

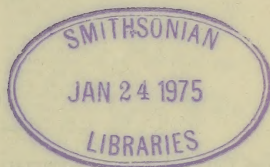
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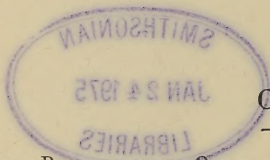
THE UNITED STATES PATENT OFFICE



1946



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LIST OF PLANT PATENTEES FOR THE YEAR 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Disclaimers follow in separate indexes, but precede the List of Plant Inventions

- Allen Property Custodian: See—
Kluis, John H. and A.
- Armstrong Nurseries, Inc., assignee: See—
Lammerts, Walter E.
Reeves, William H.
Swin, Herbert C.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. J. Rose plant. 672; Apr. 2.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. J. Rose plant. 673; Apr. 2.
- Bohannon, Helen R., Berkeley, assignor to Paul J. Howard Company and Paul J. Howard's California Flowerland, Los Angeles, Calif. Geranium plant. 683; Apr. 30.
- Bohannon, Helen R., Berkeley, assignor to Paul J. Howard Company and Paul J. Howard's California Flowerland, Los Angeles, Calif. Geranium plant. 684; Apr. 30.
- Bohannon, Helen R., Berkeley, assignor to Paul J. Howard Company and Paul J. Howard's California Flowerland, Los Angeles, Calif. Geranium plant. 685; Apr. 30.
- Bohannon, Helen R., Berkeley, assignor to Paul J. Howard Company and Paul J. Howard's California Flowerland, Los Angeles, Calif. Geranium plant. 686; Apr. 30.
- Bristol Nurseries, Inc., assignee: See—
Cumming, Alexander.
- Brown, Percy, Jr., assignor to Percy Brown Nursery, Gibraltar, Pa. Barberry plant. 690; May 21.
- Brown, Percy, Nursery, assignee: See—
Brown, Percy, Jr.
- Brownell, Josephine D., Little Compton, R. I. Rose plant. 696; June 11.
- Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 694; June 11.
- Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 715; Nov. 12.
- Chenoweth, Arthur R., San Diego County, Calif. Avocado tree. 667; Jan. 15.
- Cumming, Alexander, assignor to Bristol Nurseries, Inc., Bristol, Conn. Chrysanthemum plant. 689; May 14.
- Cumming, Alexander, assignor to Bristol Nurseries, Inc., Bristol, Conn. Chrysanthemum plant. 718; Dec. 10.
- De Groot, Constant, Sheridan, Ontario, Canada, assignor to Jackson & Perkins Company, Newark, N. Y. Barberry plant. 708; July 2.
- Domoto, Toichi, Hayward, Calif. Flowering quince plant. 700; June 25.
- Domoto, Toichi, Hayward, Calif. Flowering quince plant. 701; June 25.
- Dunn, C. J., assignee: See—
Prushek, Emil.
- Etter, Albert F., Ettersburg, assignor to G. C. Roeding, Jr., Niles, Calif. Apple tree. 699; June 18.
- Etter, Albert F., Ettersburg, assignor to G. C. Roeding, Jr., Niles, Calif. Apple tree. 710; Sept. 17.
- Futerman, Charles, Albertson, N. Y. Hybrid tea rose plant. 668; Jan. 15.
- Germain Seed and Plant Company, assignee: See—
Morris, Theodore J.
- Hill, E. G. Company, The, assignee: See—
Jelly, Robert G.
- Hill, Joseph H., Company, assignee: See—
Byrum, Roy L.
- Howard, Frederick H., assignor to Howard & Smith, Montebello, Calif. Rose plant. 702; July 2.
- Howard, Frederick H., assignor to Howard & Smith, Montebello, Calif. Plum tree. 721; Dec. 31.
- Howard, Paul J., Company, assignee, et al.: See—
Bohannon, Helen R.
- Howard & Smith, assignee: See—
Howard, Frederick H.
- Howard's, Paul J., California Flowerland, assignee, et al.: See—
Bohannon, Helen R.
- Jackson & Perkins Company, assignee: See—
Boerner, Eugene S.
De Groot, Constant.
Johnston, Walter I.
Rourke, Frank.
- Jelly, Robert G., assignor to The E. G. Hill Company, Richmond, Ind. Rose plant. 695; June 11.
- Johnston, Walter I., Portadown, Ireland, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 680; Apr. 16.
- Kellogg, R. M., Company, The, assignee: See—
Prushek, Emil.
- Kluis, Anthony: See—
Kluis, Johan H. and A.
- Kluis, Johan H. and A., Boskoop, Netherlands; vested in the Allen Property Custodian. Rose plant. 707; July 9.
- Krider Nurseries, Inc., assignee: See—
Watkins, Archibald F.
- Lammerts, Walter E., West Los Angeles, assignor to Armstrong Nurseries, Inc., San Bernardino, Calif. Rose plant. 676; Apr. 9.
- Lammerts, Walter E., West Los Angeles, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 677; Apr. 9.
- Lammerts, Walter E., West Los Angeles, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 678; Apr. 9.
- Lammerts, Walter E., West Los Angeles, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 704; July 2.
- Lammerts, Walter E., La Canada, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 716; Dec. 10.
- Leach, Benjamin R., Cinnaminson, N. J. Azalea plant. 675; Apr. 9.
- Leach, Benjamin R., Cinnaminson, N. J. Azalea plant. 681; Apr. 16.
- Morris, Theodore J., Van Nuys, assignor to Germain Seed and Plant Company, Los Angeles, Calif. Rose plant. 697; June 18.
- Nicholson, John W., Ash Grove, assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Peach tree. 670; Jan. 15.
- Owen, Marquis Aubrey, Gay, Ga. Grapevine. 692; May 28.
- Patten & Company, assignee: See—
Sim, William.
- Prushek, Emil, Berrien Springs, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Chrysanthemum plant. 711; Oct. 1.
- Prushek, Emil, Berrien Springs, assignor to C. J. Dunn, Benton Harbor, Mich. Chrysanthemum plant. 714; Oct. 29.
- Reeves, William H., Burbank, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Apricot tree. 693; June 4.
- Roberts, Stanley B., Madison, N. J. Rose plant. 682; Apr. 16.
- Roberts, William L., Grandview, Wash., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Apricot tree. 674; Apr. 2.
- Roeding, George C. Jr., assignee: See—
Etter, Albert F.
- Rourke, Frank, Westfield, Mass., assignor to Jackson & Perkins Company, Newark, N. Y. Viola plant. 671; Jan. 15.
- Schell, Frank A., Cashmere, Wash., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Apple tree. 720; Dec. 24.
- Schmidt, Paul J., Youngstown, assignor to The Wayside Gardens Company, Mentor, Ohio. Buddieia plant. 705; July 2.
- Schmidt, Paul J., Youngstown, assignor to The Wayside Gardens Company, Mentor, Ohio. Buddieia plant. 706; July 2.
- Sill, Benjamin W., Atlanta, Ga. Anemone-flowered echinacea plant. 679; Apr. 9.
- Sim, William R., administrator: See—
Sim, William.
- Sim, William, deceased, by W. R. Sim, administrator, North Berwick, Maine, assignor to Patten & Company, Tewksbury, Mass. Carnation plant. 669; Jan. 15.
- Slocum, Perry D., Cortland County, N. Y. Water-lily plant. 666; Jan. 15.
- Sodano, Alfonso C., Bucks County, Pa. Rose plant. 688; May 14.
- Stark Bro's Nurseries and Orchards Company, assignee: See—
Nicholson, John W.
Roberts, William L.
Schell, Frank A.

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| <p>Swim, Herbert C., assignor to Armstrong Nurseries, Inc.,
Ontario, Calif. Hibiscus plant. 698; June 18.</p> <p>Swim, Herbert C., assignor to Armstrong Nurseries, Inc.,
Ontario, Calif. Rose plant. 709; Aug. 20.</p> <p>Swim, Herbert C., assignor to Armstrong Nurseries, Inc.,
Ontario, Calif. Rose plant. 712; Oct. 8.</p> <p>Swim, Herbert C., assignor to Armstrong Nurseries, Inc.,
Ontario, Calif. Rose plant. 713; Oct. 22.</p> <p>Swim, Herbert C., assignor to Armstrong Nurseries, Inc.,
Ontario, Calif. Rose plant. 717; Dec. 10.</p> <p>Swim, Herbert C., assignor to Armstrong Nurseries, Inc.,
Ontario, Calif. Rose plant. 719; Dec. 24.</p> | <p>Van Bourgondien, Cornelius J., Babylon, N. Y., assignor
to R. Wilson, Carlsbad, Calif. Freesia plant. 691;
May 21.</p> <p>Watkins, Archibald F., Tyler, Tex., assignor to Krider
Nurseries, Inc., Middlebury, Ind. Rose plant. 687;
Apr. 30.</p> <p>Wayside Gardens Company, The, assignee: <i>See—</i>
Schmidt, Paul J.</p> <p>Wilson, Raymond, assignee: <i>See—</i>
Van Bourgondien, Cornelius J.</p> <p>Wurzlowl, Frank, Sr., Houma, La. Lily plant. 708; July
16.</p> |
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- A-B. Aerotransport, assignee: *See*—
Hoffström, Bo N.
- ACP-Brill Motors Company, assignee: *See*—
Flogaus, Howard A.
- Scott, Louis P.
- Aaberg, Quentin J., Angleton, Tex. Grain carrier. 2,405,727; Aug. 13.
- Aalberg, Peder M., Tacoma, Wash. Clamp. 2,395,607; Feb. 26.
- Aaron, Emanuel, New York, N. Y. Toothbrush. 2,411,610; Nov. 26.
- Aaron, Harry, New York, N. Y., assignor to H. E. Page, Alhambra, Calif. Dry shaver. 2,401,292; June 4.
- Asaland, John L., Moline, Ill., assignor to International Harvester Company. Husking rolls. 2,413,279; Dec. 31.
- Abadie, Jean B. J. M., Puteaux, France; vested in the Allen Property Custodian. Luminescent lamp with turbulent discharge. 2,411,510; Nov. 26.
- Abbiati, Furio A.; *See*—
Healy, John J., Jr., Taylor, and Abbiati.
- Abbink-Spauk, Johann H.; *See*—
Roberts, Frank H., and Abbink-Spauk.
- Abbink-Spauk, Johann H., Jessmond, Newcastle-on-Tyne 2, and A. Spencer, Benwell, Newcastle-on-Tyne 5, assignors to Vickers-Armstrongs Limited, London, England. Hydraulic dashpot retarding device. 2,403,321; July 2.
- Abbott, Boyd R., Norristown, assignor to Armstrong Cork Company, Lancaster, Pa. Machine drive. 2,404,156; July 16.
- Abbott, Charles W., Larchmont, N. Y. Heating apparatus. 2,398,398; Apr. 16.
- Abbott, Claude H., Astoria, Oreg. Can-feeding means. 2,399,087; Apr. 23.
- Abbott, Edward J., W. L. Perry, and J. E. Ring, assignors to Abbott Machine Company, Wilton, N. H. Winding machine. 2,395,028; Feb. 19.
- Abbott, Gail C., assignor to Grip Nut Company, South Whitley, Ind. Article rejecting mechanism. 2,410,037; Oct. 29.
- Abbott, Henry H., Yonkers, and H. M. Bascom, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,400,061; May 14.
- Abbott Laboratories, assignee: *See*—
Fields, Mack R.
- Frost, Douglas Y.
- Abbott Machine Company, assignee: *See*—
Abbott, Edward J., Perry, and Ring.
- Abbott, William G., Jr., Milford, N. H. Production of silvers of artificial fibers. 2,399,191; Apr. 30.
- Abel, Franklin W., Franklin, Ind. Precast unit pavement, etc. 2,396,808; Mar. 19.
- Abel, Franklin W., Franklin, Ind. Pavement slab connecting means. 2,408,133; Sept. 24.
- Abel, Louis H., East Cleveland, assignor to The Locomotive Hollow Arch Co., Cleveland, Ohio. Combustion apparatus. 2,398,911; Apr. 23.
- Abel, Walter L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Ordnance data correcting apparatus. 2,411,511; Nov. 26.
- Abell, Henry C., Interlaken, N. J. Oil seal. 2,404,610; July 23.
- Aber, Ernest F., Racine, Wis. Apparatus for manufacturing toothed elements. 2,393,727; Jan. 29.
- Aberbach, Irving, New York, N. Y. Treating finger. 2,413,537; Dec. 31.
- Abernathy, David W., assignor to Products Development, Inc., Chicago, Ill. Thermostatic element. Re. 22,754; May 14.
- Abernethy, Vardy M., Forest City, N. C. Support. 2,408,719; Oct. 8.
- Ahorn, Robert H., Short Hills, N. J., assignor to United States Steel Corporation of Delaware. Treating inherently precipitation-hardenable chromium-nickel stainless steel. 2,395,608; Feb. 26.
- Aboos, Ralph L.; *See*—
Stoody, Shelley M., and Aboos.
- Abraham, Leonard G., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier communication system. 2,407,238; Sept. 10.
- Abrahamsen, Arne C., Brooklyn, N. Y. Wire rope twister. 2,412,793; Dec. 17.
- Abrahamsen, Edmund, Baldwin, N. Y. Skating costume. 2,412,241; Dec. 10.
- Abrahamsen, Robert, Baldwin, N. Y. Rheostat. 2,398,912; Apr. 23.
- Abrams, Armand J., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Temperature control in regeneration of contact masses. 2,399,532; Apr. 30.
- Abrams, Armand J., and C. S. Kuhn, Jr., Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation process. 2,392,962; Jan. 15.
- Abrams, Cecil P., Anoka, Minn. Apparatus for inspecting manufactured articles. 2,405,483; Aug. 6.
- Abrams, Edith, assignee, et al.: *See*—
Bassitt, Rudolph.
- Abrams, Victor K., Rockford, Ill. Air cleaner. 2,393,303; Jan. 22.
- Abrams, Victor R., Detroit, Mich. Filler cap and relief vent. 2,396,233; Mar. 12.
- Abrams, Victor R., and W. W. Kennedy; said Kennedy assignor to Barber-Colman Company, Rockford, Ill. Bulletproof grid. 2,392,215; Jan. 1.
- Abramson, Abraham, New York, assignor to Raylite Electric Corp., Long Island City, N. Y. Decorative illuminated device. 2,412,279; Dec. 10.
- Abramson, John H., and E. C. Swanson, assignors to Greenlee Bros. & Co., Rockford, Ill. Conduit bender. 2,405,931; Aug. 20.
- Abrasive Products, Inc., assignee: *See*—
Hackett, Robert W.
- Abson, Gene; *See*—
Burgess, Lathan M., and Abson.
- Acco Products, Inc., assignee: *See*—
Kern, Emil.
- Ace Storm Window Company, assignee: *See*—
Krantz, Walter M.
- Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,392,716; Jan. 8.
- Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,406,733; Sept. 3.
- Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,409,008; Oct. 8.
- Ackema, Harold M., assignor of one-half to F. L. Cozad, Ontario, Oreg. Fluid brake. 2,413,162; Dec. 24.
- Ackley, Robert A.; *See*—
Yellott, John I., Ackley, and Rosenberger.
- Acme Air Appliance Co., Inc., assignee: *See*—
Schmid, Paul, and Hyton.
- Acme Coppermining & Machine Company, assignee: *See*—
Placek, Adolph.
- Acme Industrial Company, assignee: *See*—
Pardee, Harvey S.
- Acme Steel Company, assignee: *See*—
Schroeder, William.
- Spiller, William K., and Niederhauser.
- Wilson, Allen B.
- Acme Visible Records, Inc., assignee: *See*—
Zuber, Clarence F.
- Acrotorque Company, The, assignee: *See*—
Orshansky, Elias, Jr.
- Actiengselschaft Brown, Boveri & Cie, assignee: *See*—
Waldvogel, Paul.
- Acton, Frank J.; *See*—
Portman, Lawrence B., Portman, and Acton.
- Acton, Russell D.; *See*—
Rechnan, William O., Land, and Acton.
- Messenger, Robert P., and Acton.
- Acton, Russell D., Chicago, Ill., assignor to International Harvester Company. Clutch structure for crawler tractors. 2,403,322; July 2.
- Acton, Russell D., Chicago, Ill., assignor to International Harvester Company. Control means for tractor-connected implements. 2,410,918; Nov. 12.
- Acton, Russell D., and A. Krieg, Chicago, Ill., assignors to International Harvester Company. Thrust collar construction. 2,397,905; Apr. 9.
- Adair, Leonard A., assignor to Light Control, Inc., Austin, Tex. Photosensitive tube. 2,392,895; Jan. 15.
- Adam, Folger, Joliet, Ill. Doors, especially for cells, gratings and the like. 2,393,276; Jan. 22.
- Adam, Frank, Electric Company, assignee: *See*—
Stieglitz, Henry M.
- Adams, Arben H., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Emergency valve. 2,399,843; May 7.
- Adams, Arben H., and T. S. Tucker, North Hollywood, Calif., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Hydraulic system. 2,409,175; Oct. 15.
- Adams, Charles A., Davenport, Iowa. Electric switch. 2,408,157; Sept. 24.
- Adams, Charles R., and C. B. Clark, assignors to Kingsbury Machine Tool Corporation, Keene, N. H. Chuck assembly. 2,405,772; Aug. 13.
- Adams, Chester E.; *See*—
Kelso, Charles D., and Adams.
- Adams, Chester E., Highland, Ind., assignor to Standard Oil Company, Chicago, Ill. Preparation of polycyclic aromatic compounds. 2,399,716; May 7.
- Adams, Chester E., Highland, Ind., assignor to Standard Oil Company, Chicago, Ill. Polyamine resins and preparing the same. 2,411,141; Nov. 19.

- Adams, Clark A., Limona, Fla., assignor to Tennessee Corporation, New York, N. Y. Machine for filling valve bags. 2,412,026; Dec. 3.
- Adams, Company, The, assignee: *See*—Spensley, William J.
- Adams, Frederick W., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treatment of glass surfaces. 2,401,537; June 4.
- Adams, George M., Erie, Pa., assignor to General Electric Company. Electric motor control system. 2,393,621; Jan. 29.
- Adams, George M., and J. C. Aydelott, Erie, Pa., assignors to General Electric Company. Electric control system. 2,393,620; Jan. 29.
- Adams, George M., Erie, and H. G. Moore, Westerville, Pa., assignors to General Electric Company. Electric control system. 2,393,622; Jan. 29.
- Adams, Hal McC., Lexington, assignor to Burlington Mills Corporation, Greensboro, N. C. Device for oiling films. 2,409,523; Oct. 15.
- Adams, Harold A., Bakersfield, Calif. Pump. 2,400,676; May 21.
- Adams, Harold W.: *See*—Burton, Edward F., Wheelon, and Adams.
- Adams, J. D., Manufacturing Company, assignee: *See*—Lewis, Harold L.
- Adams, John W., Small, Everett T.
- Adams, John V.: *See*—Haines, Ray E., and Adams.
- Adams, Leon M.: *See*—Gerhart, Howard L., and Adams.
- Adams, Merrill L.: *See*—Hearne, George W., Adams, and Buls.
- Adams, Oscar H., assignor to J. Bierman, Keokuk, Iowa. Wrench. 2,397,770; Apr. 2.
- Adams, Pierrepont, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanamines. 2,397,368; Mar. 26.
- Adams, Pierrepont, Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of acyl biurets. 2,401,599; June 4.
- Adams, Ray W., Cashmere, Wash. Mold for cementitious anchor blocks. 2,391,856; Jan. 1.
- Adams, Richard C., Cleveland Heights, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Coating applying device. 2,411,842; Dec. 3.
- Adams, Robert A., Brawley, Calif. Mechanical flash lamp. 2,403,702; July 9.
- Adams, Robert E., Vancouver, Wash., assignor to G. H. Buckler, Portland, Oreg. Portable spot welder. 2,402,004; June 11.
- Adams, Soren S., Asbury Park, N. J. Trick pencil. 2,396,405; Mar. 12.
- Addison, Harry W., Marshall, Minn. Control valve. 2,396,809; Mar. 19.
- Addressograph-Multigraph Corporation, assignee: *See*—Curtis, Franklin E.
- Gollwitzer, Walter T.
- Hampton, William J.
- Hueber, Carl J.
- Hueber, Carl J., and Stark, Janke, Edward J.
- Van Dusen, Charles H., Jr.
- Adel Precision Products Corp., assignee: *See*—Bertea, Alex.
- Blake, Joseph R.
- Brant, Walter R., and Chapman.
- Brose, Leonard C.
- Chunn, Charles J.
- Ezzert, Ronald E.
- Fillinwood, Herman R.
- Hunter, Frank B., and Arnold.
- Kehle, Oltmar A.
- Kelly, John W.
- Le Vesconte, Harold J.
- Lund, Charles.
- Morehouse, Eugene M.
- Plumb, George W.
- Reisner, Joseph H.
- Robertson, Archibald.
- Schmidt, Benjamin F.
- Strid, Carl J.
- Van Der Werf, Jacob B.
- Webb, Harold E.
- Wisegarver, Orton H.
- Adelman, Arthur, Chebaning, Mich. Propellant charge holder. 2,412,593; Dec. 17.
- Adelson, David E.: *See*—Evans, Theodore W., and Adelson.
- Hatch, Lewis F., Adelson and Blackburn.
- Adelson, David E., Berkeley, Calif., R. P. Ruh, Columbus, Ohio, and H. F. Gray, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Catalytic polymerization of unsaturated esters. 2,402,481; June 18.
- Adelson, David E., Berkeley, Calif., R. P. Ruh, Columbus, Ohio, and H. F. Gray, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Catalytic polymerization of unsaturated esters. 2,402,482; June 18.
- Adelson, David E., Berkeley, Calif., R. P. Ruh, Columbus, Ohio, and H. F. Gray, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Catalytic polymerization of unsaturated esters. 2,402,483; June 18.
- Adelson, David E., Berkeley, Calif., R. P. Ruh, Columbus, Ohio, and H. F. Gray, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Catalytic polymerization of unsaturated esters. 2,402,484; June 18.
- Adelson, David E., Berkeley, Calif., R. P. Ruh, Columbus, Ohio, and H. F. Gray, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Catalytic polymerization of unsaturated esters. 2,402,485; June 18.
- Adelson, David E., Berkeley, Calif., R. P. Ruh, Columbus, Ohio, and H. F. Gray, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Catalytic polymerization of unsaturated esters. 2,402,486; June 18.
- Adelson, David E., Berkeley, and H. Dannenberg, assignors to Shell Development Company, San Francisco, Calif. Stabilization of resins resulting from polymerization of an isopropenyl ketone. 2,407,051; Sept. 3.
- Adelsperger, Dayton G., Bettsville, Ohio. Awning. 2,394,736; Feb. 12.
- Adlake Company, The, assignee: *See*—Larson, Carl H.
- Verhagen, Christian M.
- Adam, Thomas N.: *See*—Hilmer, Milton, Signarovitz, and Adam.
- Adler, Ida K.: *See*—Anderson, Frohman.
- Adler, Leon, St. Louis, Mo. Spotting paste. 2,396,667; Mar. 19.
- Admiral Corporation, assignee: *See*—Pfaff, Ernest R.
- Adney, Adrian P., assignor to American-Marsh Pumps, Inc., Battle Creek, Mich. Fluid actuated clutch. 2,404,822; July 30.
- Adolph, Norman W., Grafton, Ill., assignor to Illinois Powder Manufacturing Company, St. Louis, Mo. Coupling. 2,403,839; July 9.
- Adorjan, Paul, Kingston Hill, and R. P. Gabriel, Chobham, assignors to Redifusion Limited, London, England. Radio direction finding and indicating apparatus. 2,396,141; Mar. 5.
- Adreon, Carroll E.: *See*—Newcomer, Jacob R., Jr., and Adreon.
- Adreon, Carroll E., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Tube bending tool. 2,403,323; July 2.
- Adrias, Venancio, II, Chevy Chase, Md., assignor of one-half to O. L. Williams, Jr., Washington, D. C. Fid. 2,394,884; Feb. 12.
- Advance Solvents & Chemical Corporation, assignee: *See*—Mack, Gerry P.
- Mack, Gerry P., and Klebsattel.
- Aelony, David, Dayton, Ohio, assignor to Monsanto Chemical Company. Treatment of textiles. 2,398,272; Apr. 9.
- Aelony, David, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Surface-active agents. 2,403,038; July 2.
- Aelony, David, Dayton, Ohio, assignor to Monsanto Chemical Company. Polishing wax compositions. 2,404,896; July 30.
- Aeppli, Albert, assignor to Maag-Zahurader und Maschinen Aktiengesellschaft, Zurich, Switzerland. Rolling motion generating gearing for grinding machines and testing apparatus for bevel wheels. 2,401,810; June 11.
- Aerial Products, Inc., assignee: *See*—Anzalone, Ralph.
- Aero Engineering Corporation, assignee: *See*—Briner, Emil A.
- Aero Engines Limited, assignee: *See*—Halliday, George F.
- Aero Supply Mfg. Co. Inc., assignee: *See*—Downey, George T.
- Suska, Charles E., and Downey.
- Aeroli Products Company, assignee: *See*—Kittel, George P., and Wollner.
- Aerojet Engineering Corporation, assignee: *See*—Large, Charles B., Zucrow, and Hirsch.
- Malina, Frank J., and Mills.
- Morgan, Harry W.
- Pridonoff, Eric L., and Schneider.
- Smith, Apollo M. O.
- Summerfield, Martin.
- Summerfield, Martin, and Young.
- Walker, Kenneth J., and Hawk.
- Young, David A., and Summerfield.
- Aeronautical & Mechanical Investments Limited, assignee: *See*—
- Arnot, Alfred.
- Conway, Hugh G.
- Hadekel, Ruben G.
- Aerostrom Pneumatic Conveyers, Inc., assignee: *See*—Zimmerman, Carl F.
- Aerovox Corporation, assignee: *See*—Coggins, George F.
- Aero Zipp Fasteners Limited, assignee: *See*—Meitner, Bela.

- Aeschlimann, John A., Montclair, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Di-Tocopherolester. 2,393,134; Jan. 15.
- Aetna Ball Bearing Manufacturing Company, assignee: *See*—
- Rozner, Joseph J.
- Affleck, David C., Hammond, Ind., assignor to Carnegie-Illinois Steel Corporation. Heat exchanger. 2,412,552; Dec. 17.
- Affleck, Theodore H., North Hollywood, assignor, by mesne assignments, to W. A. Cooke, Hollywood, Calif. Air brake. 2,411,406; Nov. 19.
- Agamite, Edward, Jr., assignor to Fort Howard Paper Company, Green Bay, Wis. Toilet roll dispenser. 2,410,828; Oct. 29.
- Aga-Baltic Aktiebolag, assignee: *See*—
- Alexandersson, Harald V.
- Aga-Baltic Radio Aktiebolag, assignee: *See*—
- Alexandersson, Harold V., and Granqvist.
- Agens, Maynard C., and B. W. Nordlander, Schenectady, N. Y., assignors to General Electric Company. Decarboxylated half esters of hydroxylated fatty oils and alpha unsaturated polycarboxylic acids. 2,404,204; July 16.
- Agins, George: *See*—
- Davis, Arthur P., and Agins.
- Agins, George, assignor to Arma Engineering Co., Inc., Brooklyn, N. Y. Electrical position control system. 2,409,970; Oct. 22.
- Agnew, Edward J.: *See*—
- Light, George G., Agnew, and Janson.
- Agnew, Norman F., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,393,135; Jan. 15.
- Agnew, Norman F., and W. P. Place, Penn Township, Allegheny County, Pa. Dimension measurement. 2,393,305; Apr. 30.
- Agnew, William B. R., Dayton, Ohio. Testing the seals of crystal holders. 2,412,192; Dec. 10.
- Agnew, William Y., Little Silver, N. J., assignor to National Lead Company, New York, N. Y. Utilizing iron chloride liquors. 2,393,582; Jan. 29.
- Agricola, Frederick T., Gadsden, Ala., assignor to Agricola Furnace Company. Furnace. 2,400,900; May 28.
- Agricola, Frederick T., Gadsden, Ala., and H. H. Flier, Quincy, Ill.; said Agricola assignor to Agricola Furnace Company. Heating stove. 2,400,901; May 28.
- Agricola Furnace Company, assignee: *See*—
- Agricola, Frederick T.
- Agricola, Frederick T., and Flier.
- Agriculture, of the United States of America, Claude R. Wickard, and his successors in office, Secretary of, assignee: *See*—
- Bowen, Charles V., and Smith.
- Butz, Lewis W.
- Eskeu, Roderick K., and Edwards.
- Evans, Cyril D., and Manley.
- Woodward, Charles F., Eisner, and Haines.
- Agriculture, United States of America, and his successors in office, as represented by the Secretary of, assignee: *See*—
- Woodward, Charles F., Talley, Mayer, and Beinhart.
- Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
- Bowen, Charles V.
- Brother, George H., and Binkley.
- Butz, Lewis W.
- Coe, Mayne R., Jr., and M. R.
- Cupples, Homer L.
- Filachione, Edward M.
- Filachione, Edward M., and Fisher.
- Ford, Percy E.
- Gertler, Samuel I.
- Gertler, Samuel I., and Haller.
- Goldthwait, Charles F.
- Goodhue, Lyle D.
- Hamilton, Robert M., and Nichols.
- Hennemeter, George T.
- Hoover, Samuel R., Allen, and Naghsli.
- Husman, Chester N., and Longcov.
- Irring, George W., Jr., Merrifield, Burnett, and Parker.
- Jones, Howard A., and Travis.
- Jones, William R., and H. A.
- Lawrence, Ray V.
- Leviton, Abraham.
- Murray, Charles W.
- Nichols, Peter L., Jr., and Hamilton.
- Nichols, Peter L., Jr., Meiss, and Yanovsky.
- Noel, William A.
- Nudenberg, Walter.
- Ratchford, William P., and Fisher.
- Reeves, Richard E., and Giddens.
- Rehberg, Chessie E.
- Rehberg, Chessie E., and Fisher.
- Schreiber, Walter T.
- Schroeder, Herman O., and Lindquist.
- Stamberger, Paul, Eskew, and Hanslick.
- Swern, Daniel.
- Treadway, Robert H.
- Wachtel, Jacques L.
- Wall, Monroe E., and Kelley.
- Wells, Percy A., and Swern.
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- Agruss, Meyer S.: *See*—
- Frankel, Milton, and Agruss.
- Agthe, Frederick T., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Air swept ball mill system. 2,398,989; Apr. 23.
- Aguslaro, Joseph J., assignee, et al.: *See*—
- Tarapczynski, Sigmund.
- Agular, Clovis D., Juiz de Fora, Brazil. Nozzle for duodenal pump tubes. 2,393,728; Jan. 29.
- Agule, George J., Stamford, assignor to Machlett Laboratories Incorporated, Springfield, Conn. Beryllium brazing. 2,408,310; Aug. 27.
- Ahalt, Frank W., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Bonding structures. 2,404,157; July 16.
- Ahern, William B., De Kalb, assignor to The Rudolph Wuritzer Company, Chicago, Ill. Apparatus for forming materials. 2,410,857; Nov. 12.
- Ahlberg, Curt Fredrik, Appelvik, and S. Å. Nilsson, Nockeby, assignors to Telefonaktiebolaget L. M. Ericson, Stockholm, Sweden. Alarm installation with central power supply. 2,397,906; Apr. 9.
- Ahlberg, Jacob E.: *See*—
- Thomas, Charles L., and Ahlberg.
- Ahles, Carl C., Albany, N. Y. Ballast block. 2,409,094; Oct. 8.
- Ahlfors, Sten E. E., Hedemora, Sweden. Straining fibrous suspension. 2,409,524; Oct. 15.
- Ahlgren, Erick L., Houston, Tex. Firing mechanism for well shooting guns. 2,396,768; Mar. 19.
- Ahrens, Robert S., and W. A. Ellsworth, assignors to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator shelf. 2,403,164; July 2.
- Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Meat tendering machine. 2,408,747; Oct. 8.
- Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Food tendering machine. 2,409,463; Oct. 15.
- Aiken, Charles B., North Plainfield, N. J., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Method and apparatus for simultaneous determination of various properties of the subsol. 2,398,761; Apr. 23.
- Aiken, Charles B., North Plainfield, N. J., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Compensating means for electrical borehole apparatus. 2,411,843; Dec. 3.
- Aiken, Thomas M., Pittsburgh, Pa. Combined lens support and lens hood for folding cameras. 2,408,184; Sept. 24.
- Aiken, Thomas McG., Pittsburgh, Pa. Photographic film holder. 2,410,919; Nov. 12.
- Ainley, Arthur D., and W. H. Davies, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Insecticidal and fungicidal compositions. 2,398,440; Feb. 26.
- Air Control Products, Inc., assignee: *See*—
- Leigh, Robert L.
- Aircraft Marine Products, Inc., assignee: *See*—
- Buchanan, Stephen N.
- Carlson, Vernon E.
- Carlson, Vernon E., and Freedom.
- Macy, James C.
- Swengel, Robert C.
- Watts, William S.
- Aircraft Screw Products Company, Inc., assignee: *See*—
- Cram, Harkness W.
- Eckener, Erwin.
- Geertsema, Kenneth B.
- Haas, Otto.
- Nigro, Henry.
- Aircraft Tools, Inc., assignee: *See*—
- Miller, Wade E.
- Air Devices, Inc., assignee: *See*—
- O'Day, Courland R.
- Air-Equipment, assignee: *See*—
- Garnier, Georges.
- Air-Maze Corporation, assignee: *See*—
- Schaaf, Oliver H.
- Air Reheater Corporation, The, assignee: *See*—
- Cooper, Roland S., and Holm.
- Air Reduction Company, Incorporated, assignee: *See*—
- Anderson, James L.
- Balcar, Frederick R.
- Blass, Conrad D. K.
- Crowe, John J.
- Cushman, Everett H.
- Deming, George M.
- Dennis, Wolcott.
- Franzen, James F.
- Hamilton, James K.
- Hughes, Howard G.
- Klinke, Henry O.
- Smith, Donald L.
- Smith, Oris J.
- Tyrner, Joseph M.
- Van Nuys, Claude C.
- Walker, George L.
- Yoch, August H.
- Air-Shields, Incorporated, assignee: *See*—
- Grieb, Benjamin C.

- Air-Track Manufacturing Corporation, assignee: *See*—Olson, David C.
- Air-Way Electric Appliance Corporation, assignee: *See*—Lindberg, Carl A.
- Nuffer, Joseph H., and Latta.
- Always Lighting Corporation, assignee: *See*—Lamb, Clyde K.
- Altchison, Robert B., Crasmer, N. Y., assignor to The Linde Air Products Company. Flux-forming fuel and thermally working minerals therewith. 2,392,353; Jan. 8.
- Altchison, Robert B., Staten Island, N. Y., assignor to The Linde Air Products Company. Blowpipe for piercing metal bodies. 2,407,972; Sept. 24.
- Aitken, William J., Manitowoc, Wis. Snap action switch. 2,413,130; Dec. 24.
- Ajax Industrial Supplies, Inc., assignee: *See*—Smeyers, John I.
- Akerman, John D., Minneapolis, Minn. Pressure-applying aviator's suit with helmet. 2,404,020; July 16.
- Akers, Richard L.: *See*—Le Tourneau, Robert G., and Akers.
- Akers, Richard L., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Power steering mechanism for vehicles. 2,400,218; May 14.
- Akers, Richard L., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Steering differential. 2,400,728; May 21.
- Akers, Richard L., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Coupling and steering unit. 2,408,359; Oct. 1.
- Akers, Richard L., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Draft coupling and power steering unit. 2,408,360; Oct. 1.
- Akers, Stanley R., Detroit, Mich. Removable portability features for army field safes. 2,401,599; June 4.
- Akesson, Swan M., and W. L. Stockham, Long Beach, assignors to Nobs Chemical Company, Los Angeles, Calif. Well screen. 2,401,035; May 28.
- Akin, Richard K., Chicago, Ill. Electric circuit controller. 2,397,907; Apr. 2.
- Aktiebolaget Elektros Maskinaffar, assignee: *See*—Lindgren, Karl O.
- Aktiebolaget Arvidsbergs Industries, assignee: *See*—Lidin, Sifrid E.
- Aktiebolaget Bolinder-Munktel, assignee: *See*—Wallgren, August G. F.
- Aktiebolaget Facit, assignee: *See*—Carlström, Bengt, Grip, and Toorell.
- Aktiebolaget Hammarbylampan, assignee: *See*—Heuberger, Josef.
- Aktiebolaget Kanthas, assignee: *See*—Rehnqvist, Nils G.
- Aktiebolaget Pharmacia, assignee: *See*—Askölop, Eric E. A., Svartz, and Willstaedt.
- Aktiebolaget Separator, assignee: *See*—Forsberg, Erik A.
- Ruda, Gustaf W.
- Aktiebolaget Superior, assignee: *See*—Höglund, Thure G., and Leijon.
- Aktiebolaget Vibro-Betong, assignee: *See*—Lindqvist, Knut Y.
- Aktiengesellschaft Adolph Saurer, assignee: *See*—Bolli, Bernhard.
- Lebet, Pierre.
- Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—Beldi, Fritz.
- Gaudenzi, Arthur, and Risch.
- Giger, Walter.
- Hartmann, Hans.
- Hubacher, Paul.
- Keller, Hans.
- Keller, Robert.
- Kobel, Ernst.
- Leyer, Albert.
- Meyerhans, August.
- Noack, Walter G.
- Seppel, Claude.
- Thommen, Hans, and Brühlmann.
- Van Rijswijk, Willem.
- Zweifel, Otto.
- Aktiengesellschaft Fuer Technische Studien, assignee: *See*—Ruegg, Rudolf.
- Salzmanna, Fritz.
- Aktiengesellschaft R. & E. Huber, Schweizerische Kabel-, Draht- und Gummiwerke, assignee: *See*—Kappeler, Fritz.
- Aktiengesellschaft, T. Oertli, assignee: *See*—Geissbuehler, Ernst.
- Alabama Polytechnic Institute, assignee: *See*—Ware, Lamar M., Harris, and Johnson.
- Alban, Clarence F., Pontine, and S. R. Hood, Birmingham, assignors to W. M. Chace Company, Detroit, Mich. Thermostatic metal. 2,403,895; July 16.
- Alben, Frank L.: *See*—Brecht, Winston, and Alben.
- Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Resilient driving mechanism. 2,399,306; Apr. 30.
- Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive drive. 2,411,350; Nov. 19.
- Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive device. 2,412,863; Dec. 17.
- Albers, Gerhard H.: *See*—Albers, John R. and G. H.
- Albers, John R. and G. H., assignors to Wincharger Corporation, Sioux City, Iowa. Governor for wind driven propellers. Re. 22,726; Feb. 26.
- Albers, John R., and M. M. Lasensky, assignors to Wincharger Corporation, Sioux City, Iowa. Air circulating and temperature control device for refrigerator cars. 2,398,273; Apr. 9.
- Alberston, Victor N., Minneapolis, Minn. Centrifugal pump mechanism. 2,397,718; Apr. 2.
- Albert, Charles G., East Orange, N. J. Device for launching and retrieving boats. 2,398,274; Apr. 9.
- Albert, Harry B., assignee: *See*—Chaplin, Edwin D.
- Albertoli, John, San Francisco, Calif. Oval can feed. 2,405,805; Aug. 13.
- Alberts, Leon N., New York, N. Y. Clasp. 2,407,466; Sept. 10.
- Albertson, Noel F.: *See*—Neyens, Samuel L., Albertson, and Gillam.
- Albi Chemical Corporation, assignee: *See*—Jones, Grinnell, and Juda.
- Albiani, Lido, Cicero, Ill. Chamfering machine. 2,405,004; July 30.
- Albin, Alonzo E., Freeport, N. Y., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Seam. 2,399,973; May 7.
- Albin, Frederick G., Los Angeles, Calif., assignor to Radio Corporation of America. Electrical compressor method and system. 2,395,159; Feb. 19.
- Albin, Frederick G., Los Angeles, Calif., assignor to Radio Corporation of America. High-frequency power generator. 2,412,553; Dec. 17.
- Albin, Jeremiah W., Babylon, N. Y. Holding device. 2,400,801; May 21.
- Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Friction drive for web propelling rollers. 2,407,239; Sept. 10.
- Albrecht, Edmund C., Richmond Heights, and G. Cerny, assignors to Pauli Jail Building Company, St. Louis, Mo. Selective actuating and indicating mechanism. 2,413,131; Dec. 24.
- Albrecht, George E., Whitinsville, Mass. Spinning and twisting ring. 2,403,255; July 24.
- Albrecht, Max W., Chicago, Ill. Venetian blind. 2,409,821; Oct. 22.
- Albrecht, Otto, Neuwelt, near Basel, assignor to the Swiss firm of Society of Chemical Industry in Basle, Basel, Switzerland. Alkylated sulphamides and making same. 2,398,990; Apr. 23.
- Albrecht, Otto, Neuwelt, near Basel, C. Graenacher, Riehen, R. Sallmann, Bottmingen, and C. Rosel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Derivatives of resinous ethers of hydroxyaryl compounds. 2,405,806; Aug. 13.
- Albrece, George N., Winchester, Mass. Projectile. 2,402,718; June 25.
- Albrece, George N., Winchester, Mass. Firing mechanism for firearms. 2,407,526; Sept. 10.
- Albright, Arthur A.: *See*—Munro, Robert, and Albright.
- Albright, Ralph De L., San Diego, Calif. Soap tray. 2,399,533; Apr. 30.
- Albright, Robert B., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical apparatus. 2,410,329; Oct. 29.
- Albright & Wilson Limited, assignee: *See*—Tod, Charles W.
- Alco Valve Company, assignee: *See*—Dube, John E.
- Alcorn Combustion Company, assignee: *See*—Praeger, Frank H.
- Alcott, Frank H., Jamaica, assignor to Palisade Structures, Inc., New York, N. Y. Timber ring connector. 2,400,864; May 21.
- Alcott, Frank H., Jamaica, assignor to Palisade Structures, Inc., New York, N. Y. Timber ring connector. 2,400,865; May 21.
- Alden, Carroll R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Speed control mechanism. 2,395,707; Feb. 26.
- Alden, Carroll R., Detroit, Mich., assignor to Ex-Cell-O Corporation. Hydraulic transmission for machine tools. 2,400,729; May 21.
- Alden, Herbert W., L. R. Buckendale, and R. K. Super, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Brake mechanism. 2,399,534; May 7.
- Alden, Richard C.: *See*—Schulze, Walter A., and Alden.
- Alden Spare's Sons Co., The, assignee: *See*—Thompson, Willis F., and Spare.
- Alder, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Elastic fabric and making same. 2,396,482; Mar. 12.
- Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Elastic fabric and making same (dual elastic). 2,396,483; Mar. 12.

- Alderman, Leon D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Starting mechanism for torpedoes. 2,405,932; Aug. 20.
- Alderson, Witty L., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyethylene film-forming composition. 2,405,933; Aug. 20.
- Aldis, Arthur C. W., assignor to Aldis Brothers Limited, Sparkhill, Birmingham, England. Means for inspecting gun barrels. 2,407,598; Sept. 10.
- Aldis, Arthur C. W., and J. West, Sparkhill, assignors to Aldis Brothers Limited, Birmingham, England. Inspecting gun barrels. 2,411,076; Nov. 12.
- Aldis Brothers Limited, assignee: *See—*
- Aldis, Arthur C. W.
- Aldrich Pump Company, The, assignee: *See—*
- Hamilton, Samuel H., and Shelly.
- Alessandrini, Hugh V., New York, and B. V. Sterk, Woodside, assignors to National Lead Company, New York, N. Y. Extraction of iron from titaniferous ores. 2,406,577; Aug. 27.
- Alexander, Karl Z., Springfield, N. J. Water heater. 2,411,675; Nov. 26.
- Alexander, Don F., near Dayton, Ohio, assignor to The Sterling Varnish Company, Haysville, Pa. Varnishing armatures and the like. 2,411,180; Nov. 19.
- Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,400,329; May 14.
- Alexander, George H., Machinery, Limited, assignee: *See—*
- Perkins, John M.
- Alexander, John M., Lincoln, Nebr. Automatic liquid vendor. 2,394,523; Feb. 12.
- Alexander, John W., Arlington, Va. Support. 2,392,110; Jan. 1.
- Alexander Milburn Company, The, assignee: *See—*
- Jenkins, Alexander F.
- Alexander, Millard E., West Orange, N. J. Pipe joint. 2,398,399; Apr. 16.
- Alexander, Paul, Berkhamsted, and C. Whiley, London, England. Vacuum pump of the vapor type. 2,404,021; July 16.
- Alexander, Paul, Berkhamsted, and C. Whiley, London, England. Vapor vacuum pump of the double jet type. 2,404,022; July 16.
- Alexander, Paul, Berkhamsted, and C. Whiley, London, England. Vapor vacuum pump. 2,404,023; July 16.
- Alexander, Paul, Berkhamsted, and E. L. Cranstone, Mill Hill, London N. W., assignors to Vapeo Limited, London, England. Deposition of metals. 2,402,269; June 18.
- Alexander, Peter: *See—*
- Blott, John F. T., and Alexander.
- Alexander, Peter P.: *See—*
- Archibald, Frederick R., and Alexander.
- Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Dehydration of transformer oils. 2,399,192; Apr. 30.
- Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of metal hydrides. 2,401,323; June 4.
- Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of lithium hydride. 2,408,748; Oct. 8.
- Alexander, William R.: *See—*
- Deal, Harmon B., Alexander, and Rankin.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,401,450; June 4.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,412,027; Dec. 3.
- Alexanderson, Harald V., Lidings, assignor to Aga-Baltic Aktiebolag, Stockholm, Sweden. Automatic record changer for phonographs. 2,392,111; Jan. 1.
- Alexanderson, Harald V., and C.-E. Granqvist, assignors to Aga-Baltic Radio Aktiebolag, Stockholm, Sweden. Remote control. 2,395,708; Feb. 26.
- Alfandre, Harry, Jamaica, N. Y. Assembling safety pins. 2,405,934; Aug. 20.
- Al-Fin Corporation, assignee: *See—*
- Whitfield, Marshall G., and Sheshunoff.
- Alford, Andrew, New York, N. Y., assignor to Federal Telephone and Radio Corporation. Modulator circuit. 2,395,441; Feb. 26.
- Alford, Andrew, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Transmission control network. 2,405,174; Aug. 6.
- Alford, Andrew, New York, N. Y., assignor to Federal Telephone & Radio Corporation. Glide path beacon. 2,406,734; Sept. 3.
- Alford, Andrew, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Multi-signal radiating system. 2,406,735; Sept. 3.
- Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Centrifugal type compressor. 2,409,837; Oct. 22.
- Alfred Hofmann & Company, assignee: *See—*
- Hopp, Carlos A.
- Alfreds, Torris H.: *See—*
- Fields, Frank D., and Alfreds.
- Alfsen, Alf A.: *See—*
- Lowgren, Karl A. U., Alfsen, and Messing.
- Alfthan, Johannes, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Molding process. 2,400,091; May 14.
- Alfthan, Johannes, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fabricating tape. 2,406,127; Aug. 20.
- Alfthan, Johannes, and J. L. Chynoweth, New York, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fabrication of polytetrafluoroethylene articles. 2,396,629; Mar. 19.
- Alger, Blanford A., Belleville, N. J. Attachment for audio receivers. 2,408,720; Oct. 8.
- Alger, Harley C., Chicago, Ill. Etching device for rotogravure cylinders. 2,399,534; Apr. 30.
- Algin Corporation of America, assignee: *See—*
- Le Gloashec, Victor C. E.
- Allen Property Custodian: *See—*
- Abadie, Jean B. J. M.
- Anschütz, Robert, and Kämmler.
- Anxionnaz, René, and Imbert.
- Bach, Adolf.
- Barwich, Heinz.
- Baundersfeld, Walther.
- Becker, Gottfried, Daevs, and Steinberg.
- Bellomo, Nicola.
- Benzi, Helmut, and Kugel.
- Bergier, Jacques, Eskenazi, and Helbronner.
- Bonnefoy-Cudras, Emile R.
- Bouwens, Albert.
- Bretthauer, Hermann.
- Burnat, Henri L.
- Casselle, Raffaele.
- Colberg, Rolf, and Michels.
- Conradty, Ottmar.
- Cramer, Hans.
- Daur, Theodor, and Daniel.
- De Kadt, George S.
- Deserno, Peter.
- Di Giuseppe, Renato.
- Dorsman, Cornelis.
- Dreyfus, Georges.
- Eberhard, Albert.
- Een, Johannes B.
- Eulenstein, Fritz, and Krus.
- Florin, Ernst, Petersen, and Christian.
- Fluchaire, Maurice L. A.
- Friedrich, Albert.
- Fries, Gustav.
- Fuscaldo, Ottavio.
- Gál, Alessandro.
- Garnier, Claude E.
- Glaser, Alex F. G.
- Griesbeck, Hans.
- Groen, Martinus G.
- Gugareschi, Pietro.
- Guinier, Henri M.
- Hagemann, August.
- Hasegawa, Takao.
- Henrich, Winfrid, Engelbrecht, and Schirm.
- Henrich, Winfrid, and Kaiser.
- Henrich, Winfrid, and Schirm.
- Hildebrand, Paul, and Metz.
- Hintze, Rudolf.
- Hitzelberger, Erwin.
- Hoffmann, Ulrich, and Meis.
- Huehn, Werner, and Haufe.
- Hurst, Max.
- Iseki, Takeshi.
- Kajita, Toshiji, and Inoue.
- Kallusch, Camillo.
- Kche, Wolfgang.
- Kiel, Karl B. W.
- Kientz, Louis R. J.
- Kirchner, Ignatz A.
- Klinger, Emil, Knapp, and Lutz.
- König, Rezső, Gerecs, and Foldi.
- Korten, Ernst.
- Kovács, Theodor.
- Krell, Joseph.
- Kroneberger, Adam.
- Krussmann, Adolf.
- Külz, Fritz.
- Lipp, Rudolf W.
- List, Heinrich.
- Long, Bernard.
- Lorschy, Gyorgy.
- Martinotti, Pietro.
- Marzocchi, Luigi.
- Maximoff, Alessandro.
- Mennesson, Marcel L.
- Mercier, Jean.
- Mercier, Pierre E.
- Mesnel, Pierre.
- Möller, Fredrik A.
- Müller, Helmut, and Pischinger.
- Müller, Richard.
- Nallinger, Fritz, and Friedrich.
- Nettel, Friedrich.
- Nissen, Ulrich.
- Orlich, Peter, Nagel, and Hartz.
- Ostenstein, Friedrich.
- Pfeiffer, Paul.
- Posch, Oskar.

Alien Property Custodian: *See*—Continued

- Pott, August F.
 Prause, Robert.
 Rambold, Adolf.
 Reis, Eugen.
 Remus, Valentin.
 Rheinberger, Eberhard.
 Robinson, James P.
 Rodanet, Charles Hilaire Henri.
 Roelen, Otto, and Feisst.
 Rósa, Laszlo, and Zakariás.
 Sato, Takeo.
 Schmidt, Rudolf.
 Schmidt, Walter.
 Schneider, Friedrich.
 Scholler, Heinrich.
 Seppeler, Eduard.
 Shinomiya, Shigeru.
 Sobek, Paul.
 Soldan, Otto.
 Souche, Fernand C.
 Spiess, Georg.
 Springer, Berthold.
 Springer, Walter.
 Stieglitz, Albert.
 Suchy, Robert, and Messner.
 Szydlowski, Josef.
 Thinius, Kurt.
 Tominaga, Masaichi.
 Vitoux, Pierre.
 Von Borries, Bodo.
 Von den Steinen, Carl.
 Von Hagen, Kurt.
 Von Keussler, Otto.
 Waseige, Charles R.
 Weber, Reinhold.
 Werner, Karl.
 Westerkamp, Hugo.
 Weston, Herbert.
 Wiest, Georg, and Glaser.
 Wilfert, Karl, and Barenly.
 Witkiewicz, Roman.
 Wohlmeier, Josef.
 Zajotti, Adolfo, and Tellini.
 Zellbeck, Gustav, and Muller.
- Ally,** Elmer C., Charlton City, and H. A. Wilson, South Spencer, Mass. Loom. 2,399,457; Apr. 30.
Alizier, André G., Chicago, Ill., assignor to Comet Model Airplane & Supply Company Incorporated, Propeller. 2,411,143; Nov. 19.
- Alkire,** William W., Vancouver, Wash. Combined bailer and dump. 2,399,844; May 7.
- All America Cables & Radio, Inc.,** assignee: *See*—
 Rosenberger, Harold J.
- All American Aviation, Inc.,** assignee: *See*—
 Du Pont, Richard C.
 Plummer, Stuart C.
 Schultz, Arthur E.
 Schultz, Arthur B., and Burkhart.
- Allegheny Ludlum Steel Corporation,** assignee: *See*—
 Lincoln, Rush A.
 Mohling, Gunther.
 Touceda, Enrique G., and De Vries.
- Allen, A. S.,** assignee: *See*—
 Maki, John G.
- Allen, Albert,** Sharon, assignor to The Foxboro Company, Foxboro, Mass. Recording mechanism. 2,393,960; Feb. 5.
- Allen, Andrew B.,** Ochre River, Manitoba, Canada. Cultivator wheel. 2,405,630; Aug. 13.
- Allen-Bradley Company,** assignee: *See*—
 Ragatz, Eugene C.
- Allen, Charles F.,** Stamford, and D. M. Kentro, Noroton, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of ores containing cobalt and nickel. 2,399,845; May 7.
- Allen, Charles F. H.,** Rochester, N. Y., and A. Bell, Knoxville, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Sulfamyl benzotriazoles. 2,410,619; Nov. 5.
- Allen, Charles F. H.,** Rochester, N. Y., and A. Bell, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Sulfonamidobenzimidazoles. 2,410,620; Nov. 5.
- Allen, Charles S., Jr.,** Greenville, S. C. Antisweep anchorage for mines of the marine type. 2,399,307; Apr. 30.
- Allen, Dane R.,** Nashville, Tenn. Toothbrush. 2,396,548; Mar. 12.
- Allen, Earle F.,** Wellesley Hills, Mass. Self-locking set screw. 2,398,070; Apr. 9.
- Allen, Edward A.,** Westfield, assignor to Van Norman Company, Springfield, Mass. Boring head. 2,412,937; Dec. 24.
- Allen, Edward J.,** assignor to The Leeco-Neville Company, Cleveland, Ohio. Armature construction. 2,400,902; May 28.
- Allen, Edward J.,** assignor to The Leeco-Neville Company, Cleveland, Ohio. Welding tool. 2,400,903; May 28.
- Allen, Everett W.,** Birmingham, assignor to General Motors Corporation, Detroit, Mich. Door catch. 2,409,822; Oct. 22.
- Allen, Frank,** New York, N. Y. Curing artificial denture. 2,395,241; Feb. 19.
- Allen, George,** North Lake Village, assignor to Binks Manufacturing Company, Chicago, Ill. Louver post. 2,397,458; Apr. 2.
- Allen, Glenn L., Jr.,** Freeport, Tex., and R. Heitz, Antioch, and G. Henderson, Pittsburg, Calif., assignors to The Dow Chemical Company, Midland, Mich. Chlorination of saturated hydrocarbons and recovering hydrochloric acid. 2,402,978; July 2.
- Allen, Herbert, and R. N. Bean,** assignors to Cameron Iron Works, Houston, Tex. Flow wing. 2,407,050; Sept. 3.
- Allen, Howard G.,** Niagara Falls, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Filling machine. 2,394,737; Feb. 12.
- Allen, Howard G.,** Niagara Falls, and E. R. Kenison, Kenmore, assignors to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Adhesive handling device. 2,394,420; Feb. 5.
- Allen, Joseph W.,** Washington, D. C. Reverse current relay for direct current generator battery systems. 2,397,938; Apr. 9.
- Allen, Kenneth C.: See**—
 Meeker, David A., and Allen.
- Allen, Kenneth R.,** Ridgewood, N. Y., assignor to Amerlean Seal-Pack Corporation, Wilmington, Del. Hood cap. 2,396,228; Mar. 12.
- Allen, Paul E.,** Skokie, Ill. Savings bank. 2,393,729; Jan. 29.
- Allen, Paul J.: See**—
 Hoover, Samuel R., Allen, and Naghsli.
- Allen, Ralph E.,** Wichita, Kans. Mechanical caddy. 2,406,183; Aug. 20.
- Allen, Rex W.,** Palisades, assignor to Camloc Fastener Corporation, New York, N. Y. Fastener construction. 2,395,650; Feb. 26.
- Allen, Rex W.,** Palisades, assignor to Camloc Fastener Corporation, New York, N. Y. Fastener assembly. 2,396,142; Mar. 5.
- Allen, Robert C.,** Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Making welded blade structures. 2,392,281; Jan. 1.
- Allen, Robert C.,** Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine blade locking apparatus. 2,393,447; Jan. 22.
- Allen, Robert C.,** Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine system. 2,409,176; Oct. 15.
- Allen, Robert C.,** Wauwatosa, C. E. Kenney, West Allis, and W. F. Wilson, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Intercooled compressing apparatus. 2,396,484; Mar. 12.
- Allen, Robert C., and J. T. Rettaliant,** Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Jet propulsion apparatus. 2,409,177; Oct. 15.
- Allen, Robert McD.,** New York, N. Y., and F. E. Timmer, Hasbrouck Heights, N. J. Making a food product. 2,396,234; Mar. 12.
- Allen, Roy A.,** Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device. 2,400,330; May 14.
- Allen, Sheldon H.,** Gretna, La. Fishing trap and method. 2,399,193; Apr. 30.
- Allen, Thomas,** Davison, Mich. Depth control for plows. 2,406,484; Aug. 27.
- Allen, Tom G.: See**—
 Culey, Alan S., and Allen.
- Allen Wales Adding Machine Corporation,** assignee: *See*—
 Lambert, Harry L.
- Allen, William W.,** assignor to The Dow Chemical Company, Midland, Mich. Control of slime organisms. 2,400,677; May 21.
- Allenbaugh, Edward F.,** Burbank, Calif. Collapsible baby buggy. 2,410,797; Nov. 12.
- Allesander, Samuel S.,** New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,392,896; Jan. 15.
- Allen, Willis F.: See**—
 Fox, Louis F., and Aller.
- Allen, Willis F.,** assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,392,301; Jan. 8.
- Allen, Willis F.,** assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,403,896; July 16.
- Allen, Willis F.,** assignor to The Sheffield Corporation, Dayton, Ohio. Leakage gauging device. 2,403,897; July 16.
- Allen, Willis F.,** assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,412,350; Dec. 10.
- Allen, Willis F., and L. J. Mahmeister,** assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,403,898; July 16.
- Allerton, Robert W.: See**—
 Mockridge, Chester R., and Allerton.
- Alliance Manufacturing Company,** assignee: *See*—
 Schneider, Emmor V.
- Allied Chemical & Dye Corporation,** assignee: *See*—
 Anderson, Norman L.
 Bamberger, Curt.
 Clark, Charles R.
 Clark, Earl W.
 Cole, Percy J.
 Engel, Karl H.

- Allied Chemical & Dye Corporation, assignee: See—Continued
- Fleysher, Maurice H.
Flett, Lawrence H.
Flett, Lawrence H., and Toone.
Greenburg, Richard B.
Kern, Jean G.
King, Wilbert A.
King, Wilbert A., Kleiner, and Clark.
Sievenpiper, Frederic.
- Allied Control Company, Inc., assignee: See—
Gwyn, Childers E., Jr.
Horman, John H.
McPherson, Hal W.
Miller, Edward G., and Engberg.
Winstrom, Leon.
- Allied Engineering Corporation, assignee: See—
Patterson, Allen L.
- Allied Laboratories, Inc., assignee: See—
Donleavy, John J.
Faith, Herman E.
- Allied Plastics Company, assignee: See—
Crane, Walton B.
- Allied Shoe Machinery Corp., assignee: See—
Perri, Angelo.
- Alling, William M., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread inspection device. 2,412,381; Dec. 10.
- Allis-Chalmers Manufacturing Company, assignee: See—
Agthe, Frederic T.
Allen, Robert C.
Allen, Robert C., Kenney, and Wilson.
Allen, Robert C., and Rettallata.
Altorfer, Hans A.
Cook, Eugene B.
Ferguson, Keefe C.
Harrer, Paul H., and Roth.
Johnson, William C.
Kelle, Arthur C.
Maxson, Walter L., Fagnant, and Baxa.
Montgomery, Terryl B., and Weilbaecher.
Morris, Cecil H.
Ray, James L.
Scranton, Charles J.
Sraley, William C.
Sillers, Thomas A.
Singleton, Joseph L.
Stivender, Edward H.
Vogel, Paul C.
Wilson, Charles D.
- Allis, Louis, Company, The, assignee: See—
Smith, Harold L.
- Allison, Byron L., Williston Park, N. Y., and L. J. Wong, Hoboken, N. J., assignors to Sperry Gyroscope Company, Inc. Mounting means for gyroscopes. 2,409,178; Oct. 15.
- Allison Company, The, assignee: See—
Allison, Hugh V.
- Allison, Daniel B., Wauwatosa, Wis. Insulator bracket. 2,393,226; Jan. 22.
- Allison, Donald K., Beverly Hills, Calif. Fire control valve and fuel line. 2,397,518; Apr. 2.
- Allison, Donald K., Beverly Hills, Calif. Fluid meter. 2,402,585; June 25.
- Allison, Donald K., Beverly Hills, Calif. Apparatus for indicating horsepower. 2,402,719; June 25.
- Allison, Donald K., Beverly Hills, Calif. Apparatus for producing ozone. 2,404,778; July 30.
- Allison, Donald K., Beverly Hills, Calif. Ozonizing liquids. 2,405,533; Aug. 13.
- Allison, Donald K., Beverly Hills, Calif. Ozonizer. 2,405,728; Aug. 13.
- Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Press. 2,407,123; Sept. 2.
- Allison, Lord G., Tampa, Fla., assignor to W. C. Moore, doing business as Moore Equipment Company, Dayton, Ohio. Projector stand assembly. 2,395,796; Mar. 5.
- Allison, Robert W., Atlanta, Ga. Mercury switch. 2,392,829; Jan. 15.
- Almanna Svenska Elektriska Aktiebolaget, assignee: See—
Uno Lamm.
- Altools, Limited, assignee: See—
Graves, Arnold, and Tomes.
- Allyn, William N., assignee: See—
Hart, James B.
- Alm, J. T., assignee: See—
Sauter, Christian H.
- Almanna Svenska Elektriska Aktiebolaget, assignee: See—
Lamm, Uno.
- Almes, Marion C., Cuyahoga Falls, Ohio. Reflector button sign. 2,413,538; Dec. 31.
- Almgren, August E., Hillside, N. Y., assignor to American Can Company, New York, N. Y. Feeding mechanism. 2,393,961; Feb. 5.
- Almgren, August E., Hillside, N. Y., assignor to American machine. 2,406,784; Sept. 3.
- Almy, Richard, Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Platform sole for shoes. 2,405,870; Aug. 13.
- AmCln, Inc., assignee: See—
Walker, Victor.
- Alox Corporation, assignee: See—
Shields, James E.
- Alpert, Harry A., Indianapolis, Ind. Salvaging battery lead. 2,398,275; Apr. 9.
- Alose Chemical Company, assignee: See—
Kroll, Harry H.
- Alsop, Samuel, Milddale, Conn. Filter. 2,392,354; Jan. 8.
- Alsop, James H.: See—
Ellis, Delbert and Alsopach.
- Alsopach, James C., Baytown, Tex., assignor to Standard Oil Development Company. Refining of mineral oils. 2,397,077; Mar. 26.
- Alsopach, James S., Portsmouth, Ohio. Transmission. 2,401,184; Aug. 20.
- Alston, Paul W., Berkeley, and E. E. Morse, Woodland, Calif. Method and apparatus for detecting sugar. 2,408,900; Oct. 8.
- Alt, Rudolph: See—
Goldman, Paul R., and Alt.
- Altengerber, Clarence L.: See—
Selmi, Luciano G., and Altengerber.
- Alter, Harry, Company, The, assignee: See—
Caheniz, Martin T., Jr.
- Altner, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Contact conversion reaction. 2,394,651; Feb. 12.
- Altner, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon gases. 2,400,621; May 21.
- Althoff, George, Los Angeles, Calif. Device for the hydraulic transmission of power. 2,400,622; May 21.
- Altman, Clara J., Detroit, Mich. Curling method. 2,404,224; Feb. 12.
- Altman, Clara J., Detroit, Mich. Curling hair. 2,397,908; Apr. 9.
- Altman, Clara J., Detroit, Mich. Eyelash buffer. 2,409,823; Oct. 22.
- Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Variable power telescope. 2,398,276; Apr. 9.
- Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Wide-angle telescope objective. 2,401,822; June 4.
- Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Four-component objective. 2,405,729; Aug. 13.
- Altman, Frederick J., U. S. Army. Oscillating circuit. 2,402,270; June 13.
- Altman, Peter, Detroit, assignor to Continental Motors Corporation, Muskegon, Mich. Portable power unit—handle cooling. 2,410,142; Oct. 29.
- Altman, Peter, Detroit, assignor to Continental Motors Corporation, Muskegon, Mich. Portable engine. 2,410,143; Oct. 29.
- Alton, Alvin J.: See—
North, Gerald C., and Alton.
North, Gerald C., Alton, and Little.
- Alton, William H., Westport, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Rubber accelerator. 2,399,655; May 7.
- Alton, William H., Westport, and F. E. Hutchins, Norwalk, Conn., assignors to R. T. Vanderbilt Company, Inc., New York, N. Y. Emulsion. 2,409,338; Oct. 15.
- Altorfer, Hans A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combustion turbine burner. 2,411,181; Nov. 19.
- Altsheler, William B., Louisville, assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Pneumatically-operated liquid-recirculating device. 2,408,721; Oct. 8.
- Aluminum Company of America, assignee: See—
Andrews, Raynal W., Jr., and Dolly.
Blackmun, Edward V.
Gunn, Robert D.
Handler, Alfred A.
Laing, Kenneth M.
Marsh, Kirtland.
Miller, Mike A., and White.
Nelson, David G.
Osborne, Andrew G.
Renrick, Walter S., and Nighthart.
Riesmeyer, August H.
Riesmeyer, August H., and Gitzen.
Stowe, Vernon M.
Stroup, Philip T., and Willmore.
Underwood, James E.
Von Stocker, Selmer G.
White, Wayne E.
Willmore, Charles B.
- Aluminum Gonds Mfg. Co., assignee: See—
Hansen, Harold, and Pilger.
- Aluminum Plant & Vessel Company, The, assignee: See—
Hill, Ronald A.
- Alvarado, Alfonso M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes. 2,402,586; June 25.
- Alvarado, Alfonso M., Wilmington, W. A. Lazier, New Castle County, and J. H. Wernitz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes. 2,402,587; June 25.
- Alves, Howard A., Skokie, and B. L. MacKusick, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Removing from high-boiling tar acids, bodies which impart color to water white hydrocarbon liquids. 2,394,652; Feb. 12.

- Alward, Kenneth C., Moweaqua, Ill. Supertread for tires. 2,411,240; Nov. 19.
- Amand, Raymond H., Norwalk, and J. C. Daninos, Darien, assignors to General Aircraft Equipment, Inc., South Norwalk, Conn. Heat exchange device. 2,392,444; Jan. 8.
- Amberg, Walter E., Beverly Shores, Ind., assignor to Universal Paper Products Company, Chicago, Ill. Receipt dispensing carton. 2,405,107; Aug. 6.
- Ambrose, Dermot M.; See—
- Chatterjee, Prafulla K., Scully, and Ambrose.
- Ambrosia, Biagio F., Long Island City, assignor to International Business Machines Corporation, New York, N. Y. Dot-and-dash telegraph receiver. 2,397,909; Apr. 9.
- Ambruson, Henry, Worcester, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Conveyor belt guard edge. 2,397,584; Apr. 2.
- Ambruster, Cornelius, Roslyn, Pa., assignor to The Electric Storage Battery Company. Storage battery plate. 2,404,158; July 16.
- Amur, Leon H., Brooklyn, N. Y. Game device. 2,406,731; Aug. 27.
- Amdur, Leon H., Brooklyn, N. Y. Toy rocket gun. 2,409,653; Oct. 22.
- Amer, Frank, U. S. Navy, LaMesa, Calif. High-low support skid. 2,400,523; May 21.
- American Air Filter Company, Inc., assignee: See—
Dahlman, Verner.
Nutting, Arthur.
- American Allsafe Company, Inc., assignee: See—
Campbell, Neil M.
- American Aniline Products, Inc., assignee: See—
Armour, George L.
Steiger, Norbert.
- American Anode Inc., assignee: See—
Miller, Donald J.
Tausch, Harry W.
- American Automatic Typewriter Company, assignee: See—
Schulz, Otto.
- American Bank Note Company, assignee: See—
Foote, Chauncey P., Jr., and Guertin.
- American Beauty Products Co., assignee: See—
Koch, Carl E.
- American Bitumuls Company, assignee: See—
McCoy, Paul E.
Watts, Vilas E.
- American Bitumuls Company, The, assignee: See—
Buckley, Walter D., and Ely.
Prattis, Joseph E., and Oakley.
- American Blower Corporation, assignee: See—
Anderson, Axel F. L.
- American Bosch Corporation, assignee: See—
Coe, Frank S.
Crocker, William D., and Coe.
Guertin, Charles B.
Kongsted, Ludvig P.
Teichert, Conrad A.
- American Box Board Company, assignee: See—
Kohlhepp, Henry R.
- American Brake Company, The, assignee: See—
Gantner, William A.
- American Brake Shoe Company, assignee: See—
Blume, William A., and Conarton.
Carr, Bradley S., and Blakemore.
Clark, John O'P.
Heidenthal, Warren C.
Huber, Albert F.
Keller, Emil C., and Spokes.
Nelson, Albert.
Pogue, Robert B.
Trainer, Maurice N.
Walpole, Alfred R.
- American Broach & Machine Co., assignee: See—
Lapointe, Francis J.
- American Can Company, assignee: See—
Aimgren, August E.
Bald, William.
Bierman, George H.
Dawn, George J.
Goodrich, Frank W.
Jackson, John M.
Jones, Lyman L.
Jordan, Warren D., and Lindgren.
Kruse, Orlin O.
Lehmann, Karl F.
Mey, William F.
Murch, John H.
Nordquist, Ronald E. J.
Odquist, Horace T.
Paynter, Horace J.
Pechy, William.
Peters, John F.
Peterson, Howard B., and Renard.
Pottle, Ralph K.
Robinson, John E., and Millelot.
Robinson, John E., and Millelot, Jr.
Socke, John E.
Wolfe, Herbert J.
Woolford, Custis S.
- American Car and Foundry Company, assignee: See—
Campbell, Edmund D.
Christiansen, John.
Dille, June D.
Evans, Morris S., and Stolberg.
Morey, William E., and Nichols.
Schroeder, Ernest R.
Shields, Robert A.
Willoughby, Victor.
Wrobbel, Rudolph, and Walter.
- American Car and Foundry Investment Corporation, assignee: See—
Stanton, Warren F.
- American Chain & Cable Company, Inc., assignee: See—
Bratz, Otto J.
Kuhnl, Leopold.
- American Chemical Paint Company, assignee: See—
Douty, Alfred, and Heller.
Douty, Alfred, and Romig.
Jones, Franklin D.
Saukatis, Albert J.
- American Coach & Body Company, The, assignee: See—
Kelleher, Daniel.
- American Coils Co., assignee: See—
Sewell, Cleveland A.
- American Cyanamid & Chemical Corporation, assignee: See—
Clark, Le Roy V.
Mercer, Robert G., and Taylor.
- American Cyanamid Company, assignee: See—
Adams, Pierrepont.
Allen, Charles F., and Kentro.
Amick, Chester.
Ashley, Kenneth D., and Jaeger.
Barnes, Robert B.
Bart, Edward H.
Booth, Robert B., and Carpenter.
Booth, Robert B., and Herkenhoff.
Bradley, Chester W.
Carpenter, Erwin L.
Carpenter, Erwin L., Davis, and Wiedeman.
Cole, Quintin F., and Roblin.
Cook, Elmer W., and Hook.
Cook, Elmer W., and Thomas.
Crossley, Moses L., and English.
David, Charles P.
Davis, Arnold R.
Davis, Harold S.
Dean, Russell T., and King.
Dhelin, Leonard H.
Dixon, James K.
Dixon, James K., and Sayward.
Ludley, James R.
Durant, Walter W., and Blann.
English, Jackson P.
English, Jackson P., Vaughan, and Roblin.
Fischman, Ralph M.
Foster, George H., and Williams.
Gibbons, Edward J., and O'Neill.
Harris, Raymond R.
Hechenbleikner, Ingeniun.
Heuser, Ralph V.
Hill, Arthur J., and Degnan.
Hill, Arthur J., and Holmes.
Hill, William H.
Holmes, Roger B., and Hill.
Hood, Robert L., and Berry.
Horsfall, John L.
Hull, Washington.
Kaiser, Donald W.
Kaiser, Donald W., and Sperry.
Kaiser, Donald W., and Thurston.
Kienle, Roy H., and Amick.
King, Victor L.
Kropa, Edward L.
Kusiner, Samuel.
Lacey, Harold T., and Brouillard.
Lacey, Harold T., and Ness.
Landes, Chester G.
Large, Edward W.
Laury, Napoleon A., and Lombardo.
Lecher, Hans Z., and Goulding.
Lecher, Hans Z., Goulding, and Parker.
Lecher, Hans Z., Parker, and Denton.
Lecher, Hans Z., Scalera, and Hardy.
Lecher, Hans Z., Scalera, and Lester.
Long, Robert S.
Loukowsky, Serge A., and Stock.
MacLenn, Alexander F.
Mariner, Thomas.
Maxwell, Charles S.
Mensing, Carl E.
Migridichian, Vartkas.
Nagy, Daniel E.
Norbey, Elmore H.
Paden, Joseph H., and Mackay.
Pall, David B.
Parker, Robert P., and Denton.
Parker, Robert P., and Hill.
Parker, Robert P., and Hofmann.
Parker, Robert P., and Smith.
Pepper, Foster L.
Peter, John P. C.

American Cyanamid Company, assignee: *See*—Continued

Pfann, Harry F. and Kropp.
Pieper, Karl G. and Hill.
Pollard, John D.
Roblin, Richard O., Jr. and Winnek.
Royer, George L., and Stearns.
Scott, Milton J.
Spencer, Cecil A.
Stearns, Edwin I., Jr.
Stearns, Edwin I., and Shurcliff.
Taxwood, Vincent C.
Tchornil, David L., and Watson.
Thomas, Walter M.
Thurston, Jack T.
Weiss, Robert H., and Wintringham.
West, Herbert J.
Winnek, Philip S.
Winnek, Philip S., and Cole.
Winnek, Philip S., and Roblin.
American Dairies Incorporated, assignee, et al.: *See*—
Graham, William R., Jr., Kohler, and Hoover.
American Dehydrator, Inc., assignee: *See*—
Lowgren, Karl A. W., Afsen, and Messing.
American Display Company, assignee: *See*—
Dunkelberger, Milton S.
American Distributor Telegraph Company, assignee: *See*—
Blosser, Dwight W., and Evans.
Donelian, Khatchik O.
Evans, Francis C.
Muehrer, Manfred W.
American Dyeing Company, assignee: *See*—
Pieper, Oliver T.
American Ecla Corporation, assignee: *See*—
Chavannes, Marc A.
American Engineering Company, assignee: *See*—
Lawrence, Howe, and Roblin.
American Enka Corporation, assignee: *See*—
Jackson, Arthur L. and Whisman.
Polak, James J., and Jackson.
Whisman, John K.
White, Guy H.
American Floor Surfacing Machine Company, The, assignee: *See*—
Vavrik, Louis.
American Foundry Equipment Company, assignee: *See*—
Unger, Chester E.
American Furniture & Toy Company, assignee: *See*—
Schneider, Rudolph G.
American Glare Shield Co., Inc., The, assignee: *See*—
Le Lande, Lester R.
American Hoist & Derrick Co., assignee: *See*—
Welsch, Louis A.
American Home Products Corporation, assignee: *See*—
Ansbacher, Stefan.
American Instrument Company, assignee: *See*—
Meigs, Douglas P.
American Integ Steel Corporation, assignee: *See*—
Stites, Joseph D.
American-La France-Foamite Corporation, assignee: *See*—
Lindsay, Charles H., and Weaver.
White, Clifford B.
American Laundry Machinery Company, The, assignee: *See*—
Conch, Forrest J.
Preston, John E.
American Lead Pencil Company, assignee: *See*—
Jueiss, David.
American Lecithin Company, assignee: *See*—
Jacobs, Joseph J.
Julian, Percy L., and Meyer.
Stanley, Joseph.
American Locomotive Company, assignee: *See*—
Barraja-Frauenfelder, Joseph, and Schrom.
Bunker, Arthur C.
Elder, Frederick T., Farkas, and Gunter.
Farkas, George B.
Freeman, Newell L.
Gunter, Addison Y.
Kindervater, Julius.
Kopp, Sigmund.
Schreck, Henry.
American Machine & Foundry Company, assignee: *See*—
Arelt, Charles.
Jensen, Thormod.
Johnson, Carl W.
Johnson, Carl W., and Neumair.
Pohl, Ernest E.
Rundell, Rupert E.
Wells, Franklin H., and Root.
American Maize-Products Company, assignee: *See*—
Buchanan, Ben F., and Lloyd.
Evans, Cyril D.
Lloyd, Robert L., and Buchanan.
Moran, Willard L.
American-Marsh Pumps, Inc., assignee: *See*—
Adney, Adrian P.
American Metal Company, Limited, The, assignee: *See*—
Jones, Thomas R.
American MonoRail Company, The, assignee: *See*—
Hay, Charles N.
American Oak Leather Company, The, assignee: *See*—
Henning, Frederick W.

American Optical Company, assignee: *See*—

Bardwell, Ralph P., and Smith.
Bennett, Alva H.
Bennett, Alva H., and Richards.
Bennett, Alva H., and Tillyer.
Bernheim, Daniel P., and Glasberg.
Berry, John J.
Ellis, Charles A.
Gradisar, Albin A.
Gradisar, Albin A., and Brown.
Gradisar, Albin A., and Guellich.
Guellich, Gustav E.
Heijn, Paul C.
Hendrix, Don O.
Jackson, George W.
Joyce, William J.
Light, David M.
Osterberg, Harold, and Heijn.
Osterberg, Harold, Pride, and Heijn.
Peck, William F.
Richards, Oscar W.
Roblee, Ide L.
Schauweker, George H.
Spaine, Edward M.
Stewart, James A.
American Reclamation Company, assignee: *See*—
Shallock, Edward W.
Urban, William J.
American Pad & Textile Company, The, assignee: *See*—
Hull, Joseph S.
American Paper Bottle Company, The, assignee: *See*—
Monroe, Charles Z.
American Pattern and Manufacturing Co., assignee: *See*—
Miller, Raymond J.
American Perforator Company, The, assignee: *See*—
Nelson, Martin L., and Roberts.
American Petroleum Institute, assignee: *See*—
Zobell, Claude E.
American Pipe and Construction Co., assignee: *See*—
Butler, Adolf G.
American Potash & Chemical Corporation, assignee: *See*—
May, Frank H., and Suhr.
Suhr, Henry B., and Fitch.
American Pulley Company, The, assignee: *See*—
Williams, William A.
American Radiator & Standard Sanitary Corporation, assignee: *See*—
Goerg, Bernard.
American Register Company, assignee: *See*—
Oliver, Walter E.
American Rolling Mill Company, The, assignee: *See*—
Blickensdorfer, Robert, and Weich.
Gifford, Carl E., Carpenter, and Cook.
Hoover, George R., and Hays.
Oganowski, Kasimir.
Oganowski, Kasimir, Parks, and Coburn.
Reed, Ed, and Washburn.
Schaufus, Henry S.
American Safety Razor Corporation, assignee: *See*—
Kleinmann, Max.
Ortomano, Mario.
Signoret, Albert J.
American Screw Company, assignee: *See*—
Clark, Eugene E.
American Sealeone Corporation, assignee: *See*—
Merkle, Alfred.
American Seal-Kap Corporation, assignee: *See*—
Allen, Kenneth R.
American Smelting and Refining Company, assignee: *See*—
Cooper, Elbert M.
Fleming, Edward P., and Flitt.
Fritschle, Arthur.
Gall, C. C., and Prucha.
Johnston, Walter F.
Phillips, Albert J., Lebedeff, and Crandall.
American Steel Dredge Company, Inc., The, assignee: *See*—
Rauch, John D.
American Steel Foundries, assignee: *See*—
Bachman, Fred E.
Baselt, Walter H., and Tack.
Clasen, Claus J. W.
Cottrell, Robert B.
Edstrom, Carl A.
Flesch, Norman.
Heater, Charles L.
Hess, Reiza J., and Cizek.
Kayler, Frank H.
Keyser, Harold C.
Kinne, Edmund P., and Kayler.
Lehrman, Leo A.
Light, David M.
Peycke, Armand H., and Aurien.
Poulter, Thomas C., and Strom.
Tack, Carl E.
Tack, Carl E., and Flesch.
Tack, Carl E., and Helsten.
Watts, Raymond.
Young, Donald M.

- American Steel and Wire Company, The, assignee: *See*—
Bannerman, Gordon H., Curran, and Trout.
Beckwith, Glenwood J.
Bricman, Alan E.
Elder, Flint C., and Harris.
Liptak, John P.
Turner, Charles K.
Wright, Charles L.
- American Steel and Wire Company of New Jersey, The, assignee: *See*—
Bannerman, Gordon H.
Boak, Willis E.
Bricman, Alan E.
Dougherty, James W.
Elmendorf, Harold J.
Fenner, James M., and Mog.
Fenner, James M., Griffiths, and Harris.
Fenton, George D.
Graham, Hugh B.
Harter, Noah S.
Leonard, William E.
Leppa, Fred.
Lorig, Frank W., Miller, and Robinson.
Peirce, Walter T.
Ramstedt, Emil L.
Riddle, Harvey W.
Symmes, Daniel D.
Wald, George F.
- American Sterilizer Company, assignee: *See*—
Comper, Adrian.
- American Stove Company, assignee: *See*—
Moeckel, Henry, Jr., Frick, Meacham, and White.
Morrill, Vaughan, Jr.
- American Swiss Company, The, assignee: *See*—
Rightmyer, Holden W.
- American Telephone and Telegraph Company, assignee: *See*—
Avery, Robert C.
Bailey, Austin.
Bemis, Edwin W.
Cannon, Frank J., and Goodwin.
Corderman, Roy C.
Corey, Horace E., and Wright.
Cronburg, Claude L.
Davis, Howard E.
Fay, Frank H., and Reeve.
Eggensperger, Arlo R.
Gammell, Ernest O.
Greene, Monte L.
King, Robert W.
Martin, Wade B.
Nitterauer, Franklin D.
Pierce, Ralph E., and Perry.
Rhodes, Harold A.
Schroeppel, Harold H.
Smith, Temple C., and Brown.
Willis, Milton P.
- American Tool & Machine Co., assignee: *See*—
Tholl, John F.
- American Turbator Corporation, assignee: *See*—
Bejeuhr, Walter.
- American Type Founders, Incorporated, assignee: *See*—
Kauffeld, Theodore J.
Long, Henry R.
Seybold, Frederick W.
- American Viscose Corporation, assignee: *See*—
Burke, Allen P., and Crewdson.
Cowling, Hale.
Davidson, Hobart O.
De Brabander, Camiel.
Duyveson, Ivanhoe P.
Ebert, David M., and Hogeland.
Folmer, Herman C. R.
Haley, Hugh D.
Haley, Hugh D., and Schaffer.
Heyman, Isidore.
Lodge, Alvin.
Luttrell, William G., and Mesthene.
McDermott, Henry J.
McDermott, Henry J., and Stanley.
Morehead, Frederick F.
Nelson, Seddon C.
Richardson, Arthur B., and Thompson.
Smith, Robert A.
Spalding, John E., and Wicker.
Stanley, Richard W.
Stanley, Richard W., and Lowe.
Taylor, Robert J.
Taylor, Robert J., and Webb.
Truitt, Joseph A.
Wallach, Roger N.
Webb, Wesley L.
Welton, Norman S.
- American Wire Works, The, assignee: *See*—
Walker, James D.
- American Wheel Works, The, assignee: *See*—
Walker, James D.
- American Window Glass Company, assignee: *See*—
Weihs, Theodor G.
- American Zinc, Lead & Smelting Company, assignee: *See*—
MacIntire, Walter H.
- Ames Baldwin Wyoming Co., assignee: *See*—
Harte, Richard.
Wharton, George C.
- Ames Company, Inc., assignee: *See*—
Christner, Howard F., Lobley, and Miles.
Ames, Richard L., assignee, et al.: *See*—
Livermont, Frank W.
- Amesbury Seat Manufacturing Company, assignee: *See*—
Hare, Terence G.
- Amick, Chester A.: *See*—
Kienle, Roy H., and Amick.
Amick, Chester A., assignor to American Cyanamid Company, Inc., Direct dye planographic printing compositions. 2,404,769; July 30.
- Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine needle. 2,399,308; Apr. 30.
- Amidon, Roy C., Reading, Pa., assignor to Vanity Fair Mills, Inc. Knitting needle. 2,400,476; May 21.
- Amidon, Roy C., Reading, Pa., assignor to Vanity Fair Mills, Inc. Knitting machine. 2,400,524; May 21.
- Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine. 2,400,525; May 21.
- Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine. 2,400,526; May 21.
- Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine needle and operating same. 2,403,961; July 16.
- Amiot, Rodolphe, San Francisco, Calif. Window ventilator. 2,398,762; Apr. 23.
- Amley, Oliver B., Bay City, and J. B. Gregory, Midland, Mich., assignors to The Dow Chemical Company. Thermoplastic pipe flange. 2,412,487; Dec. 10.
- Ammen, Francis D., Los Angeles, Calif. Propeller pitch and diameter control. 2,403,899; July 16.
- Ammoco Products Co., Inc., assignee: *See*—
Larson, Wallace M.
- Ammon, Edward R., Reading, Pa. Stocking stacking and banding device. 2,404,206; July 16.
- Amon, Fred H., Weston, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Method and apparatus for producing carbon black. 2,399,591; Apr. 30.
- Ammons, George H., Minneapolis, Minn. Drive mechanism for washing machines. 2,396,549; Mar. 12.
- Amos-Thompson Corporation, assignee: *See*—
Hill, Harry D.
- Amoth, Verona P., Crosby, N. Dak. All purpose utility pencil case. 2,412,938; Dec. 24.
- Amott, Earl, Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Transformer oil. 2,397,332; Mar. 26.
- Amott, Earl, Berkeley, Calif., assignor to Union Oil Company, Los Angeles, Calif. Producing dry metal sulfonates of improved oil solubility. 2,411,819; Nov. 26.
- Amott, Earl, Berkeley, and W. E. Grebe, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Chemical method. 2,395,774; Feb. 26.
- Amrein, Werner: *See*—
Fischer, Friedrich, and Amrein.
- Ams, Max, Machine Company, The, assignee: *See*—
Breisinger, Julius.
Diezel, Willy.
- Amsco Packaging Machinery Inc., assignee: *See*—
Messmer, Edwin E.
- Amthor, Franklin R., Port Washington, N. Y. Shell. 2,396,973; Mar. 19.
- Amthor, Frederick E., assignor to Amthor Testing Instrument Co., Incorporated, Brooklyn, N. Y. Window guard locking device. 2,400,280; May 14.
- Amthor Testing Instrument Co., Incorporated, assignee: *See*—
Amthor, Frederick E.
- Amundsen, Hans R., Oak Park, Ill. Friction brake or clutch. 2,402,005; June 11.
- Amyot, Pierre, Quebec, Quebec, Canada. Foundation garment. 2,401,325; June 4.
- Amyot, Pierre, Quebec, Quebec, Canada. Brassière. 2,401,895; June 11.
- Anacoda Copper Mining Company, assignee: *See*—
Prescott, Harry T.
Simmons, John H., and Spencer.
- Anacoda Wire and Cable Company, assignee: *See*—
Greenfield, Eugene W.
Hicknell, Latimer F., and Talbott.
Olson, John W.
Olson, John W., and Bechle.
Roesch, Samuel J.
- Anania, James A., Newark, N. J. Cutter tool assembly. 2,392,216; Jan. 1.
- Anania, James A., Newark, N. J. Cutter tool locking mechanism. 2,392,217; Jan. 1.
- Anchor Hocking Glass Corporation, assignee: *See*—
Herrold, Gordon W.
Russell, Howard W., and Lucks.
Stover, Harry E.
- Anchor Manufacturing Company, assignee: *See*—
Johansson, Ernest G.
Sparkes, Harry P., and Johansson.
- Anchor Slide Fastener Corp., assignee: *See*—
Stern, Norman.
- Andalkiewicz, Boley A., assignor to C. E. Hovey, Trustee, Kansas City, Mo. Flow detecting method. 2,393,225; Jan. 22.

- Anders, Walter, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Disazo dyestuffs and making same. 2,411,646; No. 26.
- Anders, Theodore A., Philadelphia, and R. W. Tafel, Drexel Hill, Pa. Tandem self aligning gauge. 2,402,142; June 18.
- Andersen, Bjorn: *See—*
Dreyfus, Camille, and Andersen.
- Andersen, Bjorn, Maplewood, N. J., assignor to Celanese Corporation of America. Transparent plastic material. 2,404,422; July 23.
- Andersen, Carl N., Wellesley, assignor to Lever Brothers Company, Cambridge, Mass. Vitamin and mineral dietary supplement and making. 2,410,417; Nov. 5.
- Andersen Corporation, assignee: *See—*
Swanson, Earl C.
- Andersen, George D., Los Angeles, C. L. Spencer, Santa Monica, and J. L. Hansen, Los Angeles, Calif.; said Spencer and said Hansen assignors to said Andersen. Perspective drawing device. 2,412,194; Dec. 10.
- Andersen, Jorgen C., Rochester, N. Y. Index mechanism. 2,392,112; Jan. 1.
- Andersen, Jorgen C., Rochester, N. Y. Lens grinding and polishing machine. 2,402,865; June 25.
- Andersen, Nils P. E., Elm Grove, assignor to Harnischfeger Corporation, Milwaukee, Wis. Cargo crane. 2,396,143; Mar. 5.
- Andersen, Oscar W., Los Angeles, Calif. Turntable. 2,395,528; Feb. 26.
- Andersen, Alva E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam relay. 2,409,179; Oct. 15.
- Andersen, Alva E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency detector. 2,409,608; Oct. 22.
- Andersen, Anton, Chicago, Ill. Lap. 2,401,215; May 28.
- Andersen, Alva E., New York, N. Y., and A. L. Samuel, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency oscillator. 2,405,175; Aug. 6.
- Andersen, Arthur, Brooklyn, N. Y. Apparatus for forming cam surfaces upon cylindrical cam bodies. 2,408,722; Oct. 8.
- Andersen, Arthur A., Ross Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tape dispenser and applicator. 2,407,641; Sept. 17.
- Andersen, Arthur O., Davenport, Iowa. Fuel feeding apparatus. 2,412,193; Dec. 10.
- Andersen, Axel B., assignor to American Blower Corporation, Detroit, Mich. Fan wheel. 2,392,113; Jan. 1.
- Andersen, Benjamin T., Long Beach, and M. T. Flaxman, Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Diesel fuel oil. 2,397,771; Apr. 2.
- Andersen, Benjamin T., Long Beach, and M. T. Flaxman, Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Diesel type fuel. 2,413,482; Dec. 31.
- Andersen, Bertil T.: *See—*
Ericson, Alfred G., and Andersen.
- Andersen, Bertil T., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Control system for machine tools. 2,398,346; Apr. 16.
- Andersen, Carl M., Corsicana, Tex., assignor, by mesne assignments, to Bethlehem Supply Company. Air-cooled hoisting drum. 2,412,706; Dec. 17.
- Andersen, Church, Arcadia, Calif. Combined wall switch and electric clock. 2,392,445; Jan. 8.
- Andersen, Church, Arcadia, Calif. Floor or wall safety box. 2,410,475; Nov. 5.
- Andersen, Clare, Scotch Plains, N. J., assignor to Realty and Industrial Corporation. Electrical measuring apparatus. 2,399,909; May 7.
- Andersen, Clarence S., Des Moines, Iowa. Silo and tank lug. 2,406,054; Aug. 20.
- Andersen, Clifford H., Davenport, Iowa. Cleaning and scouring machine. 2,395,160; Feb. 19.
- Andersen Company, The, assignee: *See—*
Boddy, Leonard.
- Andersen, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Radio beacon system. 2,403,429; July 9.
- Andersen, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Pulse selectivity system. 2,410,000; Oct. 29.
- Andersen, Edmund A.: *See—*
Boyle, Edward J., and Andersen.
- Andersen, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Fabricating universal joints. 2,397,585; Apr. 2.
- Andersen, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint. 2,402,006; June 11.
- Andersen, Edmund C., Homewood, assignor to Kensington Steel Company, Chicago, Ill. Belt conveyer. 2,406,279; Aug. 20.
- Andersen, Edward R., Blackstone, Va. Semiautomatic safety lighter. 2,393,508; Jan. 22.
- Andersen, Edwin F., Buffalo, N. Y., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Bag waxing machine. 2,405,391; Aug. 6.
- Andersen, Einar A., Minneapolis, Minn. Adjustable operating handle for steering wheels. 2,413,132; Dec. 24.
- Andersen, Ellery, Buhl, Minn. Apparatus for treating ores or other materials. 2,393,227; Jan. 22.
- Andersen, Eric: *See—*
Doering, Charles, H. H., Anderson, and Skoglund.
- Andersen, Eric A., New Orleans, La., dedicated to the free use of the people in the territory of the United States. Lumber grain slope-measuring instrument. 2,413,424; Dec. 31.
- Andersen, Eric M., Sr.: *See—*
Andersen, Peter A. and E. M., Sr., Hansen, and Edwards.
- Andersen, Eric W.: *See—*
Doering, Charles and H. H., Skoglund, and Andersen.
- Andersen, Francis M., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Material for sealing off porous formations in wells. 2,398,347; Apr. 16.
- Andersen, Frank E.: *See—*
Schliwa, Adolph M., and Andersen.
- Andersen, Frohman, Brooklyn, assignor of two-fifths to I. K. Adler, New York, N. Y. Metal drawing die. 2,395,551; Feb. 26.
- Andersen, George C., Great Neck, N. Y. Adjustable saddle cleaning horse. 2,403,324; July 2.
- Andersen, George O., and A. C. Pitt, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Supercharged internal-combustion engine. 2,392,565; Jan. 1.
- Andersen, George R., assignor to J. M. Hopwood, Mount Lebanon, Pa. System of control for pulverizer mills. 2,404,937; July 30.
- Andersen, Gordon H., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Cast core members for electrical apparatus. 2,392,802; Jan. 15.
- Andersen, Harold N., Rocky River, Ohio. Forging press. 2,404,351; July 23.
- Andersen, Harry G., Alameda, Calif. Open end ratchet wrench. 2,401,128; May 28.
- Andersen, James: *See—*
Galloway, William S., and Andersen.
- Andersen, James A., Jr., Goose Creek, Tex., assignor to Standard Development Company. Treatment of cracked naphtha. 2,408,935; Aug. 20.
- Andersen, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method and apparatus for protecting burners. 2,404,423; July 23.
- Andersen, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Billet scarfing method and apparatus. 2,409,654; Oct. 22.
- Andersen, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Circle cutting machine. 2,411,182; Nov. 19.
- Andersen, James M., Broomall, Pa., assignor to General Electric Company. Electric switch. 2,401,538; June 4.
- Andersen, James N., North Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Apparatus for recording electrical signals. 2,403,472; July 9.
- Andersen, James N., North Plainfield, and R. Hoover, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Indicating system. 2,392,355; Jan. 8.
- Andersen, John: *See—*
Bullard, Edwin F., Anderson, and McAllister.
- McAllister, Sumner H., Anderson, and Ross.
- Andersen, John, Chicago, Ill. Storage battery. 2,395,652; Feb. 26.
- Andersen, John, and R. C. Castner, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of hydrocarbons. 2,359,775; Feb. 26.
- Andersen, John, Berkeley, E. F. Bullard, Oakland, and S. H. McAllister, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Aromatic hydrocarbon alkylation. 2,396,144; Mar. 5.
- Andersen, John E., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Blade adjusting means. 2,396,630; Mar. 19.
- Andersen, John E., and J. H. Ballard, Muskegon, and H. E. Potter, Spring Lake, assignors to Sealed Power Corporation, Muskegon, Mich. Grooving tool. 2,399,309; Apr. 30.
- Andersen, John E., and C. W. Dunlap, assignors to Plibrico Toolless Firebrick Company, Chicago, Ill. Anchor extension means. 2,413,425; Dec. 31.
- Andersen, John F., Oakland, Calif. Drilling vise. 2,407,769; Sept. 17.
- Andersen, John W., Danbury, Conn. Plastic lipstick holder. 2,395,709; Feb. 26.
- Andersen, John W., Newtown, Conn. Expellant holder with telescopic screw core. 2,395,710; Feb. 26.
- Andersen, John W., Gary, Ind. Razor. 2,406,983; Sept. 3.
- Andersen, John W., Gary, Ind. Handle for safety razors. 2,406,984; Sept. 3.
- Andersen, John W., Gary, Ind. Razor. 2,406,985; Sept. 3.
- Andersen, John W., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper system. 2,407,215; Sept. 10.
- Andersen, Leslie J., Indianapolis, Ind., assignor to Radio Corporation of America. Announcing method and system. 2,392,218; Jan. 1.

- Anderson, Leslie J., Haddonfield, N. J., assignor to Radio Corporation of America, Electromechanical signal translating apparatus, 2,400,281; May 14.
- Anderson, Marshall N., and M. H. Sellstrom, assignors to Sellstrom Manufacturing Company, Chicago, Ill. Welders' helmet, 2,410,255; Oct. 29.
- Anderson, Martin J., assignor to Mathews Conveyor Company, Elwood City, Pa. Conveyor system, 2,411,407; Nov. 19.
- Anderson, Norman L., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing copper-containing azo dyestuffs, 2,400,092; May 14.
- Anderson, Olof V., Providence, R. I. Cuff button, 2,396,668; Mar. 19.
- Anderson, Oscar W., Glendale, N. Y. Work clamp, 2,395,242; Feb. 19.
- Anderson, Peter A., Portland, E. M. Anderson, Sr., Westbrook, E. W. Hansen, Bangor, and J. H. Edwards, assignors to Utilities Distributors, Inc., Portland, Maine. Casing for truck and freight car heaters, 2,407,124; Sept. 3.
- Anderson Products, Inc., assignee: *See*—Ferguson, Warren T.
- Anderson, Ralph L., assignor to Deere & Company, Moline, Ill. Combine for garbanza and like crops, 2,402,007; July 1.
- Anderson, Reuben B., St. Paul, Minn. Hair clipper, 2,406,986; Sept. 3.
- Anderson, Rexford O., and W. E. Walsh, Chicago, assignors to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Aerial pickoff device, 2,393,948; Feb. 5.
- Anderson, Rexford O., Chicago, Ill. M. E. Landry, Tulsa, Okla., and W. F. Ardussi, said Ardussi, assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Apparatus for absorbing shock loads, 2,396,071; Mar. 5.
- Anderson, Richard H.: *See*—Hertzell, Emanuel A., and Anderson.
- Anderson, Robert W., assignee: *See*—Bertoglio, Tony
- Anderson, Roger, Seattle, Wash. Fracture splint, 2,406,987; Sept. 3.
- Anderson, Roy J., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Automatic bread toasting apparatus, Re. 22,781; Aug. 20.
- Anderson, Sidney S., assignee: *See*—Baucum, William W.
- Anderson, Ted R., Puunene, Maui, Hawaii. Internal-combustion engine, 2,409,609; Oct. 22.
- Anderson, Velney S., Los Angeles, Calif. Molding apparatus, 2,398,406; Mar. 12.
- Anderson, William C., Bromley, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Double-throw switch, 2,405,005; July 30.
- Anderson, William C., Burlington, and G. J. Naber, Erlanger, Ky., assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric trolley conductor duct and collector, 2,412,382; Dec. 10.
- Anderson, William S.: *See*—Mahoney, James A., and Anderson.
- Anderson, William W.: *See*—Monson, Louis E., Anderson, and Jenkins.
- Andon, Arpinse E., Pelham, N. Y. Match holder and windshield, 2,411,314; Nov. 19.
- Andreasson, Rudolf W., Franklin, Mich. Drilling device, 2,409,525; Oct. 15.
- Andreef, Alexis D., Montreal, Quebec, Canada. Apparatus for use in the manufacture of laminated skis, 2,392,079; Jan. 1.
- Andreopoulos, Theodore C., Buffalo, and P. J. Papadakes, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Spin chute installation, 2,411,077; Nov. 12.
- Andresen, Kurt H., Bradford, Pa., assignor, by mesne assignments, to Essex Royalty Corporation, New York, N. Y. Method of oil recovery, 2,402,588; June 25.
- Andresen, Raymond H., assignor to Peerless Tool and Engineering Company, Chicago, Ill. Lathe attachment, 2,396,631; Mar. 19.
- Andresen, Raymond H., assignor to Peerless Tool and Engineering Company, Chicago, Ill. Lathe attachment, 2,409,464; Oct. 15.
- Andress, Harry J., Jr.: *See*—Reiff, Orland M., and Andress.
- Andrew, Lucy B., Forest Hills, N. Y. Producing waves and curls, 2,397,597; Mar. 26.
- Andrew, William K., Wauwatosa, and J. J. Lenert, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Work indexing mechanism, 2,407,970; Sept. 24.
- Andrews, Charles F.: *See*—McFarlane, John W., and Andrews.
- Andrews, Earle R.: *See*—Stearns, Lionel H., and Andrews.
- Andrews, Earle R., and L. H. Stearns, Los Angeles, Calif. Portable shower, 2,403,430; July 9.
- Andrews, Edward D., assignee: *See*—Alderfer, Sterling W.
- Andrews, John W., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Process for electrodeposition of tin, 2,399,191; Apr. 30.
- Andrews, Melvin R., Junction City, Oreg. Radio compass demonstrator, 2,402,271; June 18.
- Andrews, O. B. Company, assignee: *See*—Boh, George W.
- Turner, William E.
- Andrews, Osceola W.: *See*—Miller, Ralph W., and Andrews.
- Andrews, Ralph J., New Haven, Conn., assignor, by mesne assignments, to Wilson Carbon Company, Inc., New York, N. Y. Processing acid sludge, 2,393,214; Jan. 15.
- Andrews, Raynal W., Jr., New Kensington, and A. T. Deily, assignors to Aluminum Company of America, Pittsburgh, Pa. Carriage for metal drawing apparatus, 2,410,594; Nov. 5.
- Andrews, Thomas: *See*—Trostler, Fredrick, and Andrews.
- Andrews, Troy M.: *See*—Hanev, Clifford I., Martin, and Andrews.
- Reeves, Howard F., Jr., and Andrews.
- Andrews, Vernon E., assignor to Automatic Products Company, Milwaukee, Wis. Expansion valve, 2,399,088; Apr. 23.
- Andrews, Wayne M., New York, N. Y. Pocket adding machine, 2,359,609; Feb. 26.
- Andrews, Philip, Brooklyn, N. Y., and H. Krichman, Bayonne, N. J. Carbonator, 2,404,679; July 23.
- Andrus, Donald W.: *See*—Reiff, Orland M., and Andrus.
- Andrzejewski, Clara, assignor to J. Belzowski, R. L. Squire and F. Z. Roder, Chicago, Ill. Mechanism for removing foreign particles from the eye, 2,410,257; Oct. 29.
- Anemostat Corporation of America, assignee: *See*—Honerkamp, Friedrich.
- Kurth, Franz J.
- Serre, Maurice, and Kurth.
- Aneshandel, Carl W., Cincinnati, Ohio, assignor to Sterling Drug Inc., New York, N. Y. Printing ink, 2,404,680; July 23.
- Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph selector, 2,391,868; Jan. 1.
- Angelica Jacket Company, assignee: *See*—Coates, Elmer T.
- Angell, Charles H.: *See*—Giuliani, Chester J., and Angell.
- Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of fluid hydrocarbons, 2,398,759; Apr. 23.
- Angell, Earle F., assignor to E. C. Bothwell, Jr., Richmond, Va. Fire extinguisher, 2,412,491; Dec. 10.
- Anger, George L., assignee: *See*—Steinhilber, Berthold.
- Anglo-Iranian Oil Company Limited, assignee: *See*—Birch, Stanley F., Fidler, and Thornes.
- Fawcett, Eric W. M.
- Fawcett, Eric W. M., and Beynon.
- Fawcett, Eric W. M., and Jenkins.
- Fawcett, Eric W. M., and Narracott.
- Hovess, Donald A., and Fawcett.
- Vivian, Arthur C.
- Anglo-Saxon Petroleum Company Limited, The, assignee: *See*—Lubbock, Isaac, and Battershill.
- Anheuser-Busch, Incorporated, assignee: *See*—Goering, Kenneth J.
- Animal Trap Company, assignee: *See*—Heymann, Roy D.
- Anjeskey, Alphonse F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Assembling airplanes and the like, 2,405,544; Aug. 13.
- Anker-Holth Manufacturing Company, Inc., assignee: *See*—Gall, George E.
- Annable, Weldon G.: *See*—Henderson, Lawrence M., and Annable.
- Annen, James E., assignor to Sutherland Paper Company, Kalamazoo, Mich. Paper bottles and the like, and manufacture, 2,409,655; Oct. 22.
- Annett, Charles E., 2d, and M. Armstrong, Short Hills, N. J.; said Armstrong assignor to said Annett. Fastening device, 2,409,180; Oct. 15.
- Annis, Howard R., Auburn, Maine. Illumination control system, 2,392,446; Jan. 8.
- Ansbacher, Stefan, Rockville Centre, assignor to American Home Products Corporation, New York, N. Y. Therapeutic compositions, 2,403,473; July 9.
- Anschütz, Robert, and E. H. Kämmler, Zella-Mehlis, Germany; vested in the Alien Property Custodian. Device applicable for bookkeeping-calculating and similar machines, 2,392,515; Jan. 8.
- Anstedt, Paul, Des Plaines, assignor to Northern Metal Products Company, Chicago, Ill. Punch press safety guard, 2,407,527; Sept. 10.
- Antalek, John J., assignor to Virgil Hamilton, doing business as Hamilton Associated Industries, Chicago, Ill. Phonograph, 2,395,390; Feb. 26.
- Anthony Company, assignee: *See*—Anthony, William C.
- Wachter, Lester W.

- Anthony, David S., and W. B. Blocker, assignor to Anthony Tool Company, San Antonio, Tex. Cutoff tool. 2,398,913; Apr. 23.
- Anthony, Herman R. C., Madison, Wis., assignor to Ray-O-Vac Company. Leakproof dry cell. 2,399,089; Apr. 23.
- Anthony, Herman R. C., and H. G. Friang, Madison, Wis., assignors to Ray-O-Vac Company. Dry cell. 2,392,795; Jan. 8.
- Anthony, Leon P., assignor of one-half to M. A. Reynolds, Los Angeles, Calif. Internal-combustion engine. 2,394,738; Feb. 12.
- Anthony Tool Company, The, assignee: See—
Anthony, David S., and Blocker.
- Anthony, William C., Streator, Ill. Welder handle. 2,397,519; Apr. 2.
- Anthony, William C., assignor to Anthony Company, Streator, Ill. Refuse body. 2,408,284; Sept. 24.
- Antioch College, assignee, et al.: See—
Bean, Karila L.
- Antoni, Ernest J., Phoenix, Ariz. Blower type of mattress renovating machine. 2,397,586; Apr. 2.
- Antonidis, James E., assignor to Master Machine & Tool Company, Chicago, Ill. Jig bushing. 2,412,594; Dec. 17.
- Antonson, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for treating material on propeller blades. 2,407,528; Sept. 10.
- Antony, Charles, Jr., Baldwin, and E. J. Isbister, Forest Hills, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electrical connector. 2,411,861; Dec. 3.
- Antos, George, and E. Weber, New York, N. Y. Automatic clutch. 2,405,545; Aug. 13.
- Antrim, Louis C., New York, N. Y., and F. Schultz, Cliffside Park, assignors to Autographic Register Company, Hoboken, N. J. Severing attachment for typewriting machines. 2,399,154; Apr. 23.
- Anxiouann, René, Paris, and R. Imbert, Mantes, France; vested in the Alien Property Custodian. Reaction propelling device for aircraft. 2,398,911; Mar. 19.
- Anzalone, Ralph, Occasside, Long Island, assignor to Aerial Products, Inc., New York, N. Y. Rocket construction. 2,397,114; Mar. 26.
- Apco Mossberg Company, assignee: See—
Storrie, William.
- Apec Electrical Manufacturing Company, The, assignee: See—
Kirby, James B.
- Appelbaum, Huna L., Brooklyn, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Inhaler. 2,410,798; Nov. 12.
- Apker, Le Roy: See—
Tonks, Lewis, and Apker.
- Appareillage Gardy S. A., assignee: See—
Haefelfinger, Albert.
- Appel, Oscar, Paterson, N. J. System for cooling the charge flowing to an internal-combustion engine. 2,399,310; Apr. 30.
- Appel, Walter D., Orchard Lake, assignor to General Motors Corporation, Detroit, Mich. Poppet valve and guide assembly. 2,411,844; Dec. 3.
- Applebaum, Jacob, assignee: See—
Weber, William T.
- Appleford Paper Products, Ltd., assignee: See—
Smith, Ernest.
- Appleton, Arthur L., Northbrook, and C. H. Stahl, Villa Park, assignors to Appleton Electric Company, Chicago, Ill. Spinning tool. 2,410,476; Nov. 5.
- Appleton Electric Company, assignee: See—
Appleton, Arthur L., and Stahl.
- Tornblom, Nils A.
- Applied Arts Corporation, assignee: See—
Hendricks, Cornelius.
- April, Edith, assignee, et al.: See—
Bassitt, Rudolph.
- Aqua-Electric Corporation, Ltd., assignee: See—
Negus, Frank G.
- Aqua-Sec Corporation, assignee: See—
Martin, Donald M.
- Arant, Luther M., Southern Pines, N. C. Exposure meter. 2,394,835; Feb. 12.
- Arant, Perry, assignor to Clayton Manufacturing Company, Alhambra, Calif. Burner control system. 2,405,807; Aug. 13.
- Arbuthnot, Clifford E.: See—
Weiss, Frederick T., and Arbuthnot.
- Archbold-Hagner Instrument Laboratory, Inc., assignee: See—
Hagner, Frederick H.
- Archer, Charles E., Birmingham, assignor to Ex-Cell-O Corporation, Detroit, Mich. Sandblast tool. 2,392,897; Jan. 15.
- Archer, Hugh M., Dearborn, Mich., assignor to Detroit Research Laboratories, Inc., New York, N. Y. Lighting fixture. 2,392,447; Jan. 8.
- Archer, Merton T., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Well drilling plant. 2,405,546; Aug. 13.
- Archer, Thomas P.: See—
Cotter, Bart, Klaasen, and Archer.
- Archibald, Francis M., and H. O. Mottern, Elizabeth, N. J., assignors to Standard Oil Development Company. Chlorination of saturated hydrocarbons. 2,393,509; Jan. 22.
- Archibald, Frederick R., Beverly, and P. P. Alexander, Marblehead, assignors to Metal Hydrides Incorporated, Beverly, Mass. Production of metal hydrides. 2,401,326; June 4.
- Archibald, Raymond C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Dehydrogenation of hydrocarbons. 2,394,739; Feb. 12.
- Archibald, Nicholas, Boston, Mass. Nonrefillable container. 2,400,730; May 21.
- Archie, Gustave E., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for electrically logging wells. 2,400,678; May 21.
- Arcularius, Charles, New Canaan, Conn., assignor, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Control handle. 2,397,828; Apr. 2.
- Ardco, Thomas E., assignor to Bard-Parker Company, Inc., Danbury, Conn. Internal-combustion engine. 2,412,195; Dec. 10.
- Ardussi, Wallace F.: See—
Landry, and Ardussi.
- Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Tobacco conveyor for cigarette machines. 2,395,089; Feb. 19.
- Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Wrapper sealing mechanism for packaging machines. 2,402,251; June 18.
- Arena, Joseph, Brooklyn, N. Y. Lady's shoe brace. 2,401,400; June 4.
- Arena, Joseph E., U. S. Army, Hammonont, N. J. Weaving apparatus. 2,411,512; Nov. 26.
- Arenco Aktiebolag, assignee: See—
Tolnai, Gabor K.
- Arens Controls Limited, assignee: See—
Turtle, Rupert C., and Reynolds.
- Arsenault, Gilbert H., Dayton, Ohio, assignor to the United States of America, as represented by the Secretary of War. Parachute pack. 2,402,143; June 18.
- Arsee Company Inc., assignee: See—
Chandler, Daniel L.
- Arey, Fred C., and D. E. Hibner, Du Bois, Pa., assignors to Vulcan Soot Blower Corporation. Motor block cleaner. 2,393,215; Jan. 15.
- Arey, Ralph G., Swampscott, Mass. Making jack plugs. 2,401,451; June 4.
- Argonaut Engineering Corp., assignee: See—
Pamphill, George.
- Argus, Incorporated, assignee: See—
Harris, Clinton H.
- Argyle, Christopher S.: See—
Olin, Henry C., Stanley, and Argyle.
- Argyle, Christopher S., Spondon, near Derby, assignor to British Celanese Limited, London, England. Cellulose acetate dyed with monoazo dyes. 2,412,312; Dec. 10.
- Argyris, Stefanos, Detroit, Mich., assignor of two-fifths (forty per cent) to G. Poulis, Washington, D. C. Electric bicycle. 2,397,115; Mar. 26.
- Ariens, Mando S., Brillion, Wis. Tractor and earth working combination unit. 2,402,008; June 11.
- Ariens, Mando S., Brillion, Wis. Tiller frame and support. 2,402,009; June 11.
- Aristo Corporation, assignee: See—
Weston, Bonheur M., and Beall.
- Arlington Mills, assignee: See—
Harding, Frank E.
- Arma Corporation, assignee: See—
Davis, Arthur P.
- Davis, Arthur P., and Agins.
- Davis, Arthur P., and Macomber.
- Arma Engineering Co., Inc., assignee: See—
Agins, George.
- Armcast, Wilbur H., Scarsdale, and D. M. Schoenfeld, assignors to Combustion Engineering Company, Inc., New York, N. Y. Gas turbine plant. 2,404,953; July 30.
- Armagost, Harold C., Temple City, Calif. Ingrown nail correcting device. 2,405,547; Aug. 13.
- Arnaly, John W., Detroit, Mich. Filter pad. 2,399,158; Apr. 30.
- Armandroff, Taft S.: See—
Yates, Edward W., and Armandroff.
- Armantrout, Kenneth, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,397,587; Apr. 2.
- Armstrong, Joseph F., Plymouth, assignor of thirty per cent to A. Shipula, Lyndwood, Hanover Township, and thirty per cent to B. W. Goldberg, Wilkes-Barre, Pa. Volatile liquid vaporizer. 2,397,230; Mar. 26.
- Armstrong, Harry A., Lansdowne, Pa. Demonstration layout planner. 2,405,808; Aug. 13.
- Armstrong, Christopher J., Winfield, assignor to National Pectin Products Company, Cicero, Ill. Grinding apparatus. 2,397,459; Apr. 2.
- Armbruster, Frank, Waverly, and E. Stearns, Columbus, Ohio. First-aid container. 2,409,465; Oct. 15.
- Armentrout, Arthur L., Long Beach, Calif. Speed control drive. 2,400,186; May 14.
- Armentrout, Arthur L., Long Beach, Calif. Control system. 2,400,967; May 28.

- Armington, George E., South Euclid, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Booster steering device. 2,403,325; July 2.
- Armington, Raymond Q., Shaker Heights, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Pulley cleaning construction. 2,412,554; Dec. 17.
- Armington, Stewart F., Willoughby, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Frame for crawler tracks. 2,411,408; Nov. 19.
- Armington, Stewart F., Willoughby, and W. F. Double, Wickliffe, assignors to The Euclid Road Machinery Co., Euclid, Ohio. Tractor-trailer hitch. 2,401,036; May 28.
- Armistead, William H., Jr., assignor to Corning Glass Works, Corning, N. Y. Lead glass having low power factor. 2,393,448; Jan. 22.
- Armistead, William H., Jr., assignor to Corning Glass Works, Corning, N. Y. Barium glass having low power factor. 2,393,449; Jan. 22.
- Armistead, William H., Jr., assignor to Corning Glass Works, Corning, N. Y. Barium-lead glass having low power factor. 2,393,450; Jan. 22.
- Armistead, William H., Jr., assignor to Corning Glass Works, Corning, N. Y. Ultraviolet absorbing glass. 2,409,412; Oct. 15.
- Armitage, Joseph B., Wauwatosa, and H. L. Heywood, assignors to Heurney & Trecker Corporation, West Allis, Wis. Milling machine. 2,392,963; Jan. 15.
- Armitage, Joseph B., and T. F. Eserkahn, Wauwatosa, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis. Automatic indexing mechanism. 2,392,964; Jan. 15.
- Armitage, Joseph B., Wauwatosa, and O. W. Barker, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,407,913; Sept. 17.
- Armour and Company, assignee: *See*—
Corley, Hoyt M.
Josh, George.
Lloyd, Katherine, and Kell.
Potts, Ralph H.
Ralston, Anderson W., Crews, and Colt.
Ralston, Anderson W., and Turinsky.
Siford, Robert H.
Smith, Albert M. and R. W., and Zeigler.
Armour, George L., assignor to American Aniline Products, Inc., New York, N. Y. Dye developer. 2,403,900; July 16.
- Armour Research Foundation, assignee: *See*—
Camras, Marvin.
- Arms, Merton H., and L. J. Barnard, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Grinding machine. 2,410,038; Oct. 29.
- Armstrong Blum Manufacturing Company, assignee: *See*—
Blum, George J.
Armstrong-Bray & Co., assignee: *See*—
Ogard, Helmer.
- Armstrong Cork Company, assignee: *See*—
Abbott, Boyd B.
Almy, Richards.
King, Ellis G.
McGarvey, Alan R.
Paschke, Herbert and Wiley.
Weber, Karl H.
- Armstrong, Earl, assignee: *See*—
Beck, Charles J.
- Armstrong, Edward R., Overbrook, Pa. Submersible seadrome. 2,399,611; May 7.
- Armstrong, Edward R., Philadelphia, Pa. Float. 2,399,656; May 7.
- Armstrong, George C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,397,116; Mar. 26.
- Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overload relay. 2,399,311; Apr. 30.
- Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermostatic overload relay. 2,404,352; July 23.
- Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotor type contactor. 2,408,185; Sept. 24.
- Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overload relay. 2,411,351; Nov. 19.
- Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cut-out. 2,411,352; Nov. 19.
- Armstrong, George C., Wilkinsburg, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Thermostatic relay. 2,412,694; Dec. 17.
- Armstrong, George M., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,413,597; Dec. 31.
- Armstrong, Henry H., Westbrook, Tex. Track lifter and shifter. 2,392,717; Jan. 8.
- Armstrong, James F., Plainfield, N. J. Carburetor. 2,397,520; Apr. 2.
- Armstrong, Leonard J.: *See*—
Bock, L. H., Johnson, and Armstrong.
- Armstrong, Malcolm: *See*—
Annett, Charles E., 2nd.
Armstrong, Nannie C., Corvallis, Oreg. Mattress cover. 2,400,731; May 21.
- Armstrong, Robert E., Ottumwa, Iowa, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Feed mechanism. 2,394,836; Feb. 12.
- Armstrong, Robert W.: *See*—
Dye, Glen M., Sardeson, and Armstrong.
Armstrong Siddeley Motors Limited, assignee: *See*—
Clark, Thomas, and Fellows.
Clark, Thomas, and Lindsey.
Clark, Thomas, Windsor, and Hart.
Heppner, Fritz A. M.
Wills, Henry P.
- Armen Company, assignee: *See*—
Sendzimir, Tadeusz.
- Arndt, Donald G., San Bruno, and S. K. Holt, Sacramento, Calif., assignors to Shell Development Company, San Francisco, Calif. Liquefied gas handling system. 2,400,037; May 7.
- Arndt, Stanley, assignee: *See*—
Berzer, Maurice.
- Arne, Christian, Chicago, Ill. Automatic lock gate. Re. 22,745; Apr. 23.
- Arnold, Alex., La Crosse, Wis. Material treating apparatus. 2,395,090; Feb. 19.
- Arnold, Bernard, Laurel, Md. Collapsible bottle carrier. 2,395,711; Feb. 26.
- Arnold Brilhart Ltd., assignee: *See*—
Brilhart, Arnold.
- Arnold, Edwin B., Pittsburgh, Pa., and V. M. White, Washington, D. C., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Marine friction coupling. 2,393,010; Jan. 15.
- Arnold, Eugene S., Cleveland, Ohio. Valve. 2,401,129; May 28.
- Arnold, George B., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of aromatic hydrocarbons. 2,399,780; May 7.
- Arnold, George B., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of toluene. 2,399,781; May 7.
- Arnold, George B., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Conversion of hydrocarbons. 2,400,732; May 21.
- Arnold, George B., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Separation of aromatic hydrocarbons from hydrocarbon mixtures. 2,400,802; May 21.
- Arnold, George B., Glenham, and H. V. Atwell, Beacon, assignors to The Texas Company, New York, N. Y. Solvent extraction. 2,401,852; June 11.
- Arnold, George B., and H. V. Atwell, Beacon, assignors to The Texas Company, New York, N. Y. Separation of sulphur and aromatic compounds from oil. 2,402,799; June 25.
- Arnold, Gerald D., Wauwatosa, Wis. Closed hammer mill circuits. 2,400,382; May 14.
- Arnold, Harold W., South Bend, Ind. Forming frangible explosive containers and the product so produced. 2,411,862; Dec. 3.
- Arnold, Harold A., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Hose pump. 2,406,485; Aug. 27.
- Arnold, Harold W., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymerization of asymmetrical dihalogenated ethylenes. 2,404,779; July 30.
- Arnold, Harold W., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Trichloroethylene copolymers. 2,408,402; Oct. 1.
- Arnold, Harold W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Conjoint polymerization of vinyl chloride with fumaric esters. 2,404,780; July 30.
- Arnold, Harold W., Wilmington, Del., M. M. Brubaker, Boothwyn, Pa., and G. L. Dorough, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl polymers. 2,404,781; July 30.
- Arnold, Herriek R., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical compounds and processes. 2,402,589; June 25.
- Arnold, Herriek R., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical compounds and processes. 2,402,590; June 25.
- Arnold, Hoffman & Co., Incorporated, assignee: *See*—
Morgan, Willard L.
Morgan, Willard L., and McLeod.
- Arnold, James C.: *See*—
Hunter, Frank B., and Arnold.
- Arnold, James S., Los Angeles, Calif. Polyphase vibratory device. 2,401,600; June 4.
- Arnold, Melvin R., assignor to The Girdler Corporation, Louisville, Ky. Preferential absorption of hydrocarbons. 2,395,529; Feb. 26.
- Arnold, Mervin V., Clay, N. Y., and J. W. Napier, Macon, Ga. Apparatus for applying tread material to tire casings. 2,407,806; Sept. 17.
- Arnold, Orlan M., Troy, N. Y. High-frequency shielding. 2,405,987; Aug. 20.

- Arnold, Stanford N., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Joint. 2,413,308; Dec. 31.
- Arnot, Alfred, Warrington, England, assignor to Aeronautical & Mechanical Investments Limited. Electrically operated distant-control device. 2,408,543; Oct. 1.
- Arnot, Alfred, Warrington, England, assignor to Aeronautical & Mechanical Investments Limited. Electric switch sensitive to small operating movements. 2,408,901; Oct. 8.
- Arnott, Edward G. F.: See—
- Slack, Charles M., and Arnott.
- Arnott, Edward G. F., Upper Montclair, and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series spark gap device. 2,411,241; Nov. 19.
- Arnott, Gerald C.: See—
- Dorothea, Gale, and Arnott.
- Aro Equipment Corporation, The, assignee: See—
- Fitch, Clifford E.
- Ginter, Charles W.
- Glanz, Sjunne W., and Tidd.
- Shearman, Spicer D.
- Aron, M., et al., assignee: See—
- Blomgren, Walter R.
- Aronek, Max, New York City, N. Y. Illuminating compact. 2,392,516; Jan. 8.
- Aronson, Charles N., Niagara Falls, N. Y. Internal combustion engine. 2,394,870; Feb. 19.
- Arotzky, Abraham, Newark, N. J. Clothesline. 2,392,566; Jan. 8.
- Arpin, Helen G.: See—
- Arpin, Leonard G. and H. G.
- Arpin, Leon G., assignee, et al.: See—
- Neumann, Henry T.
- Arpin, Leonard G. and H. G., Montclair, N. J. Undergarment. 2,408,723; Oct. 8.
- Arps, Bruno F. and F. B., assignors to Arps Corporation, New Holstein, Wis. Loading attachment for tractors. 2,391,857; Jan. 1.
- Arps Corporation, assignee: See—
- Arps, Bruno F. and F. B.
- Arps, Frederick B.: See—
- Arps, Bruno F. and F. B.
- Arps, Frederick B., assignor to Arps Corporation, New Holstein, Wis. Dump scoop attachment for tractors. 2,398,991; Apr. 23.
- Arpurth, Charles, Demarest, N. J., assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Armature winding mechanism. 2,394,529; Feb. 12.
- Arrow-Hart & Hegeman Electric Company, The, assignee: See—
- Bentley, Robert H.
- Schleicher, Harold E.
- Arsenaull, Joseph A., Mexico, Maine. Combination ski and snowshoe. 2,410,702; Nov. 5.
- Art Specialty Co., assignee: See—
- Flori, Irving
- Art Metal Construction Company, assignee: See—
- Wells, Roy E.
- Arters, Edward T., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,393,940; Feb. 5.
- Arterton, Alfred W.: See—
- Cotchet, Louis M., Campbell, Stange, and Arterton.
- Arthur, James L., and R. M. Williams, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Cooling system for aircraft engines. 2,411,845; Dec. 3.
- Arthur, John, Camborne, England. Pneumatic tool. 2,398,992; Apr. 23.
- Arthur, Wilbur M.: See—
- Davis, Cecil B., and Arthur.
- Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Revivifying adsorptive material. 2,409,234; Oct. 15.
- Arvey Corporation, assignee: See—
- Roach, Earl M.
- Artz, Louis, Bronx, N. Y. Chair bed. 2,407,864; Sept. 17.
- Artzt, Maurice, Princeton, N. J., assignor to Radio Corporation of America. Oscillation generator. 2,396,224; Mar. 12.
- Artzt, Maurice, Haddonfield, N. J., assignor to Radio Corporation of America. Synchronizing system. 2,398,688; Apr. 16.
- Artzt, Maurice, Haddonfield, N. J., assignor to Radio Corporation of America. Synchronizing device. 2,399,421; Apr. 20.
- Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion process. 2,398,489; Apr. 16.
- Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Production of dust coated materials. 2,399,717; May 7.
- Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Sludge coking. 2,412,667; Dec. 17.
- Arvey Corporation, assignee: See—
- Roach, Earl M.
- Rudy, William D.
- Shaeffer, Harvey E.
- Arvidson, Paul W., Needles, Calif. Mining native copper. 2,404,208; July 16.
- Arvin, Marion J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Variable resistance device. 2,401,037; May 28.
- Arvins, Nathan A., and A. A. Arvintz, Brooklyn, N. Y., assignors to Blazel Corporation. Preheater. 2,396,235; Mar. 12.
- Arvintz, Abraham A.: See—
- Arvins, Nathan A., and Arvintz.
- Asbury, Willard C., Colonia, and M. W. Swaney, Linden, N. J., assignors to Standard Oil Development Company. Removal of alpha acetylenes. 2,401,896; June 11.
- Asch, Abraham B., Jersey City, N. J., assignor to C. E. Fraser, New York, N. Y. Filter bed leveling or scraping means. 2,396,769; Mar. 19.
- Aschenbrener, Rudolph A., assignor to The Triple Insular Corporation, Milwaukee, Wis. Bowling pin setting indicator. 2,408,592; Oct. 1.
- Asdel, Bernard K.: See—
- Barrett, William H., and Asdel.
- Asenco Aktiebolag, assignee: See—
- Von Segeblad, Ernst, and Osterdahl.
- Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,392,627; Jan. 8.
- Ash, Charles S., Milford, Mich. Wheel. 2,397,719; Apr. 2.
- Ash, Charles S., Milford, Mich. Dual wheel vehicle. 2,398,348; Apr. 16.
- Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,398,349; Apr. 16.
- Ash, Harry K., Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y. Removable coating composition. 2,404,353; July 23.
- Ashbaugh, Bernard D.: See—
- Youngblood, Don C., and Ashbaugh.
- Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Plastic sling forming and feeding mechanism. 2,404,474; July 23.
- Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Booster ram adjustment. 2,404,611; July 23.
- Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Hydraulic device for injection or extrusion machines. 2,408,285; Sept. 24.
- Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Booster ram construction. 2,410,001; Oct. 29.
- Ashbaugh, Robert P., and A. G. Hall, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for producing stranded cables. 2,412,198; Dec. 10.
- Ashby, Carl L., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Two temperature evaporator for inert gas type absorption refrigerators. 2,407,733; Sept. 17.
- Ashby, Ernest J., Indianapolis, Ind. Retort type oil burner. 2,409,095; Oct. 8.
- Ashenden, Ernest W., assignor to Wm. Bros. Boiler & Manufacturing Co., Minneapolis, Minn. Rigg for handling drums and barrels. 2,413,280; Dec. 31.
- Ashenfelter, William, Swanton, Ohio. Scaffold horse. 2,410,380; Oct. 29.
- Asher, Marie, Chicago, Ill. Infant's wrapper. 2,399,782; May 7.
- Asher, William J., Colorado Springs, Colo. Laundry machine. 2,407,125; Sept. 3.
- Asher, William J., Colorado Springs, Colo., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Ironing machine. 2,394,421; Feb. 5.
- Ashford, Jack, Jackson Heights, N. Y. Hair curler. 2,410,144; Oct. 29.
- Ashford, John D., Scotland Neck, N. C. Photographic recording apparatus. 2,394,225; Feb. 5.
- Ashkenas, Irving L., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Roll control for airplanes. 2,402,118; June 18.
- Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Defrosting arrangement. 2,392,628; Jan. 8.
- Ashley, Kenneth D., Noroton, and A. O. Jaeger, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Manufacture of catalysts. 2,411,820; Nov. 26.
- Ashlock, George W., Jr., Oakland, Calif. Article orientation. 2,406,311; Aug. 27.
- Ashlock, George W., Jr., Oakland, Calif. Pitting machine. 2,406,738; Sept. 3.
- Ashlock, George W., Jr., Oakland, Calif. Pitting fruit. 2,407,126; Sept. 3.
- Ashmore, Stanley Arthur, and E. E. Penny, London, England. Production of xylene and toluene and other light coal tar oils. 2,395,161; Feb. 19.
- Ashnes, Max, New York, N. Y. Outboard motor convertible for boats or bicycles. 2,392,567; Jan. 8.
- Ashton, Albert A., Houston, Tex., assignor to Emeco Derrick & Equipment Company, Los Angeles, Calif. Drive for triplex pumps. 2,407,392; Sept. 10.
- Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Automatic cutoff pump. 2,405,006; July 30.
- Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Metal bellows accumulator. 2,411,315; Nov. 19.

- Ashton, Benjamin N., Kingston, and N. G. Kling, Great Neck, assignors to Electrical Incorporated, New York, N. Y. Fluid actuated lock cylinder. 2,393,962; Feb. 5.
- Ashton, Benjamin N., Kingston, and N. G. Kling, Great Neck, assignors to Electrical Incorporated, Kingston, N. Y. Unloader valve. 2,397,117; Mar. 26.
- Ashton, Benjamin N., and E. V. Barkov, assignors to Electrical Incorporated, Kingston, N. Y. Control unit and dump valve. 2,406,524; Aug. 27.
- Ashurst, Julian, Westmoreland, Calif. Queen bee shipping and introducing cage. 2,403,840; July 9.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Splitting machine. 2,393,730; Jan. 29.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,399,159; Apr. 30.
- Ashworth, Fred, Wenham, and C. F. Whitaker, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,397,588; Feb. 2.
- Ashworth, Handel, Baldwin, N. Y. Tapping and threading machine. 2,403,484; July 9.
- Ashworth, Robert W., assignor to Hughes Tool Company, Houston, Tex. Treating cutter teeth. 2,407,642; Sept. 17.
- Asiatic Petroleum Company, Limited, The. See—Lubbock, Isaac, Gollin, Lindsay, and Poole.
- Askania Regulator Company, assignee: See—Glass, Paul.
- McCracken, James D.
- Ziebolz, Herbert.
- Ziebolz, Herbert, McCracken, and Gundersen.
- Asköf, Eric E. A., and N. Svartz, Stockholm, and H. C. Willstaedt, Uppsala, assignors to Aktiebolaget Pharmacia, Stockholm, Sweden. Heterocyclic sulphonamide azo compounds. 2,396,145; Mar. 5.
- Astin, Robert W., Ismay, Mont. Hackamore bit. 2,413,426; Dec. 31.
- Askue, Albert R., Mentor, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Rooter for excavators. 2,397,521; Apr. 2.
- Aspin, Frank M., Bury, England. Bearing surface for tapered rotary valves of engines and pumps. 2,403,165; July 2.
- Aspin, Frank M., Bury, England. Driving means for rotary valves of internal-combustion engines, compressors and the like. 2,407,127; Sept. 3.
- Aspinook Corporation, The, assignee: See—Carlsen, Virgo, and Heinrich.
- Carlsen, Virgo, Heinrich, and Ballou.
- Associated Development & Research Corporation, assignee: See—Wallach, Robert S.
- Associated Patentes, Inc., assignee: See—Borton, Alwyn E.
- Associated Spring Corporation, assignee: See—Lewis, James E.
- Zetnick, Paul F.
- Astatic Corporation, The, assignee: See—Collins, Stephen B.
- Coulter, Kenneth L.
- Aston, Earl P., South Charleston, W. Va. Core drill. 2,412,939; Dec. 24.
- Aston, Taggart, Los Angeles, Calif. Floatable substructural caissons and the like. 2,396,226; Mar. 12.
- Astroph, Leon, Montreal, Quebec, Canada. Pyrophoric lighter. 2,393,451; Jan. 22.
- Astrup, William V.: See—Young, Fred M., and Astrup.
- Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerating apparatus. 2,405,392; Aug. 6.
- Ateliers Neyret-Beylier & Piccard-Pictet (Societe Anonyme), assignee: See—Daniel, Pierre F.
- Atha, Hattie B., Akron, Ohio. Scraper utensil. 2,410,192; Oct. 29.
- Attherton, Archie P., Glendale, Calif. Parachute. 2,392,448; Jan. 8.
- Atkins, Carl E., Evanston, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Secret signaling system. 2,404,354; July 23.
- Atkins, Carl E., Evanston, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Secret signaling system. 2,404,355; July 23.
- Atkins, Carl E., Evanston, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Secret signaling system. 2,401,356; July 23.
- Atkins, George T., Jr., Highlands, Tex., assignor to Standard Oil Development Company. Batch distillation. 2,405,393; Aug. 6.
- Atkinson, George: See—Peehukas, Alphonse, and Atkinson.
- Atlantic Coast Fisheries Company, The, assignee: See—Hunt, William H.
- Savrida, Charles M.
- Atlantic Refining Company, assignee: See—Chebot, Vladimir L., and Howe.
- Atlantic Refining Company, The, assignee: See—Barbour, Carroll B.
- Chebot, Vladimir L.
- Ferris, Seymour W.
- Griesinger, William K.
- Griesinger, William K., and Engelking.
- Hersberger, Arthur B.
- Hersberger, Arthur B., and Thompson.
- Taylor, Robert C.
- Atlas, Arthur, Leicester, England. Manufacture of shoes. 2,396,485; Mar. 12.
- Atlas Powder Company, assignee: See—Bonner, Rowland E., and Brewster.
- Djidijs, Alexander.
- Goepf, Rudolph M., Jr.
- Giffin, William C.
- Hill, Roy L.
- Huyett, Daniel D., and Fletcher.
- Huyett, Daniel D., and Pollock.
- Pratt, Carl D., and Farr.
- Atticks, Kelly C., Newton, Mass. Copy holder. 2,401,811; June 11.
- Attinger, Alvin J.: See—Schmitt, Joy B., and Attinger.
- Attwood, Charles W., Wayne, Mich. Drying oven. 2,405,631; Mar. 13.
- Attwood, John G., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,395,663; Feb. 26.
- Attwater, Harry A., assignor to Combustion Equipment Company, Kansas City, Mo. Flame contact unit for burner control systems. 2,396,146; Mar. 5.
- Attwell, Clarence A.: See—Moses, Graham L., and Attwell.
- Attwell, Clarence A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,393,011; Jan. 15.
- Attwell, Clarence A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,393,012; Jan. 15.
- Attwell, Clarence A., Wilkensburg, and N. H. Wilby, Westmoreland, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Commutator cap construction. 2,400,968; May 28.
- Attwell, Harold V.: See—Arnold, George B., and Attwell.
- Attwell, Harold V., Beacon, N. Y., and D. Eastman, Port Arthur, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Separation of aromatic hydrocarbons from hydrocarbon mixtures. 2,403,485; July 9.
- Attwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Catalyst manufacture. 2,408,187; Sept. 24.
- Attwell, Harold V., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Continuous process for effecting catalytic reactions. 2,409,295; Oct. 15.
- Attwell, Harold V., Beacon, and H. H. Gross, Pleasantville, assignors to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,408,186; Sept. 24.
- Attwood, Francis C., Newton, Mass., assignor, by mesne assignments, to National Dairy Products Corporation, New York, N. Y. Forming polymers of alkyl acrylate and resulting product. 2,400,477; May 21.
- Attwood, Francis C., Newton, Mass., assignor, by mesne assignments, to National Dairy Products Corporation, New York, N. Y. Treating synthetically shaped protein base materials. 2,408,026; Sept. 24.
- Attwood, Francis C., Newton, Mass., assignor to National Dairy Products Corporation, New York, N. Y. Treating synthetic proteinaceous fibers. 2,408,027; Sept. 24.
- Attwood, Francis C., Newton, and H. A. Hill, Cambridge, Mass., assignors, by mesne assignments, to National Dairy Products Corporation, New York, N. Y. Producing elastic polymer. 2,398,350; Apr. 16.
- Attwood, Horace, Jr., Belleville, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Linear time base sweep generator. 2,410,920; Nov. 12.
- Attwood, John H., Riverhead, N. Y., assignor to Radio Corporation of America. Circuit for removing noise. 2,398,490; Apr. 16.
- Attwood, John B., Riverhead, N. Y., assignor to Radio Corporation of America. Antenna. 2,401,601; June 4.
- Attwood, Norman R., St. Johnsbury, Vt. Binder for containing a textbook and note sheets. 2,406,785; Sept. 3.
- Attwood Vacuum Machine Company, The, assignee: See—Miller, Kay.
- Benninger, W. Vincent, De Coursey, Bechman, and Benninger.
- Attwood, Wilfrid L.: See—Smith, Horace L., Jr., Conley, and Attwood.
- Atzberger, Frank X., Ridgefield Park, N. J. Water heater. 2,396,810; Mar. 19.
- Aubert, Fred B., Grosse Pointe, Mich. Ignition controlling means. 2,406,185; Aug. 20.
- Aubert, Fred B., Grosse Pointe, Mich. Electron tube circuit. 2,411,078; Nov. 12.
- Aubertin, Ovila J., Matachewan, Ontario, Canada. Fishing rod and reel. 2,410,331; Oct. 29.
- Auburn Burton Works, Inc., assignee: See—Cook, Herbert A., Jr.

- Andrieth, Ludwig F., Dover, N. J. Igniting composition. 2,410,801; Nov. 12.
- Auer, George A., Chicago, Ill. Stream current apparatus for mixing materials. 2,391,858; Jan. 1.
- Auer, Laszlo, South Orange, N. J. Treatment of bituminous material. 2,396,669; Mar. 19.
- Auer, Laszlo, South Orange, N. J. Modifying fatty oils. 2,396,670; Mar. 19.
- Auer, Laszlo, South Orange, N. J. Rosin treatment. 2,396,671; Mar. 19.
- Auer, Laszlo, South Orange, N. J. Treating styrene. 2,403,962; July 16.
- Auer, Laszlo, South Orange, N. J. Waxes. 2,406,336; Aug. 27.
- Auer, Laszlo, South Orange, N. J. Modification of fatty oils. 2,406,337; Aug. 27.
- Auer, Laszlo, South Orange, N. J. Rosin treatment. 2,406,338; Aug. 27.
- Auer, Laszlo, South Orange, N. J. Modification of alkyl resins. 2,410,418; Nov. 5.
- Auer, Laszlo, South Orange, N. J. Sulfur-treated varnish bases. 2,413,281; Dec. 31.
- Auerbach, Abraham, assignor to F. N. Burt Company, Inc., Buffalo, N. Y. Cosmetic container. 2,394,961; Feb. 12.
- Auerbach, Abraham, North Hollywood, Calif., assignor of one-third to S. Lebowitz, Washington, D. C. Mattress construction. 2,412,953; Dec. 24.
- Auerbach, Maurice J., Cleveland Heights, assignor to Standard Vendors, Inc., Cleveland, Ohio. Vending machine. 2,399,612; May 7.
- Auerbacher, Werner F.: See—
Paradise, Lionel P., and Auerbacher.
- Auerham, Alfred B., Brooklyn, N. Y. Universal splint. 2,394,653; Feb. 12.
- Aufferbar, Arthur W.: See—
Groene, William F., and Aufferbar.
- Aufiero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Combined electric heater and air circulator. 2,408,256; Sept. 24.
- Auger, Henry F., assignor of one-half to L. H. Peters, Medford, Mass. Combined envelope and writing sheet. 2,410,858; Nov. 12.
- Augsburger, Dale: See—
Jack, Delbert E., and Augsburger.
- Augustine, Cecil W., Maricopa County, Ariz. Coupling sleeve puller. 2,399,312; Apr. 30.
- Aukers, Albert J., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Cylinder head gasket. 2,395,243; Feb. 19.
- Aukland, Ole, New York, N. Y. Adjustable staging. 2,406,786; Sept. 3.
- Aulenback, Robert L., Shrewsbury, Mass. Safety device for stamping presses. 2,413,282; Dec. 31.
- Aurex Corporation, assignee: See—
Cubert, Joseph H.
- Aurlen, Ray G.: See—
Peycke, Armand H., and Aurlen.
- Ausherman, Harry S., Wichita, Kans. Chain tightening means. 2,409,526; Oct. 15.
- Avslander, Henry, and L. M. Krischer, Brooklyn, N. Y. Closure fastener device. 2,402,939; July 2.
- Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cylinder and piston. 2,392,449; Jan. 8.
- Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,393,950; Feb. 5.
- Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulator. 2,393,951; Feb. 5.
- Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,393,952; Feb. 5.
- Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,397,078; Mar. 26.
- Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulator. 2,408,188; Sept. 24.
- Austin, Dwight E., Kent, Ohio, assignor to General Motors Corporation, Detroit, Mich. Coach body. 2,405,394; Aug. 6.
- Austin, Edwin C., trustee, et al.: See—
Geiger, William A.
- Austin, Ellsworth W.: See—
Choate, Roy E., and Austin.
- Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Excavator. 2,395,244; Feb. 19.
- Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Pusher arm rear-end mounting for earth movers. 2,396,407; Mar. 12.
- Austin, Harley O., Phoenix, Ariz. Engine lifting harness. 2,412,488; Dec. 10.
- Austin, Harold S., Dallas, Tex. Hypodermic syringe. 2,409,656; Oct. 22.
- Austin Motor Company Limited, The, assignee: See—
Charles, Hubert N.
- Austin-Western Company, assignee: See—
Benbow, James D., and Sines.
- Auston, Donald D., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing. 2,392,803; Jan. 15.
- Auten, Jay C.: See—
Baird, Donald J., and Auten.
- Auten, Robert W., Jenkintown, and J. L. Rainey, Abington, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Resinous compositions and process of making same. 2,407,599; Sept. 10.
- Auten, Robert W., Jenkintown, and D. S. Herr, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Process of sorbing ions. 2,412,855; Dec. 17.
- Auto Specialties Manufacturing Company, assignee: See—
Rider, Joseph J.
- Autogiro Company of America, assignee: See—
Campbell, Harris S.
Larsen, Agnew E.
Pitcairn, Harold F.
Stanley, Paul H.
- Autographic Register Company, assignee: See—
Antrim, Louis C., and Schultiz.
Johnson, Arthur A.
- Automatic Burner Corporation, assignee: See—
Fortis, Oscar.
- Automatic Canteen Company of America, assignee: See—
Thompson, Ernest H., Lockhart, and Wolf.
- Automatic Control Corp., assignee: See—
Bower, George D.
Newman, Eric F.
Rodgers, James A.
Yeida, John O.
- Automatic Electric Laboratories, Inc., assignee: See—
Baker, George T.
Burgener, Karl L.
Cabreres, Leonard F., and Markey.
Droel, Louis W.
Gillings, Charles, and Beale.
Gillings, Charles, Beale, and Terroni.
Gillings, Charles, and Murray.
Grandstaff, Otto D.
Herrick, Roswell H.
Horlacher, Albert F.
Kessler, Frank.
King, Raymond B., and Huffman.
Kueca, Barney J.
Mackenzie, John F.
Mullerheim, Kurt.
Oberfell, Herbert F.
Ostline, John E.
Peterson, Edward S.
Pye, Harold C.
Ray, Arthur J.
Rice, Thomas G.
Riebe, Theodore C.
Roseby, Philip N., and Mackenzie.
Taylor, Reginald, and Baker.
Taylor, Reginald, Baker, and Corner.
Voss, John H.
Willis, Bernard D.
Woodruff, Albert E.
Wood, Fredric E.
- Automatic Hinge Co., The, assignee: See—
Burton, Robert A.
- Automatic Locking Devices Incorporated, assignee: See—
Spraragen, Louis.
- Automatic Products Company, assignee: See—
Boerner, Arthur R.
- Automatic Pump & Softener Corporation, assignee: See—
Whitlock, Fred W.
- Automatic Shifters, Inc., assignee: See—
Ingres, Jeannot G.
- "Automatic" Sprinkler Company of America, assignee: See—
Rider, Harry N.
- Automatic Telephone & Electric Company Limited: See—
Cowley, Percy E. A., and Walls.
- Automatic Vending Machine Corporation, assignee: See—
Gustavson, Alvin N.
- Automotive Maintenance Machinery Co., assignee: See—
Mitchell, Wallace F.
- Automotive Products Company, Limited, assignee: See—
Andrews, Vernon E.
Brock, William H. J.
Chouings, Leslie C.
Fischer, Reginald J., and Brock.
McCarty, Lourdes V.
Raich, Alexander J.
Simpson, John K.
Thornhill, Peter W.
- Autophon Aktiengesellschaft Soleure, assignee: See—
Tschumi, Otto.
- Autopoint Company, assignee: See—
Beckstrom, Garfield L.
- Autopulse Corporation, assignee: See—
Eldred, Andrew J.
- Autoxygen Inc., assignee: See—
Kokatur, Vaman R.
- Autry, James A.: See—
Compton, Henry F., and Autry.
- Auyer, Earl L.: See—
Warner, Donald F., and Ayuyer.

- Aveling-Barford Limited, assignee: *See*—Henderson, Walter M.
- Avera, Fitzhugh L.: *See*—Rosefield, Joseph L., and Avera.
- Avery, B. F., & Sons Company, assignee: *See*—Simpson, William F.
- Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Automatic counter reverse mechanism. 2,393,019; Jan. 15.
- Avery, Howard W.: *See*—Boynton, Erwin H., and Avery.
- Avery, Julian M., Shaker Heights, Ohio, and L. F. Marek, Lexington, assignors to Arthur D. Little, Inc., Cambridge, Mass. Making carbon bisulphide. 2,392,629; Jan. 8.
- Avery, Robert C., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 2,397,829; Apr. 2.
- Avery, W. T., Limited, assignee: *See*—Page, Alfred E.
- Avery, William H., Houston, Tex. Spectrometer prism mounting. 2,412,940; Dec. 24.
- Aviation Corporation, The, assignee: *See*—Carpenter, John H.
- Avila, Frank W., Colma, Calif., Ind., assignor to International Harvester Company. Power transmission device. 2,410,921; Nov. 12.
- Avis, Harriette M., administratrix: *See*—Avis, Samuel W.
- Avis, Samuel W., assignor to The Reece Corporation. Sewing machine. 2,405,871; Aug. 13.
- Avison, Anthony W. D., F. Bergel, and J. W. Haworth, assignors to Roche Products Limited, Welwyn Garden City, England. Manufacture of substituted derivatives of 3-ketotetrahydrothiophene. 2,399,974; May 7.
- Avison, Anthony W. D., F. Bergel, and J. W. Haworth, assignors to Roche Products Limited, Welwyn Garden City, England. Manufacture of 4-keto-tetrahydrothiophenes. 2,408,519; Oct. 1.
- Awiszus, Edward J., Detroit, Mich. Folding bed structure. 2,396,550; Mar. 12.
- Ax, Helene, New York, N. Y. Breast support. 2,406,576; Aug. 27.
- Ax, William T.: *See*—Schulze, Walter A., and Ax.
- Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkenylation process. 2,403,963; July 16.
- Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of aromatic derivatives. 2,404,120; July 16.
- Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,404,897; July 30.
- Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reaction of aromatic hydrocarbons with normally gaseous unsaturated hydrocarbons. 2,412,595; Dec. 17.
- Axnix, Eugene J., assignor of fifteen percent to Dan Preger, fifteen percent to David Preger, and fifteen percent to E. Kuzmich, South Bend, Ind. Mail box. 2,407,123; Sept. 3.
- Aycock, John A., Rock Hill, S. C., assignor to Rock Hill Printing & Finishing Company. Slitting machine. 2,400,527; May 21.
- Aycock, Walter F., El Centro, Calif. Trailer structure. 2,404,898; July 30.
- Aydelott, John C.: *See*—Adams, George M., and Aydelott.
- Aydelott, John T., Glendale, Calif. Arch normalizer. 2,413,133; Dec. 17.
- Ayers, Edgar H., Schenectady, N. Y., assignor to General Electric Company. Protective system. 2,398,993; Apr. 23.
- Ayers, Edgar H., Schenectady, N. Y., assignor to General Electric Company. Terminal connector. 2,401,130; May 28.
- Ayers, Edgar H., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,402,866; June 25.
- Ayers, Fred L., Watertown, Mass. Method of and machine for making innersoles. 2,394,740; Feb. 12.
- Ayers, Fred L., Watertown, Mass. Innersole and making the same. 2,398,277; Apr. 9.
- Ayers, Fred L., Watertown, Mass. Innersole and making the same. 2,398,760; Apr. 23.
- Ayers, George W., Chicago, and D. M. Barton, Elmwood Park, assignors to The Pure Oil Company, Chicago, Ill. Removing weakly acidic sulphur compounds from hydrocarbon oil. 2,405,872; Aug. 13.
- Ayers, Joseph W., Easton, Pa., assignor to C. K. Williams & Co. Production of iron oxide. 2,394,579; Feb. 12.
- Ayotte, Joseph R., Chicago, Ill. Safety razor. 2,394,422; Feb. 5.
- Ayres, Reginald J.: *See*—Geiger, Walter J., and Ayres.
- Ayres, Russell W., Evansville, Ind., assignor, by mesne assignments, to Seeger-Sunbeam Corporation. Plasticized refrigerator cabinet. 2,394,134; Feb. 5.
- Azar, John G., Oakland, Calif. Animal trap. 2,402,720; June 25.
- Azbe, Victor J., Webster Groves, Mo. Calculating apparatus. 2,409,527; Oct. 15.
- Azzara, Santo, New York, assignor of fifty per cent to Andrew Geller Shoe Manufacturing Co., Inc., Brooklyn, N. Y. Cutting die with variable contour. 2,411,016; Nov. 12.
- B. B. Chemical Co., assignee: *See*—Harrington, Valentine F.
- B. B. Chemical Co., assignee: *See*—Nugent, Frederick V.
- B. B. Chemical Co., assignee: *See*—Perkins, John L.
- B. B. Chemical Co., assignee: *See*—Sprague, Stanley L.
- B. & B. Flotation Company, assignee, trustee: *See*—Brown, James B.
- B. F. B. Engineers, Incorporated, assignee: *See*—Bucht, Conrad R.
- B-L Electric Manufacturing Company, assignee: *See*—Peters, Carl E.
- R and W, Inc., assignee: *See*—Wright, Kenneth A.
- B-W Superchargers, Inc., assignee: *See*—McCulloch, Robert P., and Ryde.
- Baack, William R., Long Island City, assignor to Coston Supply Company, Inc., New York, N. Y. Liesaving device. 2,404,681; July 23.
- Baade, Henry, Ipsilanti, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Braking system. Re. 22,802; Oct. 15.
- Baak, Albert E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Liquid level responsive means. M. 394,885; Feb. 12.
- Baar, Max E., Canton, Ohio. Container closure. 2,394,135; Feb. 5.
- Babbitt, Bethel J., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Optical quartz crystal testing apparatus. 2,410,621; Nov. 5.
- Babbitt, Daniel R., and E. T. Hewitt, San Francisco, Calif., assignors to Electric Steel Foundry, Portland, Ore. Retort tube for furnaces. 2,392,450; Jan. 8.
- Babcock, Earl, Duncan, Okla., assignor to The Hoover Company, North Canton, Ohio. Room cooling device. 2,391,859; Jan. 1.
- Babcock, Garrison, Seattle, Wash. Telephone system. 2,397,079; Mar. 26.
- Babcock, Gordon M., Louisville, Ky., assignor to Reynolds Metals Company, New York, N. Y. Nonleaking aluminum pails and making same. 2,393,731; Jan. 29.
- Babcock, Henry H., Oak Park, assignor to Conlon Corporation, Cicero, Ill. Ironing machine. 2,413,427; Dec. 31.
- Babcock, Lloyd L.: *See*—Bishop, James O., and Babcock.
- Babcock, Lloyd L.: *See*—Stevenson, Lawrence J., and Babcock.
- Babcock, Stuart M., Chatham, A. W. Horton, Jr., South Orange, and M. A. Logan, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,396,072; Mar. 5.
- Babcock & Wilcox Company, The, assignee: *See*—Bailey, Ervin G.
- Babcock & Wilcox Company, The, assignee: *See*—Cassidy, Perry C.
- Babcock & Wilcox Company, The, assignee: *See*—Fletcher, James.
- Babcock & Wilcox Company, The, assignee: *See*—Hartnett, George J., Jr., and Ziegler.
- Babcock & Wilcox Company, The, assignee: *See*—Harvey, James L.
- Babcock & Wilcox Company, The, assignee: *See*—Kerr, Howard J.
- Babcock & Wilcox Company, The, assignee: *See*—Leach, Lester L.
- Babcock & Wilcox Company, The, assignee: *See*—Mason, Jacob A.
- Babcock & Wilcox Company, The, assignee: *See*—Maxwell, Carl A.
- Babcock & Wilcox Company, The, assignee: *See*—Quarfordt, Nils G.
- Babson Bros. Co., assignee: *See*—Babson, Henry B.
- Babson Bros. Co., assignee: *See*—Crawford, Thomas B., and Vilbig.
- Babson, Henry B., Chicago, Ill., assignor to Babson Bros. Co. Milk support. 2,412,197; Dec. 10.
- Babson, Henry B., Chicago, and C. A. Thomas, Crystal Lake, Ill., assignors, by mesne assignments, to Losee Products Co. Water heater. 2,408,403; Oct. 1.
- Bach, Adolf, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Gyroscope. 2,410,002; Oct. 29.
- Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Multiple crystal holder. 2,409,607; Oct. 22.
- Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Crystal holder. 2,410,193; Oct. 29.
- Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Piezo-crystal holder. 2,412,438; Dec. 10.
- Bachle, Carl P., Grosse Pointe, assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Cylinder head. 2,395,712; Feb. 26.
- Bachman, Charles H., Scotia, N. Y., assignor to General Electric Company. Electron lens system. 2,400,331; May 14.
- Bachman, Charles H., Scotia, N. Y., assignor to General Electric Company. Self-adjusting electrode support. 2,400,332; May 14.

- Bachman, Charles H., Scotia, N. Y., assignor to General Electric Company. Electron microscope. 2,408,287; Sept. 24.
- Bachman, Fred E.: *See*—
Cottrell, Robert B., and Bachman.
- Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,399,535; Apr. 30.
- Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Shock strut. 2,399,846; May 7.
- Back, Frank G., New York, N. Y. Apparatus for cooling extruded plastics. 2,399,422; Apr. 30.
- Back, M. F., trustee, assignee, et al.: *See*—
Geiger, William A.
- Back, M. F., trustee, et al.: *See*—
Geiger, William A.
- Back, Robert, assignor to Bert M. Morris Co., Los Angeles, Calif. Hooded feed bar for pens. 2,403,703; July 9.
- Backman, Eric W., Chicago, Ill. Combination storm and screen window. 2,398,511; Apr. 16.
- Backstrom, Adolph, Hempstead, N. Y. Airplane wheel attachment. 2,410,622; Nov. 5.
- Bacus, Thomas, Peoria, Ill., and C. H. Parrish, Jr., assignors to Fuller Manufacturing Co., Kalamazoo, Mich. Remote control for automotive vehicle transmissions. 2,399,613; May 7.
- Bacon, Henry M., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Spinning cut for textile fiber processing. 2,393,953; Feb. 5.
- Bacon, Henry M., and A. L. Freidlander, assignors to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Long draft spinning apron. 2,402,356; June 18.
- Bacon, Leslie R.: *See*—
Tremaine, Henry E., and Bacon.
- Wegst, Walter F., Bacon, and McNabney.
- Bacon, Osborne C., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flameproof organic fibrous material and composition therefor. 2,413,163; Dec. 24.
- Bacon, Raymond P., Bronxville, and R. Fanelli, New Rochelle, assignors to Texas Gulf Sulphur Company, New York, N. Y. Rubberlike products. 2,410,595; Nov. 5.
- Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,392,536; Jan. 6.
- Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,406,787; Sept. 3.
- Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph switching system. 2,412,198; Dec. 10.
- Bacon, Walter M., New York, N. Y., and W. R. Young, Jr., Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph switching system. 2,412,955; Dec. 24.
- Bacwell Enterprises Incorporated, assignee: *See*—
Wellman, Katharine.
- Bade, Alfred G., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Variable-speed transmission. 2,403,627; July 9.
- Badenhausen, Bayard, assignee: *See*—
Badenhausen, John P.
- Badenhausen, John P., Philadelphia, Pa. Steam generator furnace. 2,391,860; Jan. 1.
- Badenhausen, John P., Philadelphia, Pa. Steam generating system. 2,395,951; Mar. 5.
- Badenhausen, John P., assignor to one-half to B. Badenhausen, Philadelphia, Pa. Steam generator. 2,412,115; Dec. 3.
- Badenhausen, John P., Philadelphia, Pa., assignor of one-half to B. Badenhausen. Steam generator. 2,412,856; Dec. 17.
- Badertscher, Darwin E.: *See*—
Berger, Henry G., and Badertscher.
- Badertscher, Darwin E., Woodbury, and R. B. Bishop, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Resinous condensation product of formaldehyde and aromatic petroleum fraction. 2,397,398; Mar. 26.
- Badertscher, Darwin E., and H. G. Berger, Woodbury, and R. B. Bishop, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of resinous materials. 2,406,339; Aug. 27.
- Badham, Philip W.: *See*—
Powell, Ernest F., and Badham.
- Badmaieff, Alexis: *See*—
Reiskind, Hillel I., and Badmaieff.
- Badmaieff, Alexis, Indianapolis, Ind., assignor to Radio Corporation of America. Electrical filter. 2,397,772; Apr. 2.
- Baer, Massimo, Plainfield, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Dielectric composition. 2,403,205; July 2.
- Baer, Massimo, Plainfield, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Dielectric composition and making same. 2,403,206; July 2.
- Bagan, John P., Portland, assignor of one-third to A. R. Wanasek, Marshfield, Ore. Rotary tiller. 2,408,361; Oct. 1.
- Bagan, John P., Portland, assignor of one-third to A. R. Wanasek, Marshfield, Ore. Spiral cutter for rotary plows. 2,410,003; Oct. 29.
- Baggett, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Toy vehicle. 2,399,614; May 7.
- Bagley, Ronald D., Indiana, Pa., and J. E. Berman, Suffolk, Va. Airborne cargo truck. 2,409,181; Oct. 15.
- Bagne, Paul T., assignor of one-half to L. M. Fleming, Kenmore, N. Y. Rotary cutter. 2,398,763; Apr. 23.
- Bagno, N. V.: *See*—
Baker, Webster N.
- Baker, Webster N.
Clayton, Harry E.
- Bagshaw, Charles M.: *See*—
Gardner, Frank, and Bagshaw.
- Bagshaw, Charles M., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Counter pasting machine. 2,404,345; July 23.
- Bagshaw, Charles M., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Counter pasting machine. 2,403,543; Aug. 13.
- Bagwell, Omar C., assignor to International Standard Electric Corporation, New York, N. Y. Electrolysis switch. 2,395,833; Mar. 5.
- Bahlke, William H., Chicago, and M. T. Carpenter, Flossmoor, assignors to Standard Oil Company, Chicago, Ill. Acetylene process. 2,405,895; Aug. 6.
- Bahls, Walter E., assignor to Radio Corporation of America, Haddonfield, N. J. Electron discharge device. 2,400,164; Oct. 15.
- Baia, Philip, Highland Park, Mich. Film splicer. 2,392,965; Jan. 15.
- Baia, Philip, Highland Park, Mich. Rewind device. 2,392,966; Jan. 15.
- Bair, Sydney W., Putney, London S. W. 15, England, assignor by mesne assignments, to The City Auto Stamping Company, Toledo, Ohio. Electrodeposition of tin alloys. 2,397,522; Apr. 2.
- Bailey, A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Harmonic control system. 2,397,830; Apr. 2.
- Bailey, Carl G., Staunton, Va. Pie pan lifter. 2,398,129; Apr. 9.
- Bailey, Donald, Puritan Mines, W. Va. Flexible loading pan. 2,410,561; Nov. 5.
- Bailey, Donald C., Middletown, Conn. Sheathed knife clasp. 2,398,764; Apr. 23.
- Bailey, Edgar L.: *See*—
Gillman, Henry W., and Bailey.
- Bailey, Edward T. W., Hamilton, Ontario, Canada. Floor waxing device. 2,394,585; Feb. 12.
- Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Jersey City, N. J. Steam generator. 2,397,535; Apr. 2.
- Bailey, Grant C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of olefin-containing mixtures. 2,403,779; July 9.
- Bailey, Grant C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of olefin polymers. 2,400,727; Oct. 22.
- Bailey, Haskell, Tulsa, Okla. Adjustable stop for lathe spindles. 2,398,278; Apr. 9.
- Bailey, James: *See*—
Wiley, Fred E., Canfield, Jesionowski, and Bailey.
- Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Method of and apparatus for forming tubes of organic plastic material. 2,398,876; Apr. 23.
- Bailey, James, West Hartford, and R. S. Jesionowski, assignors to Plax Corporation, Hartford, Conn. Apparatus for shaping plastics by extrusion. 2,393,452; Jan. 22.
- Bailey, James, West Hartford, and H. A. Pratt, assignors to Plax Corporation, Hartford, Conn. Longitudinal slipper die for extruding organic plastics. 2,399,615; May 7.
- Bailey, John J., assignee: *See*—
De Gruchy, Ernest D.
- Bailey Meter Company, assignee: *See*—
Barnes, Frederick A.
Hornbeck, Anthony J.
Johnson, Clarence.
Ryder, John D., and Hornbeck.
- Bailey, Ray V., assignee: *See*—
Hill, Gilbert H.
- Bailey, Robert A., Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Aerial torpedo. 2,401,853; June 11.
- Bailey, Theodore, Habana, Cuba. Flour sifter. 2,393,453; Jan. 22.
- Bailey, Theodore, Habana, Cuba. Sugar dispenser. 2,393,454; Jan. 22.
- Bailey, Walter T., Fox Chase, Philadelphia, assignor to Stokes & Smith Company, Philadelphia, Pa. Apparatus for production and application of reinforcing elements. 2,399,616; May 7.
- Bailey, Walter T., assignor to Stokes and Smith Company, Philadelphia, Pa. Adhesive applying apparatus. 2,402,273; June 11.
- Bailey, William A., Jr.: *See*—
Greensfelder, Bernard S., and Bailey.
- Bailey, William A., Jr., Oakland, and W. H. Peterson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated ketones. 2,393,510; Jan. 22.

- Bailey, William A., Jr., Oakland, and C. W. Bittner, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Stabilized alumina and preparation thereof. 2,398,610; Apr. 16.
- Bailey, William A., Jr., and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Gasoline and the production thereof. 2,407,052; Sept. 3.
- Bailey, William A., Jr., Wilmington, and J. Burgin, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons and the preparation of catalysts therefor. 2,407,914; Sept. 17.
- Bailey, William F., Port Washington, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Television signal-translating system. 2,404,939; July 30.
- Bailey, William H., Pueblo, assignor to The Colorado Fuel & Iron Corporation, Denver, Colo. Method and machine for profiling masses of material. Re. 22,737; Apr. 2.
- Bailey, William M., Company, assignee: See—Bowman, Andrew.
- Bailhe, George, Brooklyn, N. Y. Combination cushion and life preserver. 2,405,484; Aug. 6.
- Bailie, James C., Chicago, Ill., L. Heard, Hammond, Ind., and R. V. Shankland, assignors to Standard Oil Company, Chicago, Ill. Conversion catalyst. 2,404,024; July 16.
- Bailie, James C., and R. V. Shankland, assignors to Standard Oil Company, Chicago, Ill. Toluene process. 2,408,724; Oct. 8.
- Baillieres, Edna C., Warren, Ohio. Toy and ball casing. 2,407,734; Sept. 17.
- Bailly, Leon, assignor to The International Furnace Equipment Company Limited, Aldridge, England. Apparatus for concentrating sulphuric acid and other liquids. 2,392,219; Jan. 1.
- Bally, Thaddeus F., Canton, Ohio. Reducing iron ores. 2,395,029; Feb. 19.
- Bain, John C., West Orange, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Concentric conductor transmission line. 2,410,802; Nov. 12.
- Bair, George J., Pittsburgh, assignor to N. S. Garbisch, Butler, Pa. Forming silicious bodies. 2,392,568; Jan. 8.
- Baird, Donald A., Detroit, and J. C. Auten, Royal Oak, assignors to Chrysler Corporation, Highland Park, Mich. Clutch. 2,402,527; June 25.
- Baird, John B., assignor to Hudson Engineering Corporation, Houston, Tex. Forced draft cooling tower. 2,403,841; July 9.
- Baird, John B., and P. E. Dearmin, assignors to Hudson Engineering Corporation, Houston, Tex. Mist eliminator. 2,400,623; May 21.
- Baird, William, B. J., Harewood, D. A. Harper, and J. A. Hendry, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Synthetic rubber-like materials. 2,397,399; Mar. 26.
- Baird, William J., Birmingham, and W. N. Sparks, Inkster, Mich. Plate forming apparatus. 2,409,096; Oct. 8.
- Bakal, Leslie G., Richmond, Va. Device for lubricating monotype keyboards. 2,406,651; Aug. 27.
- Bakelite Corporation, assignee: See—Brannon, James L., and Mraz.
- Butler, William H.
- Daniels, Rupers S.
- Mazzucchelli, Arthur P.
- Mollinari, Vittorio.
- Myers, Clayton S.
- Xuyge, Victor.
- Baker, Allister L., assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting machine. 2,400,733; May 21.
- Baker, Arthur L. B., Sevenoaks, England. Marine structure. 2,398,351; Apr. 16.
- Baker, Arthur W., Lookout Mountain, Tenn. assignor to Hercules Powder Company, Wilmington, Del. Waterproof explosive cartridge. 2,408,189; Sept. 24.
- Baker, Benjamin P.: See—Ludwig, Leon R., and Baker.
- Ludwig, Leon R., Baker, and Bakken.
- Ludwig, Leon R., Leeds, and Baker.
- Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,412,857; Dec. 17.
- Baker, Benjamin P., and H. J. Webb, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Valve mechanism for compressed gas circuit interrupters. 2,411,356; Nov. 19.
- Baker, Benjamin P., Turtle Creek, and W. M. Leeds, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,412,858; Dec. 17.
- Baker, Charles E., Oakland, Calif. Plate grapple. 2,412,555; Dec. 17.
- Baker, Chester L., Narberth, and R. H. Sams, Upper Darby, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa. Dispersible soya compositions. 2,392,302; Jan. 8.
- Smith, C. O., Inc., assignee: See—Smith, C. O., Inc.
- Baker & Company, Inc., assignee: See—Maddock, Charles B.
- Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,410,859; Nov. 12.
- Baker, David B., Riverside, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Tractor frame and drive shaft bearing structure therefor. 2,397,910; Apr. 9.
- Baker, David B., Riverside, and C. R. Hagen, Chicago, Ill., assignors to International Harvester Company. Cotton harvester. 2,399,718; May 7.
- Baker, David B., Riverside, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Bearing lubrication. 2,403,326; July 2.
- Baker, David S., New York, N. Y. Method and apparatus of treating materials. 2,412,763; Dec. 17.
- Baker, Frank H., Chicago, Ill. Applicator for adhesives. 2,397,080; Mar. 26.
- Baker, George T.: See—Taylor, Reginald, and Baker.
- Taylor, Reginald, Baker, and Corner.
- Baker, George T., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,402,232; June 18.
- Baker, Granville M.: See—Harris, Albert B., and Baker.
- Baker, Henry L.: See—Bowman, William A., and Baker.
- Baker, Henry M.: See—Waller, Fred, Dresser, and Baker.
- Baker, James D.: See—Hamilton, Clarence R., King, and Baker.
- Baker, James F., Troy, and A. E. La Mora, Cohoes, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Apparatus for and method of folding and stitching needles. 2,398,081; Mar. 26.
- Baker, John S., Los Angeles, Calif. Automatic can feeding means. 2,402,144; June 18.
- Baker, Karl V., Malaga, Ohio. Combination valve and water adapter for fire tubes. 2,400,969; May 28.
- Baker, Lewis F., Southport, Conn. Plug and socket connector. 2,404,682; July 23.
- Baker Manufacturing Company, The, assignee: See—Washbond, Harry H.
- Baker, Martin S., Evansville, assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,403,039; July 2.
- Baker, Melyn E., Portland, Ore. Extensible ladder. 2,396,034; Mar. 5.
- Baker, Norman G., Leavenworth, Kans. Diesel engine. 2,412,028; Dec. 3.
- Baker, Norman G., Laredo, Tex. Diesel engine. 2,412,029; Dec. 3.
- Baker Oil Tools, Inc., assignee: See—Baker, Reuben C.
- Glover, Robert C., and Childers.
- Baker Perkins Limited, assignee: See—Bowker, Harry W.
- Palmer, Austin R.
- Tunley, Allan A.
- Baker, Philip J., Jr., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Phenyl sulphonyl esters of nitro alcohols. 2,395,386; Feb. 26.
- Baker, Philip J., Jr., Terre Haute, Ind., assignor to Commercial Solvents Corporation. Phenyl sulphonyl diesters of nitro alcohols. 2,412,116; Dec. 3.
- Baker, Philip J., Jr., Terre Haute, Ind., assignor to Commercial Solvents Corporation. Phenyl sulphonyl triesters of nitro alcohols. 2,412,117; Dec. 3.
- Baker-Rauling Company, The, assignee: See—Hawkins, Paul E.
- Stoner, Frank.
- Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Lock devices for well tools. 2,400,909; Mar. 28.
- Baker, Richard F.: See—Hillier, James, and Baker.
- Baker, Robert D., Birmingham, Mich. Paving machine. 2,393,954; Feb. 5.
- Baker, Robert H., Munster, Ind. Defroster for ice cube trays. 2,410,194; Oct. 29.
- Baker, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic induction heating of thin-walled nonmagnetic metallic tubes. 2,408,190; Sept. 24.
- Baker-Ross, Inc., assignee: See—Negovan, Albert, Stratton, and Roggie.
- Baker, Thomas T., Pinner, England. Manufacture of photographic emulsions. 2,403,327; July 2.
- Baker, Thomas T., Pinner, assignor to Dacrematt Limited, London, England. Preparing photographic emulsion for transport. 2,413,207; Dec. 24.
- Baker, Webster N., Baldwin, N. Y., assignor to Bagpak, Inc. Bag closure. 2,391,938; Jan. 1.
- Baker, William E., Swanton, Ohio. Apparatus for pumping and atomizing liquid fuel. 2,412,383; Dec. 10.
- Bakewell, Harding P., San Marino, Calif. Rotary cutting tool. 2,400,187; May 14.
- Bakke, Hans A., Swampscott, Mass., assignor to General Electric Company. One-way drive with magnetic lock. 2,409,009; Oct. 8.
- Baker, Robert, assignor of one-half to G. E. Swahn, Minneapolis, Minn. Welding glove. 2,394,136; Feb. 5.

- Bakken, Andrew H.: *See*—
Ludwig, Leon R., Baker, and Bakken.
- Bakken, Hans H., Pueblo, Colo. Lumber splicing implement. 2,392,898; Jan. 15.
"Balab." assignee: *See*—
- Larsen, Ludolph H.
- Balassa, Ladislav, Swarthmore, Pa. and R. A. McGlone, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions for use in preparing photo-templates. 2,393,583; Jan. 29.
- Balbi, Valentino L., South San Francisco, Calif. Garbage truck. 2,393,732; Jan. 29.
- Balcar, Frederick R., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of acrylic nitrile. 2,392,303; Jan. 8.
- Balcar, Frederick R., Stamford, Conn., assignor, by mesne assignments, to U. S. Industrials Chemicals, Inc., New York, N. Y. Extraction of glycerine from fermentation residues. 2,392,569; Jan. 8.
- Bald, William, Lowell, Ind., assignor to American Can Company, New York, N. Y. Drying oven. 2,395,634; Mar. 5.
- Baldanza, Nicholas T., Rutherford, and A. J. Desimone, Lyndhurst, assignors to Columbia Protektosite Co., Inc., Carlstadt, N. J. Knockdown coat hanger. 2,392,080; Jan. 1.
- Baldenhofer, William G., assignor to The Thompson Grinder Company, Springfield, Ohio. Cooling system for hydraulically operated machine tools. 2,396,147; Mar. 5.
- Baldeschwieler, Emile L., Cranford, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Inhibiting corrosion of aluminum. 2,396,236; Mar. 12.
- Baldo, Louie: *See*—
Morrow, David.
- Baldocchi, Archie A., San Francisco, Calif. Navigation computer. 2,394,226; Feb. 5.
- Baldsiefen, Walter D.: *See*—
Blake, Ralph K., and Baldsiefen.
- Baldout, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Frame member. 2,410,922; Nov. 12.
- Baldwin, Alfred W., N. W. Cusa, and H. Worthington, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of surface-active compounds. 2,406,186; Aug. 20.
- Baldwin, Charles F., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric crystal mounting. 2,412,030; Dec. 3.
- Baldwin, Clyde P., Claremont, N. H., and H. H. Vanderzee, Michigan City, Ind., assignors to Sullivan Machinery Company. Mining apparatus. 2,396,237; Mar. 12.
- Baldwin Company, The, assignee: *See*—
Kock, Winston E.
- Baldwin, Elmer W., Bassett, Nebr. Powered loading truck. 2,411,183; Nov. 19.
- Baldwin, Francis P.: *See*—
Thomas, Robert M., and Baldwin.
- Baldwin, Glenn W., South Gate, Calif., assignor to C. E. Hovey, trustee, Kansas City, Mo. Tractor attachment for loading and transporting materials. 2,393,877; Jan. 29.
- Baldwin, Hazel M., administratrix: *See*—
Baldwin, Herbert W.
- Baldwin, Herbert W., deceased, Inglewood, Calif.; by Hazel M. Baldwin, Glendale, administratrix, assignor to North American Aviation, Inc., Inglewood, Calif. Cow fastener. 2,392,718; Jan. 8.
- Baldwin Locomotive Works, The, assignee: *See*—
Barbour, James P.
Collins, Paul C.
Corby, Joseph E.
Link, Harry W.
Porteus, John H.
Ruge, Arthur C.
Staples, Dana R.
Tapper, Thomas P.
- Baldwin, Millard W., Jr., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Deflecting circuit. 2,393,601; Jan. 29.
- Baldwin, Wayne A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,405,632; Aug. 13.
- Baldwin, Wayne A., Watertown, N. Y., assignor to The New York Air Brake Company. Sander. 2,490,728; Oct. 22.
- Baldwin, William J., Glen Ellyn, assignor to Crane Co., Chicago, Ill. Coating compound. 2,396,979; Mar. 19.
- Bale, Goldie M., executrix: *See*—
Yandell, William H.
- Balfe, George T., assignor to Detroit Gasket & Mfg. Company, Detroit, Mich. Window run. 2,398,400; Apr. 16.
- Balkin, Mark, Benham, assignor to The Sillick Holding Company Limited, Newcastle-upon-Tyne, England. Hose and manufacture thereof. 2,392,967; Jan. 15.
- Ball, Albert I.: *See*—
Kirchner, Henry P., and Ball.
- Ball, Albert L., Lewiston, N. Y., assignor, by mesne assignments, to United Cotton Products Company, Fall River, Mass. Abrasive belt. 2,404,207; July 16.
- Ball, Albert P., Detroit, Mich. Watering device for fowl. 2,407,216; Sept. 10.
- Ball, Albert P., assignor, to Briggs Manufacturing Company, Detroit, Mich. Vehicle body. 2,410,332; Oct. 29.
- Ball, Charles F.: *See*—
Russell, John D., Ball, and Knoizen.
- Ball, Joseph A., Los Angeles, assignor to Max McGraw, doing business as McGraw Colorgraph Company, Burbank, Calif. Registration process and apparatus. 2,399,975; May 7.
- Ball & Socket Manufacturing Co., The, assignee: *See*—
Ball, Leslie W.
- Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Injection nozzle. 2,407,915; Sept. 17.
- Balla, John, Sr., Schenectady, N. Y. Machine for coiling metal stock. 2,404,424; July 23.
- Balak, John F., St. Louis, Mo. Wing nut. 2,399,090; Apr. 23.
- Ballantyne, Roy A., Detroit, Mich. Apparatus for washing films. 2,399,617; May 7.
- Ballard, Albert E., Oak Ridge, Tenn., and L. E. Martinson, assignors to Eastman Kodak Company, Rochester, N. Y. Purification of lanthanum salts. 2,394,686; Feb. 12.
- Ballard, Herman E., Berkeley, Calif. Plastic packing. 2,403,166; July 2.
- Ballard, Herman E., Berkeley, Calif. Lubricant. 2,403,167; July 2.
- Ballard, J. D., Fort Worth, Tex. Intermixing device. 2,409,339; Oct. 15.
- Ballard, John H.: *See*—
Anderson, John E., Ballard, and Potter.
- Ballard, Kermit H., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrical capacitor. 2,395,442; Feb. 26.
- Ballard, Kermit H., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of electrical capacitors. 2,399,313; Apr. 30.
- Ballard, Kermit H., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lead connection for electrical apparatus. 2,413,539; Dec. 31.
- Ballard, Seaver A.: *See*—
Haury, Vernon E., and Ballard.
- Ballard, Seaver A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Paraffin alkylation process. 2,396,486; Mar. 12.
- Ballard, Seaver A., Oakland, and V. E. Haury, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Production of isophorone and related products. 2,399,976; May 7.
- Ballard, Seaver A., Berkeley, and V. E. Haury, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Ketols from isophorones and homologues thereof. 2,406,652; Aug. 27.
- Ballard, Seaver A., and J. A. Perona, Oakland, assignors to Shell Development Company, San Francisco, Calif. Rubber tackifier. 2,410,623; Nov. 5.
- Ballard, Seaver A., Oakland, and D. E. Winkler, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of alicyclic ketonic compounds. 2,413,598; Dec. 31.
- Ballard, William C., Jr., Ithaca, N. Y., E. Coron, Pawtucket, and W. Cepck, Providence, R. I., assignors to Gasard Patents Inc., New York, N. Y. Starting switch. 2,400,624; May 21.
- Ballard, William E., Harborne, Birmingham, assignor to Metallisation Limited, Dudley, England. Metal spraying apparatus. 2,411,408; Nov. 19.
- Ballev, Jean M., assignee, et al.: *See*—
Campbell, Charles A.
- Ballou, B. A., & Co., Inc., assignee: *See*—
Morehouse, Eugene.
- Ballou, Dona L.: *See*—
Carlsen, Viggo, Heinrich, and Ballou.
- Balmfirth, Alfred, deceased, by D. V. and F. V. Balmfirth, Montreal, Quebec, and O. R. B. Collins, Toronto, Ontario, Canada, heirs. Grate and grate bars. 2,399,618; May 7.
- Balmfirth, Dorothy B., heir: *See*—
Balmfirth, Alfred.
- Balmfirth, Frances V., heir: *See*—
Balmfirth, Alfred.
- Baltimore Paper Box Co., The, assignee: *See*—
Benham, Albert E.
- Bambas, Louis L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Sulphones and preparing same. 2,404,560; July 23.
- Bamberger, Curt, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Acid anthraquinone dyesulf. 2,400,188; May 14.
- Bancroft, Dennison, U. S. Navy, Cabin John, Md. Switch. 2,396,672; Mar. 19.
- Bancroft, Dennison, Cabin John, Md., and R. W. Goranson, Washington, D. C. Dynamic pressure gauge. 2,395,491; Apr. 16.
- Bandur, Adolph E., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic body. 2,412,668; Dec. 17.
- Bandy, Alvin M., Ganado, Tex. Side-wall production tester. 2,391,869; Jan. 1.

- Bangham, Donald H., London, J. G. Bennett, Kingston-Thames, R. L. Brown, Liverpool, W. Hirst, Kingston-Thames, M. Pirani, Kingston Hill, and G. C. Phillips, assignors to C. D. Patents Limited, London, England. Manufacture of molded articles. 2,404,208; July 16.
- Banister, James G., Chicago, Ill. Accessory device for typewriters. 2,392,517; Jan. 8.
- Banker, Oscar H., Evanston, Ill. Making roller cages. 2,409,286; Oct. 15.
- Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Electric transmission apparatus and control. 2,394,580; Feb. 12.
- Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Transmission. 2,399,657; May 7.
- Banker, Russell E., Washington, D. C. Single knob variable density filter control. 2,399,658; May 7.
- Banks, Joseph L., Baltimore, Md., assignor to J. L. Schilling, J. C. Doig, and I. G. Rubin, doing business as J. L. Schilling Co. Toy typewriter. 2,409,237; Oct. 15.
- Banks, William B.: See—
Feeney, Joseph C., and Banks.
- Bankson, William R., Pittsburgh, Pa. Mail box fitting. 2,405,730; Aug. 13.
- Banner, Joseph, Los Angeles, Calif. Twist drill sharpener. 2,408,544; Oct. 1.
- Banner, Joseph T., Cleveland, Ohio. Elongation gauge. 2,392,899; Jan. 15.
- Bannerman, Gordon H., Hamden, Conn., assignor to The American Steel and Wire Company of New Jersey. Torpedo net. 2,404,612; July 23.
- Bannerman, Gordon H., Worcester, and J. M. Curran and G. H. Trout, Omaha, Neb., assignors to American Steel and Wire Company of New Jersey. Applying a fitting to ropes. 2,412,841; Dec. 24.
- Banneker, Joseph, Chicago, Ill. Conduit supporting device. 2,407,217; Sept. 10.
- Banning, Alfred J., assignor to A. C. Wickman Limited, Coventry, England. Hydraulic mechanism. 2,403,328; July 2.
- Bannister, Bryant, Oil City, Pa., assignor to Oil Well Supply Company, Cathedra. 2,391,939; Jan. 1.
- Bannon, John H., Union, and H. N. Mims, Cranford, N. J., assignors to Standard Oil Development Company. Surface coating for packaging polymers. 2,403,964; July 16.
- Bannon, Joseph J., Jr.: See—
Kew, Frank R., and Bannon.
- Bannow, Rudolph F., Easton, Conn. Adapter with swivel joint. 2,404,561; July 23.
- Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Automatic control equipment. 2,409,010; Oct. 8.
- Bany, Herman, Lansdowne, and A. W. Bateman, Yeadon, Pa., assignors to General Electric Company. Control system. 2,405,007; July 30.
- Banyal, M., Limited, assignee: See—
Banyal, Maurus.
- Banyal, Maurus, assignor to M. Banyal Limited, Glasgow, Scotland. Gauze weaving loom. 2,401,452; June 4.
- Barab, Jacob, Wilmington, Del. Ammonium nitrate explosive. 2,398,071; Apr. 8.
- Baral, William J.: See—
Linford, Hooper, and Baral.
- Barany, Edmund, Syracuse, N. Y. Fruit juice extractor. 2,410,562; Nov. 5.
- Baratelli, Charles A., Cambridge, C. W. Cochran, Belmont, R. N. Dockum, Medford, and J. E. Guernsey, West Roxbury, assignors to Polaroid Corporation, Cambridge, Mass. Visor attachment for goggles and the like. 2,393,955; Feb. 5.
- Barber, Charles C., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Projecting and retracting mechanism for an underwater signal source. 2,407,240; Sept. 10.
- Barber-Colman Company, assignee: See—
Abrams, Victor R., and Kennedy.
Colman, Howard P.,
Dewey, Ritchie P.,
Drake, Russell P.,
Kennedy, Walter W.,
Lilja, Edgar I.,
Marcellus, Brooks.
- Barber, Hiram E., Crete, Nebr., assignor to Southeast Aviation, Inc., Columbia, S. C. Saw construction. 2,393,216; Jan. 15.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Transfer roller for ink distributions. 2,404,159; July 16.
- Barber, Katherine, West Los Angeles, Calif. Shoe tree. 2,408,545; Oct. 1.
- Barber, Lonnie, assignor of twenty per cent to D. Younger, and twenty per cent to W. Glaise, Danville, Va. Fruit picker. 2,406,055; Aug. 20.
- Barber, Paul M., Aberdeen, S. Dak. Animal trap. 2,408,593; Oct. 1.
- Barber, Quay C., deceased, Cleveland, Ohio; J. E. Burnside, administrator. Treating machine. 2,408,248; Sept. 24.
- Barber, Ronald S. V.: See—
Dowsett, Harry L., and Barber.
- Barber, Ronald S. V., assignor to Dowsett Engineering Construction Limited, Malvern, England. Production of prestressed reinforced concrete units. 2,394,227; Feb. 5.
- Barber, Ronald S. V., and D. R. Lester, assignors to Dowsett Engineering Construction Limited, Malvern, England. Apparatus and method for the production of prestressed concrete sleepers. 2,394,228; Feb. 5.
- Barber, Roy E., Berkeley, Calif. Safety clip. 2,405,176; Aug. 6.
- Barber, Theodore C., Seattle, Wash. Airplane flight trainer. 2,402,238; Oct. 15.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Mold for molding an extensible article. 2,403,780; July 9.
- Barbour, Carroll B., Yeadon, assignor to The Atlantic Refining Company, Philadelphia, Pa. Production of alkaline earth metal sulphates. 2,395,713; Feb. 26.
- Barbour, Charles W., Jr., Marblehead, assignor to Submarine Signal Company, Boston, Mass. Mounting stack. 2,405,551; Aug. 13.
- Barbour, Fennar S.: See—
Worthen, Eugene P., and Barbour.
- Barbour, James P., Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Press. 2,409,824; Oct. 22.
- Barbours, Welding Company, assignee: See—
Vizard, William C.
- Barcolo Manufacturing Company, assignee: See—
Ross, Hollis R.
- Barclay, William L., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Motor control system. 2,400,971; May 28.
- Barcus, Anthony P., assignor to General Motors Corporation, Dayton, Ohio. Clothes wringer. 2,406,788; Sept. 3.
- Bard-Parker Company, Inc., assignee: See—
Arden, Thomas R.
- Barden, Clifford A., Oberlin, Ohio. Ink well. 2,395,030; Feb. 18.
- Bardons and Oliver, Inc., assignee: See—
Kyllin, Oskar and H. O., and Valentino.
- Bardos, Lewis, River Rouge, Mich. Metal disintegrating device. 2,399,977; May 7.
- Bardsley, Willard W., Providence, assignor to Wardwell Braiding Machine Company, Central Falls, R. I. Knitting machine. 2,406,525; Aug. 27.
- Bardwell, Ralph F., Southbridge, and J. H. Smith, Taunton, assignors to American Optical Company, Southbridge, Mass. Abrading machine. 2,406,789; Sept. 3.
- Bardwell, Ralph F., Southbridge, and J. H. Smith, Taunton, assignors to American Optical Company, Southbridge, Mass. Lens and making the same. 2,410,145; Oct. 29.
- Bareis, Clarence W., Wyandotte, Mich., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Conveying method. 2,399,455; Mar. 12.
- Bareis, Max, Livingston, assignor to Tung-Sol Lamp Works Inc., Newark, N. J. Thermionic tube. 2,395,835; Mar. 5.
- Barenyl, Bela: See—
Wilfert, Karl, and Barenyl.
- Barger, Edgar L.: See—
Engler, Kyle, Barger, and Thompson.
- Baril, Samuel J., and L. Hochheimer, assignors to The Hobar Co., New York, N. Y. Drier rack and making. 2,395,210; Feb. 19.
- Baril, Arthur B., Los Angeles, Calif. Bomb sight and bomb-releasing device. 2,409,239; Oct. 15.
- Barlingoltz, Bernardo, Pedernar, Argentina. Purifying exhaust gases. 2,409,825; Oct. 22.
- Barishman, Harry, New York, N. Y. Dental device. 2,404,683; July 23.
- Barishman, Harry, New York, N. Y. Dental tray. 2,404,684; July 23.
- Barium Steel Corporation, assignee: See—
Smith, Arthur D.
- Barkeij, Jean A. B., Altadena, Calif. Hydraulic mechanism. 2,410,333; Oct. 29.
- Barker, Eugene, assignor to The Jaeger Machine Company, Columbus, Ohio. Portable loading machine. 2,413,095; Dec. 24.
- Barker, Eugene, assignor to The Jaeger Machine Company, Columbus, Ohio. Portable loading machine. 2,413,096; Dec. 24.
- Barker, Eugene, assignor to The Jaeger Machine Company, Columbus, Ohio. Portable loading machine. 2,413,097; Dec. 24.
- Barker, George A., Rochester, N. Y. Tire shoe. 2,409,182; Oct. 15.
- Barker, George E., Pittsburgh, Pa., assignor to Elgin National Watch Company, Elgin, Ill. Lubricant containing alkyl piperidine salts. 2,412,956; Dec. 24.
- Barker, Harry H., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Semiconducting materials. 2,397,082; Mar. 26.
- Barker, Harry H., Irwin, L. H. Hill, Wilkensburg, and L. Berberich, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Semiconducting composition and tape produced therefrom. 2,399,314; Apr. 30.
- Barker, John S.: See—
Woodberry, John H., Storm, Barker, Miles, Brayton, and Seavey.

- Barker, Lyle M., and E. G. Lewis, Ajo, Ariz., assignors to Phelps Dodge Corporation, New York, N. Y. Grinding mill. 2,405,633; Aug. 13.
- Barker, Orrin W.: *See*—
Armitage, Joseph B., and Barker.
- Barker, Paul F., H. G. Hartman, C. T. Galloway, and B. M. Kunes, assignors to Gleason Works, Rochester, N. Y. Dressing mechanism. 2,409,240; Oct. 15.
- Barker, Robert S.: *See*—
Whitehill, Lynwood N., and Barker.
- Barker, Seth S., assignee: *See*—
Jasper, Leona.
- Barker, Wayne Mac V., Philadelphia, Pa. Clamp for printing press plates. 2,393,878; Jan. 29.
- Barker, William M.: *See*—
Hailes, William D., Brixner, Barker, and Dasburg.
- Barlow, Eugene V.: *See*—
Ashton, Benjamin N., and Barkow.
- Barkstrom, Elmer E., Chicago, and L. Williams, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,405,488; Aug. 6.
- Barley, Leo D.: *See*—
Spiller, William R., and Barley.
- Barlow, Carl N., Los Angeles, Calif. Vernier height gauge. 2,394,137; Feb. 5.
- Barnaby, James C., Short Hills, and W. L. Russell, East Orange, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Dual fuel engine. 2,400,219; May 14.
- Barnard, Leon J., assignee: *See*—
Arms, Merton, and Barnard.
- Barnard, Oral E., Montreal, Quebec, assignor to Dominion Merchants Company Limited, St. Laurent, Quebec, Canada. Automatic fire extinguisher. 2,405,125; Aug. 6.
- Barnby, Herbert A., and J. M. Wheaton, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Container closure. 2,397,589; Apr. 2.
- Barnebey, Herbert L., Oakmont, and H. T. Needham, assignors to Blaw-Knox Company, Blawnox, Pa. Fluid heater. 2,398,279; Apr. 9.
- Barnes, Arthur: *See*—
Ryan, William H., Barnes, and Husek.
- Barnes, Arthur, Waltham, and H. P. Husek, Allston, assignors to Polaroid Corporation, Cambridge, Mass. Forming iodine images. 2,409,923; Oct. 22.
- Barnes, Carl E., Acton, Mass., assignor to Polaroid Corporation, Dover, Del. Manufacturing coated light polarizers. 2,397,231; Mar. 26.
- Barnes, Carl E., Acton, Mass., assignor to Polaroid Corporation, Dover, Del. Methacrylic esters and copolymers thereof. 2,404,267; July 16.
- Barnes, Carl E., Belvidere, N. J., assignor to Polaroid Corporation, Cambridge, Mass. Methacrylic esters and copolymers thereof. 2,404,268; July 16.
- Barnes, Charles E., New York, N. Y. Jigsaw puzzle. 2,395,312; Feb. 19.
- Barnes, Charles F., Marion, N. C. Link for knitting machine chains. 2,397,939; Apr. 9.
- Barnes Drill Co., assignee: *See*—
Olsen, Joseph O.
- Baron, Ernest Y., Caldwell, and Manning.
- Barnes, Elias B., Elkhart, Ind. Heater. 2,402,010; June 11.
- Barnes, Eugene L., and H. A. Brenner, Buffalo, N. Y. Flexible applicator. 2,397,232; Mar. 26.
- Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Machine tool control. 2,412,957; Dec. 24.
- Barnes, Galen W., Indianapolis, Ind. Seat dressing tool. 2,412,859; Dec. 17.
- Barnes, Gladeon M., Hastings, Mich. Tank. 2,396,073; Mar. 5.
- Barnes, James F., Chicago, Ill., assignor to J. F. Barnes, trustee. Belt link. 2,399,659; May 7.
- Barnes, James F., trustee: *See*—
Barnes, James F.
- Heckman, John A., Nyberg, Curt E., Painter, David L., Rebholz, Elmer F.
- Barnes, John S., assignor to Skaneateles Boats, Inc., Skaneateles, N. Y. Making laminated articles. 2,411,497; Nov. 26.
- Barnes, John W., assignee, et al.: *See*—
Donaldson, Jefferson R.
- Barnes & Jones, Incorporated, assignee: *See*—
Jones, William T.
- Barnes, Joseph L., Indianapolis, Ind. Knife sharpener. 2,404,025; July 16.
- Barnes, Lewis C., Rutland, Vt., and R. B. Holt, Los Angeles, Calif., assignors to The Howe Scale Company, Rutland, Vt. Recording scale. 2,404,562; July 23.
- Barnes, Llewellyn T., Hempstead, assignor to Bi-Metal Piston Ring Corporation, New York, N. Y. Making piston rings. 2,397,508; Mar. 26.
- Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Furnace structure. 2,395,091; Feb. 19.
- Barnes Motor Developments Company, assignee: *See*—
Barnes, William B.
- Barnes, Norman F., and K. R. Geiser, Schenectady, N. Y., assignors to General Electric Company. Sighting apparatus for firearms. 2,393,013; Jan. 15.
- Barnes, Robert B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Method of and apparatus for detecting camouflage. 2,394,508; Feb. 5.
- Barnes, Robert B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Refractometer for chemical reactions. 2,413,208; Dec. 24.
- Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Method and apparatus for detecting flaws in metal. 2,410,803; Nov. 12.
- Barnes, William B., Muncie, Ind., assignor to Barnes Motor Developments Company. Overdrive transmission. 2,403,781; July 9.
- Barnet Ensign Limited, assignee: *See*—
Hunter, Douglas G.
- Barnett, Harold M., Long Beach, Calif. Carotene extraction. 2,412,707; Dec. 17.
- Barnett, Harold M., Long Beach, and R. C. Mosher, Downey, Calif.; said Mosher assignor to said Barnett. Pulp washer. 2,408,191; Sept. 24.
- Barnhart, Edgar W., assignor to The General Excavator Company, Marion, Ohio. Combined brake and stabilizer control. 2,400,803; May 21.
- Barnhill, George B., Oakland, assignor of one-half to E. B. Moses, San Francisco, Calif. Plant stimulants and making them. 2,392,518; Jan. 8.
- Barnstetter, Alfons, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,393,879; Jan. 29.
- Barnum, Emmet: *See*—
Zublin, Ernest W., White, and Barnum.
- Barr, Charles R., Bellevue, Pa. Stoker feed mechanism. 2,411,703; Nov. 26.
- Barr, Harry F., assignor to General Motors Corporation, Detroit, Mich. Hydraulic lash adjuster. 2,394,354; Feb. 5.
- Barr & Stroud, Limited, assignee: *See*—
Strang, John M.
- Strang, John M., and Bell.
- Strang, John M., and Foster.
- Barr, Thomas: *See*—
Speakman, John B., and Barr.
- Barr, Willie L., San Angelo, Tex., assignor to Comet Model Airplane & Supply Company, Incorporated. Model airplane control. 2,395,530; Feb. 26.
- Barracough, Edgar: *See*—
Mossay, Paul A. H., Schwarz, and Barracough.
- Barratt, Francis J., Jelder, Upper Montclair, and O. G. Schrom, Montclair, N. J., assignors to American Locomotive Company, New York, N. Y. Combustion engine power plant. 2,395,443; Feb. 26.
- Barrer, Richard M., Bingley, England. Manufacture of crystalline absorbents. 2,413,134; Dec. 24.
- Barrett, James B., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 2,393,733; Jan. 29.
- Barrett, John H., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Magnetic fixture. 2,400,062; May 14.
- Barrett, John H., assignor to The La Pointe Machine Tool Company, Hudson, Mass. Magnetic fixture. 2,405,773; Aug. 13.
- Barrett, Richard C., assignor of one-half to R. W. Barrett, Bristol, Conn. Glass cutter. 2,394,138; Feb. 5.
- Barrett, Robert W., assignee: *See*—
Barrett, Richard C.
- Barrett, William, International Falls, assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn. Coating papers. 2,406,056; Aug. 20.
- Barrett, William H., and B. K. Asdell, International Falls, assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Coating apparatus. 2,406,057; Aug. 20.
- Barrett, William J.: *See*—
Loomis, Chauncey C., and Barrett.
- Barrie, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and products. 2,403,207; July 2.
- Barron, Edward T., Minneapolis, Minn. Differential locking means. 2,409,729; Oct. 22.
- Barron-Gray Packing Company, assignee: *See*—
Erickson, Arvid M., and Ryan.
- Barron, Jacob B., Calgary, Alberta, Canada. Coin wrapping machine. 2,394,886; Feb. 12.
- Barron, John T., Boston, Mass., assignor to Kinney Manufacturing Company, Jamaica Plain, Mass. Clutch. 2,392,719; Jan. 8.
- Barron, Joseph M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Cracking of hydrocarbon oils. 2,398,280; Apr. 9.
- Barron, Joseph M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Combination catalytic and thermal conversion. 2,403,486; July 9.
- Barron, Joseph M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Cracking and coking of hydrocarbon oils. 2,406,312; Aug. 27.
- Barron, Joseph M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Cracking and coking hydrocarbon oils. 2,403,313; Aug. 27.
- Barrowclough, William V., Cadillac, Mich., assignor to Insulated Windows, Inc. Window ventilator. 2,398,914; Apr. 23.

- Barrows, Alford C. : *See—*
Langford, George W., and Barrows.
Barrows, George H., Hillsboro, Oreg. Fruit pitter. 2,392,451; Jan. 8.
- Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Organo-silicon esters and materials treated therewith. 2,405,988; Aug. 20.
- Barry, William B., deceased, Valdosta, Ga.; W. R. Dewberry, administratrix. Apparatus for determining geographic positions celestially. 2,407,467; Sept. 10.
- Barsky, George, assignor to E. F. Drew & Co., Inc., New York, N. Y. Propellent powders containing pelargonic esters. 2,396,077; Mar. 5.
- Barsotti, Russell F., assignee, et al. : *See—*
De Michel, Frank.
- Barsotti, Vincent J., assignee, et al. : *See—*
De Michel, Frank.
- Bart, Edward H., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Production of para nitroacetanilide. 2,406,578; Aug. 27.
- Bartelheim, Leland A., Berwyn, and E. C. Neuhaus, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling articles. 2,394,837; Feb. 12.
- Bartelink, Everhard H. B., West Milton, N. Y., assignor to General Electric Company. Pulse system. 2,392,114; Jan. 1.
- Barth, Robert H. : *See—*
Bowman, Philip I., Barth, and Burrell.
- Barthard, Raymond F., and Barth.
- Bartha, Sander B., assignor to M. Galman, Philadelphia, Pa., trading as Lamp and Shade Company. Lamp shade and making the same. 2,408,594; Oct. 1.
- Bartholomew, Byron J., Burton, Ohio. Prefabricated wallboard construction. 2,399,978; May 7.
- Bartholomew, Earl, Birmingham, Mich., assignor to Ethyl Corporation, New York, N. Y. Antiknock agent. 2,398,281; Apr. 9.
- Bartholomew, Earl, Birmingham, Mich., assignor to Ethyl Corporation, New York, N. Y. Antiknock agent. 2,398,282; Apr. 9.
- Bartholomew, Fred A., New Orleans, La. Condensing motor. 2,395,984; Mar. 5.
- Bartholy, Frederick B., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Time delay circuit. 2,393,014; Jan. 15.
- Bartimore, Roy E., Milwaukee, Wis. Glove turning apparatus. 2,404,346; July 23.
- Bartleson, John D. : *See—*
Hughes, Everett C., and Bartleson.
- Bartleson, John D., assignor to The Standard Oil Company, Cleveland, Ohio. Additives for lubricants. 2,403,894; July 9.
- Bartleson, John D., and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Additive for lubricants. 2,403,477; July 9.
- Bartlett, C. O., and Snow Company, The, assignee : *See—*
Smith, Benjamin A.
- Bartlett, Edward P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Formic acid esters. 2,405,936; Aug. 20.
- Bartnovsky, Leopold, New York, N. Y. Diamond holder or dop for holding diamonds. 2,395,952; Mar. 5.
- Barto, Luther A., Allentown, Pa. Hydraulic lathe center. 2,402,978; July 2.
- Bartolero, Carlo : *See—*
Stratford, Charles W., and Bartolero.
- Barton, Clarence R. : *See—*
Epstein, Moses P., and Barton.
- Barton, Daniel M. : *See—*
Ayers, George W., and Barton.
- Barton, Loy E., Collingswood, and H. R. Dyson, Haddonfield, N. J., assignors to Radio Corporation of America. Signaling apparatus. 2,400,063; May 14.
- Barton, Warren H., Prince Bay, Staten Island, and H. M. Snell, Rockville Centre, N. Y. Combined package and serving container. 2,401,038; May 28.
- Bartsch, Herbert B. : *See—*
Camp, Percy B., and Bartsch.
- Bartsch, Herbert B., Chicago, Ill., assignor to Universal Railway Devices Company. Running board. 2,401,401; June 4.
- Bartz, Melvin : *See—*
Miller, Robert L., and Bartz.
- Barwich, Heinz, Berlin-Halensee, Germany; vested in the Allen Property Custodian. Apparatus for and method of producing metallic coatings. 2,397,400; Mar. 26.
- Bascom, Henry M. : *See—*
Abbott, Henry H., and Bascom.
- Bascom, Henry M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Monitoring system. 2,407,241; Sept. 10.
- Bascom, Henry M., New York, N. Y., and F. A. Hubbard, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,403,475; July 9.
- Bascom, Roger C., Port Clinton, Ohio, assignor to The Standard Products Corporation, Detroit, Mich. Window channel. 2,412,799; Dec. 17.
- Bascom, Roger C., Port Clinton, Ohio, and D. Roberts, deceased, New York, by D. Roberts, Jr., executor, assignors to Rubatex Products, Inc., New York, N. Y. Gassing rubber. 2,412,072; Dec. 3.
- Baselt, Walter H., Tucson, Ariz., and C. E. Tack, assignors to American Steel Foundries, Chicago, Ill. Rotor and making. 2,410,185; Oct. 28.
- Bashour, Joseph T., assignor to E. R. Sombb & Sons, New York, N. Y. Producing substantially pure d-tubocurarine chloride. 2,409,241; Oct. 15.
- Basic Refractories, Inc., assignee : *See—*
Schoenlaub, Robert A.
- Basic Vegetable Products Co., assignee : *See—*
Miller, Martha W.
- Basnett, Robert T. : *See—*
Ellis, Delbert, Taylor, and Basnett.
- Basolo, Edward D., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Making molded drill jigs. 2,392,804; Jan. 15.
- Bassett, Charles H., assignor to Crane Co., Chicago, Ill. Indicator for valves. 2,407,944; Sept. 17.
- Bassett, Cyrus W., Long Branch, N. J., assignor to National Pneumatic Company, New York, N. Y. Moisture ejection device for air pressure systems. 2,410,799; Nov. 12.
- Bassett, Edward H. : *See—*
Lucia, Louis V., and Bassett.
- Bassett, Lloyd L., West Los Angeles, Calif. Lipstick applicator and container combination. 2,412,073; Dec. 3.
- Bassett, Robert S., Buffalo, N. Y. Accuracy regulating fluid meter. 2,404,523; July 30.
- Bassichis, William M., Cleveland Heights, assignor to Convenient Carrier Corporation, Cleveland, Ohio. Bottle carrier rill. 2,404,685; July 23.
- Bassick Company, The, assignee : *See—*
Harold, Walter F.
- Bassist, Rudolph, New York, N. Y. Needle-controlling mechanism for knitting machines. 2,406,579; Aug. 27.
- Bassist, Rudolph, assignor of forty-five per cent to himself, ten per cent to H. H. Stern, twenty-two and one-half per cent to E. Abrams, and twenty-two and one-half per cent to E. April, New York, N. Y. Yarn-control mechanism for warp knitting machines. 2,400,064; May 14.
- Bastian Blessing Co., assignee : *See—*
Norway, Harold L.
- Bastian Blessing Co., The, assignee : *See—*
Buttner, William C., and Sundstrom.
- Hartung, Floyd I.
- McMahon, Alexander F.
- Poethig, Robert E.
- Windsor, Frederick N.
- Bastick, Raymond E., W. M. Hampton, and T-H. Wang, assignors to Chance Brothers Limited, Smethwick, Birmingham, England. Optical glasses. 2,406,580; Aug. 27.
- Batchelder, Augustus H. and F. S. Rollins, Jr., Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Foam inhibited oil. 2,402,487; June 18.
- Batchelder, George W., Mantua, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of tetrayl. 2,405,340; Aug. 6.
- Batchelder, George W., Mantua, and W. M. Nagle, J. C. Vyverberg, and J. M. Willis, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,400,904; May 28.
- Batchelder, Laurence, Cambridge, assignor to Submarine Signal Company, Boston, Mass. Electric compensator. 2,406,340; Aug. 27.
- Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,407,242; Sept. 10.
- Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Magnetostriction oscillator. 2,407,243; Sept. 10.
- Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,244; Sept. 10.
- Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,643; Sept. 17.
- Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sending and receiving compressional waves. 2,408,028; Sept. 24.
- Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Compressional wave transmitting and receiving apparatus. 2,408,404; Oct. 1.
- Batchelor, Laurence, Glens Falls, N. Y. Electrolytic polishing. 2,409,097; Oct. 8.
- Batchelor, Clyde S., Nichols, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Bonded friction assembly. 2,400,640; Aug. 27.
- Bateman, Amos W. : *See—*
Bany, Herman, and Bateman.
- Gittings, William N., and Bateman.
- Bates, Leah H., assignee : *See—*
Bates, Walter A.
- Bates, C. J., and Son, assignee : *See—*
Franz, Frederick.
- Larson, Edwin H.
- Marshall, Gertrude R.

- Bates, Charles F. W.: *See—*
Gebauer, Charles L., and Bates.
- Bates, Harold O., Cranford, N. J. Machine for applying labels to rubber hose or cable or the like. 2,402,357; June 18.
- Bates, James E.: *See—*
Mueller, Fritz W., and Bates.
- Bates, John E., Lansing, Mich. Control means for fuel feed systems. 2,405,128; Aug. 6.
- Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalyst manufacture. 2,395,536; Mar. 5.
- Bates, John R., Swarthmore, Pa., and H. A. Shabaker, Media, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Production of solid contact material. 2,412,958; Dec. 24.
- Bates, Ralph E., West Medford, assignor to Submarine Signal Company, Boston, Mass. Submarine signaling apparatus. 2,400,870; May 28.
- Bates, Walter A., assignor to B. H. Bates, Joliet, Ill. Anchor for gratings. 2,403,842; July 9.
- Bates, William A.: *See—*
Woodward, Herbert S., and Bates.
- Bathras, James E., Portland, Maine. Airplane propeller. 2,396,811; Mar. 19.
- Battelle Memorial Institute, assignor: *See—*
Faust, Charles.
- Batten, Percy H., assignee, et al., trustee: *See—*
Lysholm, Alf.
- Batten, Percy H., assignor to Twin Disc Clutch Company, Racine, Wis. Hydraulic coupling. 2,400,093; May 14.
- Batterman, Carl E., Detroit, Mich. Level indicator for contour plowing. 2,405,654; Aug. 13.
- Battersby, Robert B., Noroton Heights, and J. C. Prior, Stamford, Conn., assignors to S. Schwartz, New York, N. Y. Pocket flashlight. 2,412,313; Dec. 10.
- Battershill, I., Frederick, Md.: *See—*
Lubbock, Isaac, and Battershill.
- Battles, Guy W.: *See—*
Klausnitzer, Frank, and Battles.
- Battley, Edwin R. and G. E. McCoy, Montreal, Quebec, Canada. Railway refrigerator car structure. 2,402,980; July 2.
- Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Automatic trap for refrigerator car drain-pipes. 2,412,118; Dec. 3.
- Baucum, William W., Laurel, Neb., assignor to one-half to S. S. Anderson, Hattiesburg, Miss. Device for loading revolver chambers simultaneously. 2,399,904; May 7.
- Baudry, René A., and E. I. Pollard, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator. 2,393,956; Feb. 5.
- Baudry, René A., Wilkinsburg, and F. C. Rushing and J. C. Fink, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical shock apparatus. 2,412,960; Dec. 17.
- Bauer, Hans F., Chicago, J. V. Bauer, Elmwood Park, and D. M. Hawley, Geneva, Ill., assignors, by mesne assignments, to Stein, Hall & Co., Inc. Amylaceous derivatives. 2,396,937; Mar. 19.
- Bauer, Hans F., and E. F. Glabe, Chicago, Ill., assignors, by mesne assignments, to Stein, Hall & Co., Inc. Inhibiting mold in dairy products. 2,412,596; Dec. 17.
- Bauer, Jordan V.: *See—*
Bauer, Hans F. and J. V. and Hawley.
- Bauer, Philip J., Basic Township, Nev. Sampling machine. 2,408,480; Aug. 6.
- Bauer, Russell E., Detroit, Mich. Thread checker. 2,409,924; Oct. 22.
- Bauer, Walter C.: *See—*
Briggs, Southwick W., Bauer, Ewbank, and Porter.
- Bauer, Walter C., Chevy Chase, assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md. Filtering device. 2,401,039; May 28.
- Bauersfeld, Walther, Jena, Germany; vested in the Alien Property Custodian. Antifriction bearing. 2,399,847; May 7.
- Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,394,971; Feb. 19.
- Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote-control system. 2,396,812; Mar. 19.
- Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,397,401; Mar. 26.
- Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,398,572; Apr. 16.
- Baule, Gerhard H. J., Salina, N. Y. Attaching sutures to shanks of surgeons' needles. 2,411,079; Nov. 12.
- Baum, Cleophas P., Washington, D. C. Airplane lift dolly. 2,392,830; Jan. 15.
- Baum, Cleophas P., Washington, D. C. Airplane lift dolly. 2,393,602; Jan. 29.
- Baum, John L., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Fixture for assembling articles. 2,399,538; Apr. 30.
- Bauman, Douglas B., West Haven, Conn. Flying wing aircraft. 2,402,358; June 18.
- Bauman, Ted, Milwaukee, Wis. Device for making butter curls or butter rolls. 2,395,797; Mar. 5.
- Bauman, William C.: *See—*
Hunter, Melvin J., and Bauman.
- Baumann, Frederick W., Scotia, N. Y., assignor to General Electric Company. Induction frequency changer. 2,399,905; May 7.
- Baumann, Harold C., Elizabeth, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Radio direction finder system. 2,412,959; Dec. 24.
- Baumann, Karl, Mere, Knutsford, England, assignor to Metropolitan Vickers Electrical Company Limited, London, England. Turbine, turbine type compressor, and the like rotating machine. 2,410,769; Nov. 5.
- Baumann, Karl, Mere, Knutsford, assignor to Metropolitan Vickers Electrical Company Limited, London, England. Turbine. 2,410,804; Nov. 12.
- Baumann, Karl, Mere, Knutsford, England, assignor to Metropolitan Vickers Electrical Company, Limited, London, England. Internal-combustion turbine plant. 2,411,124; Nov. 12.
- Baumann, Roger C., West Memphis, Ark. Lixivating mechanism. 2,392,452; Jan. 8.
- Baumfalk, John, Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Traffic control system. 2,395,798; Mar. 5.
- Baumgardner, Earl J., Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electric switch. 2,413,135; Dec. 24.
- Baumgarten, Paul: *See—*
Udall, Frederick M., and Baumgarten.
- Baumgartner, Frank E., Spokane, Wash. Grease trap for range hoods. 2,393,957; Feb. 5.
- Baumgartner, Fred, Kansas City, Mo. Game device. 2,410,800; Nov. 12.
- Baumgartner, Richard A.: *See—*
Sharpe, Donald B., and Baumgartner.
- Baumgartner, Robert M., Haverhill, and J. K. Smith, Lawrence, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,392,304; Jan. 8.
- Baumbaugh, Roy J., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Food conveyor or heater. 2,409,528; Oct. 15.
- Baur, John W.: *See—*
Gustafsson, Eric, and Baur.
- Bausch & Lomb Optical Company, assignee: *See—*
Bendish, James B.
Bouchard, Samuel E.
Boughton, Olin W., Horsfall, and Perkins.
Burgert, Harold E., and Butterfield.
Eckert, Clarence J.
Ellis, Edward E.
Fraser, Walter A.
Gallash, George B.
Holman, Arthur J.
Hutchings, Charles F.
Kurtz, Henry F., and Morrison.
McKinstry, George W.
Stegeman, Raymond F. E.
Straat, Harold W.
Street, Donald T.
Swope, Joe E., Jr., and Turner, and Ullrich.
Turner, Arthur F.
Wolfe, Bernard J.
Young, Roger D.
- Bayley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Color photography. 2,395,776; Feb. 26.
- Bayley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Color photography. 2,403,040; July 2.
- Bayley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 1-substituted-5-diket-7-methyl-pyrimidopyrazoles as couplers for color photography. 2,403,329; July 2.
- Bayley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Acylated guanazols. 2,406,654; Aug. 27.
- Bay's, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 4,4'-bis(pyrazolone) couplers for color photography. 2,411,951; Dec. 3.
- Bax, Alfred R., Laurel Springs, H. F. Kiehorn, Oaklyn, and W. E. Forney, Merchantville, N. J., assignors to Cities Service Oil Company, New York, N. Y. Manufacture of lithium base greases. 2,406,655; Aug. 27.
- Baxa, Edward H.: *See—*
Maxson, Walter L., Fagnant, and Baxa.
- Baxter Laboratories, Inc., assignee: *See—*
Nesset, Naurice M., and Nawoj.
- Bay Chemical Company, Inc., assignee: *See—*
Reeves, Howard F. Jr., and Andrews.
- Bay Products Corporation, assignee: *See—*
Keema, Alexander W.
- Bayles, John W., Roker, Sunderland, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric generator. 2,404,209; July 16.
- Bayes, John W., Roker, Sunderland, and A. T. Robertson, Newcastle-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Variable impedance choke. 2,402,721; June 25.
- Bayless, Patrick A., Syracuse, N. Y. Pneumodynamic extractor. 2,406,187; Aug. 20.

- Baymiller, John W., and R. W. Vose, West Springfield, assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Golf club and manufacturing the same. 2,395,837; Mar. 5.
- Bays, George S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well logging. 2,392,357; Jan. 8.
- Bazant, William: *See—*
Tascher, Eugene S., and Bazant.
- Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,393,994; Apr. 23.
- Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 2,405,396; Aug. 6.
- Bazzoni, Charles B., Wallingford, Pa., and J. W. Millington, Beaumont, Tex., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Electrical prospecting apparatus. 2,408,029; Sept. 24.
- Beach, Fred S. and R. B. Charlotte, Mich. Consumption register. 2,394,972; Feb. 19.
- Beach, Fred S. and R. B. Charlotte, Mich. Consumption recorder attachment for meters. 2,398,352; Apr. 16.
- Beach, George, Newark, Ohio, assignor to Owens-Corning Fiberglass Corporation. Traversing mechanism. 2,391,870; Jan. 1.
- Beach, Howard D., assignor to Beach Lens Corporation, Buffalo, N. Y. Lens. 2,405,989; Aug. 20.
- Beach, Justice H., Canton, assignor to The Hoover Company, North Canton, Ohio. Valve. 2,405,127; Aug. 6.
- Beach, Lennox F., Merrick, N. Y., assignor to The Purves Corporation, Springfield, Mass. Magnetic field responsive device. 2,410,039; Oct. 29.
- Beach, Lennox F., and O. E. Esval, Merrick, and A. W. Lane, Freeport, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Directional gyroscope. 2,406,341; Aug. 27.
- Beach, Lennox F., For: Washington; O. E. Esval, Huntington, and A. W. Lane, Roosevelt, N. Y., assignors to Sperry Gyroscope Company, Inc. Locking mechanism for directional gyroscopes. 2,406,342; Aug. 27.
- Beach Lens Corporation, assignee: *See—*
Beach, Howard D.
- Beach, Ludlow F., Charleston, S. C., assignor to Foster Wheeler Corporation, New York, N. Y. Apparatus for pulverizing materials. 2,398,774; Apr. 23.
- Beach, Ralph H., Rockdale, Md., assignor to May Oil Burner Corporation. Means for arresting cavitation in operation of pumps. 2,392,720; Jan. 8.
- Beach, Ralph M.: *See—*
Robinson, Edwin A., and Beach.
Rossiter, Laurence E., and Beach.
- Beach, Rose B.: *See—*
Beach, Fred S. and R. B.
- Beachler, Edward D.: *See—*
Hornbostel, Lloyd, and Beachler.
- Beadle, Doris L. H.: *See—*
Beadle, George W. and D. L. H.
- Beadle, George W. and D. L. H., Snaresbrook, England. Catamenial device. 2,412,861; Dec. 17.
- Beal, Albert H., Houston, Tex. Deviation recording device. 2,408,937; Aug. 20.
- Beal, Anne A.: *See—*
Peters, Melville F., and Beal.
- Beal, George D., Pittsburgh, Pa., and C. Y. Emery, Westfield, N. J., assignors to Chesbrough Manufacturing Company, Consolidated New York, N. Y. Bandage package. 2,402,981; July 2.
- Beal, James F., Renfrew, Ontario, Canada, assignor to The Bryant Electric Company, Bridgeport, Conn. Circuit controller. 2,404,940; July 30.
- Beale, Charles E.: *See—*
Gillings, Charles, and Beale.
Gillings, Charles, Beale, and Terroni.
- Beale, Evelyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Two-stroke piston-controlled engine. 2,408,030; Sept. 24.
- Beale, Evelyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Free piston internal-combustion engine. 2,408,031; Sept. 24.
- Beale, Evelyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Oscillating fluid-displacing machines operating in parallel. 2,408,302; Oct. 1.
- Beall, Frank P.: *See—*
Weston, Bonheur M., and Beall.
- Beam, Vlynn O. B., Cyr, and J. M. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Resistance bulb thermostat. 2,403,843; July 9.
- Beam, Arthur W., Brough, England. Apparatus for distributing seed or powdered and like materials on the ground. 2,397,590; Apr. 2.
- Beam, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of N-substituted aminophenols. 2,394,587; Feb. 12.
- Beam, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer. 2,394,588; Feb. 12.
- Beam, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of n-methyl-p-aminophenol. 2,397,911; Apr. 9.
- Beam, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer. 2,407,000; Sept. 10.
- Beam, Harry J., Brooklyn, N. Y. Lifesaving and sporting raft. 2,396,148; Mar. 5.
- Bean, Morris, assignee, et al.: *See—*
Bean, Xarifa L.
- Bean, Morris, Yellow Springs, Ohio. Molding. 2,402,528; June 25.
- Bean, Roscoe D., Ridgewood, N. J., and H. J. Murray, assignors to Suna Engineering & Manufacturing Company, New York, N. Y. Electrical control device and circuit. 2,402,722; June 25.
- Bean, Ruric N.: *See—*
Allen, Herbert, and Bean.
- Bean, Ruric N., assignor to Cameron Iron Works, Houston, Tex. Sealing and testing well head connections. 2,402,723; June 25.
- Bean, Xarifa, assignee, et al.: *See—*
Bean, Xarifa L.
- Bean, Xarifa L., assignor to Antioch College, M. and X. Bean, A. D. Henderson, A. E. Morgan, and W. Beatty, Yellow Springs, Ohio. Expansion control of molds and the like. 2,400,905; May 28.
- Beانبlossom, Joy B., Niagara Falls, and R. H. Kimball, Lewiston, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of alkyl mercaptans. 2,404,425; July 23.
- Beane, Walter H., Klamath Falls, Oreg. Apparatus for stacking lumber. 2,397,720; Apr. 2.
- Beard Brand Hosiery Co., assignee: *See—*
Nyhuys, Bert.
- Beard, Bert: *See—*
Udale, Stanley M., and Beard.
- Beard, Charles L., Lancaster, Pa. Light tool. 2,393,880; Jan. 29.
- Beard, Charles L., Lancaster, Pa. Eccentric driving connections. 2,394,741; Feb. 12.
- Beard, Charles L., Lancaster, Pa. Point marker. 2,408,595; Oct. 1.
- Beard, Joseph G., Haddonfield, and R. W. Harralson, Masoville, Mass., assignors to Radio Corporation of America. Method of and system for translating signals. 2,404,026; July 16.
- Beardsell, Allyn C., Springfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. One-piece self-locking carton. 2,393,277; Jan. 22.
- Beardsell, Allyn C., Springfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. One-piece self-locking carton. 2,393,734; Jan. 29.
- Beardsley, Charles S., assignor to Miles Laboratories, Inc., Elkhart, Ind. Dispensing container. 2,410,923; Nov. 12.
- Beardsley, Orrie L., Washington, D. C. Nut and screw mechanism. 2,406,343; Aug. 27.
- Beasley, Milton R., Norwood, Mass., assignor to Bird & Son, Inc., East Walpole, Mass. Roof. 2,411,771; Nov. 26.
- Beasley, Noah N., Pasadena, Calif. Sawhorse. 2,412,704; Dec. 17.
- Beatrice Creamery Company, assignee: *See—*
Chapin, Edward K.
North, Gerald C., and Alton.
North, Gerald C., Alton, and Little.
- Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Support and release means for bobbin receivers. 2,411,353; Nov. 19.
- Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin receiver for warp replenishing looms. 2,411,354; Nov. 19.
- Beattie, Horace S., Poughkeepsie, N. Y., and W. K. David, Verona, N. J., assignors to International Business Machines Corporation, New York, N. Y. Electrical switch. 2,412,384; Dec. 10.
- Beattie, Kenneth B.: *See—*
Beattie, Roland P., K. W., K. B., and R. P., II.
Beattie, Kenneth W.: *See—*
Beattie, Roland P., K. W., K. B., and R. P., II.
- Beattie, Roland P., K. W., K. B., and R. P., II.
Beattie, Roland P., K. W., K. B., and R. P., II., Summit, N. J. Photographic camera. 2,411,704; Nov. 26.
- Beatty, J. Clarence E., Bremerton, Wash. Dry shaver. 2,402,233; June 18.
- North, Gerald C., and Alton.
- Beatty, John T., Kenilworth, and D. L. Bennett, Flossmoor, assignors to United Specialties Company, Chicago, Ill. Mounting for cleaner elements. 2,406,188; Aug. 20.
- Beatty, William, assignee, et al.: *See—*
Bean, Xarifa L.
- Beatty, William A., and L. W. Houghton, London, England, assignors to International Standard Electric Corporation. System for the electric transmission of sound and other waves. 2,406,790; Sept. 3.
- Beaud, Emile, Albeuve, Fribourg, assignor to House Maurice Beaud & Fils, Albeuve, Switzerland. Dismountable barrack. 2,412,242; Dec. 10.
- Beaumont, Austin H., North Hollywood, Calif. Dispensing latex and the like. 2,402,310; June 18.
- Beaven, Leslie W., Chicago, Ill. Fuel preheating device. 2,399,783; May 7.
- Beaver Pipe Tools, Inc., assignee: *See—*
Pealor, Robert B.
- Beavon, Alfred W., assignor to A. C. Wickman Limited, Coventry, England. Cater drill. 2,392,519; Jan. 8.
- Bechik, Michael, St. Paul, Minn. Flexible mattress handle. 2,392,807; Oct. 29.

- Bechik, Michael, and W. F. Caster, St. Paul, Minn. Handle for box springs and the like. 2,410,250; Oct. 29.
- Beckie, Charles W.: *See—*
- Olson, John W., and Beckie.
- Bechler, André, Moutier, Switzerland. Disengaging coupling. 2,403,208; July 2.
- Bechler, André, Moutier, Switzerland. Motion-transmitting lever for automatic machine tools. 2,404,210; July 16.
- Bechler, André, Moutier, Switzerland. Device for retarding the disengagement of an automatic machine. 2,405,635; Aug. 13.
- Bechman, William O.: *See—*
- Baker, David B., and Bechman.
- Rogers, Clifford R., Bechman, and Ziskal.
- Thelander, W. Vincent, De Coursey, Bechman, and Henning.
- Bechman, William O., H. A. Land, and R. D. Acton, Chicago, Ill., assignors to International Harvester Company. Final drive structure for crawler tractors. 2,405,549; Aug. 13.
- Bechtel Brothers McCone Company, assignee: *See—*
- Rhoades, Russell G.
- Bechtold, Max F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated methyl methacrylate polymer. 2,404,357; July 23.
- Bechtold, Max F., and P. S. Pinkney, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Surface characteristics of solid organic polymers. 2,404,426; July 23.
- Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling arrangement. 2,408,032; Sept. 24.
- Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling system. 2,408,033; Sept. 24.
- Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave antenna. 2,409,183; Oct. 15.
- Beck, Bjorn O., assignor to Newark Stove Company, Newark, Ohio. Thermostatically controlled heating unit. 2,396,238; Mar. 12.
- Beck, Charles J., assignor of one-half to E. Armstrong, Fargo, N. Dak. Ice remover. 2,400,906; May 28.
- Beck, Cornelius C., Altoona, Pa. Earring. 2,398,995; Apr. 23.
- Beck, Edward R., Salt Lake City, Utah. Welder's shield. 2,396,239; Mar. 12.
- Beck, Lester E., near Danville, Iowa. Power driven earth auger. 2,400,478; May 21.
- Beck, Morris B., Lawrence, assignor to Consolidated Investing Corporation, New York, N. Y. Portable fluorescent lamp. 2,413,599; Dec. 31.
- Beck, Rudolf, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Differential pressure gauge. 2,403,256; July 2.
- Beck, William J.: *See—*
- Fry, George H.
- Beck, William R., assignor to Goodman Manufacturing Company, Chicago, Ill. Coal mine haulage vehicle. 2,399,619; May 7.
- Beck, William R., assignor to Goodman Manufacturing Company, Chicago, Ill. Coal mine haulage vehicle. 2,405,636; Aug. 13.
- Beckelman, Abraham, New York, N. Y. Apparatus for forming an ornamental trimming. 2,404,941; July 30.
- Becker, Aloysius W., Chicago, Ill. Ash tray. 2,396,075; Mar. 5.
- Becker, Earl A., Topeka, Kans. Clothes rack or stand. 2,410,563; Nov. 5.
- Becker, Frederick B., Portland, Ore. Pipe coupler interlock. 2,413,402; Dec. 31.
- Becker, George, Forest Hills, N. Y. Hinge and latch construction. 2,398,573; Apr. 16.
- Becker, George A., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube and electrode for the same. 2,395,813; Feb. 19.
- Becker, George A., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum pump. 2,397,591; Apr. 2.
- Becker, George A., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Making electronic tubes. 2,401,040; May 28.
- Becker, Gottfried, Buderich, near Dusseldorf, K. Daevs, Dusseldorf, and F. Steinberg, Dusseldorf-Eller, Germany; vested in the Alien Property Custodian. Introduction of chromium into steel articles. 2,399,848; May 7.
- Becker, Harold J., assignor to Merck & Co., Inc., Rahway, N. J. Stabilized caprous oxide. 2,409,413; Oct. 15.
- Becker, John E., Toronto, Ontario, Canada. Snow removal apparatus. 2,403,257; July 2.
- Becker, John S., Poughkeepsie, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Hydraulic transmission apparatus. 2,411,772; Nov. 26.
- Becker, Joseph, assignor, by mesne assignments, to Koppers Company, Inc., Pittsburgh, Pa. Coke-oven method. 2,402,592; June 25.
- Becker, Lester O., assignor to J. Pavelka, St. Louis, Mo. Ratchet mechanism. 2,407,468; Sept. 10.
- Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser-foot lifting mechanism for sewing machines. 2,401,216; May 28.
- Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work feeding mechanism for sewing machines. 2,409,242; Oct. 15.
- Beckerman, Raymond, Danbury, Conn. Finger bandage. 2,407,735; Sept. 17.
- Bekett, John C., U. S. Navy. Stud welding. 2,405,177; Aug. 6.
- Beckman, Arnold O., assignee: *See—*
- Mortensen, Raymond A.
- Beckman, Charles E., and E. B. Dodds, Chicago, Ill., assignors to Better Packages, Inc., Shelton, Conn. Electrically controlled strip serving machine. 2,408,363; Oct. 1.
- Beckman, Gustaf S., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Bobbin-identifying device for winding machines. 2,411,242; Nov. 19.
- Beckman, Gustaf S., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Bobbin-identifying device for winding machines. 2,411,243; Nov. 19.
- Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Container for pencil leads and the like. 2,408,902; Oct. 8.
- Beckstrom, Harry A., assignor to J. G. Frost, Seattle, Wash. Igniting liquid fuel. 2,407,973; Sept. 24.
- Beckwith, Edwin L., Brookline, Mass., and R. B. Harrison, Dover, N. H., assignors to Beckwith Manufacturing Company, Shoemaking. 2,412,385; Dec. 10.
- Beckwith, Glenwood J., Brecksville, Ohio, assignor to The American Steel and Wire Company of New Jersey. Electropolishing stainless steel. 2,411,410; Nov. 19.
- Beckwith, John R., assignor, by mesne assignments to Belmont Radio Corporation, Chicago, Ill. Direct coupled amplifier. 2,400,734; May 21.
- Beckwith Manufacturing Company, assignee: *See—*
- Beckwith, Edwin L., and Harrison.
- Lovell, Stanley P., and Russell.
- Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Dipper trip mechanism. 2,395,031; Feb. 19.
- Beckwith, Wendell K., Whitewater, assignor to Milwaukee Electric Tool Corporation, Milwaukee, Wis. Planishing machine. 2,395,366; Feb. 19.
- Bedford, Alda V.: *See—*
- Wendt, Karl R., and Bedford.
- Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Secret communication system. 2,401,402; June 4.
- Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Cathode ray deflection circuit. 2,403,487; July 8.
- Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Steering device. 2,404,942; July 30.
- Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Pulse-echo position indicator. 2,412,689; Dec. 17.
- Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Secret signaling. 2,401,403; June 4.
- Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Electrical multiplying circuit. 2,401,404; June 4.
- Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Method of and means for synchronizing wave generators. 2,401,405; June 4.
- Bedford, Alda V., and F. P. Wipe, Princeton, N. J., assignors to Radio Corporation of America. Reciprocal circuit for secret communication. 2,401,406; June 4.
- Bedford, Alda V., Princeton, and K. R. Wendt, Hightstown, N. J., assignors to Radio Corporation of America. Signal correction circuit. 2,405,280; Aug. 6.
- Bedford, Alexander W.: *See—*
- Hall, Chester I., and Bedford.
- Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric circuit. 2,405,397; Aug. 6.
- Bedford, Leslie H., London, England, assignor to A. C. Cossor Limited. Electrical apparatus. 2,402,359; June 18.
- Bedingfield, Wade R., assignee: *See—*
- Colley, George F.
- Bednar, Joseph V., and S. P. Peck, McKeesport, Pa., assignor to National Tube Company. Forming cylinder ends. 2,408,596; Oct. 1.
- Bednash, Casper S., Jersey City, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Indicator. 2,401,327; June 4.
- Beche, Fredrick E., Willowick, Ohio. Pilot valve construction. 2,402,011; June 11.
- Beech Aircraft Corporation, assignee: *See—*
- Harmon, Ralph M.
- Odeveff, Alec S.
- Beecher, Eugene L., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,394,355; Feb. 5.
- Beecher, Eugene L., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,394,356; Feb. 5.

- Beecher, Eugene L., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,396,227; Mar. 12.
- Beechlyn, John T., Worcester, assignor to Submarine Signal Company, Boston, Mass. Spotting submarines. 2,405,990; Aug. 20.
- Beech-Nut Packing Company, assignee: See—McBean, Douglas M.
- Beede, Arnold H., Fairfield, assignor to Electrolux Corporation, Old Greenwich, Conn. Cord winder. 2,393,511; Jan. 22.
- Beede, Harry L., Fort Lee, assignor to The Okonite-Cullender Cable Company, Incorporated, Paterson, N. J. Buoyant electric cable. 2,396,273; Mar. 12.
- Beede, Harry L., Fort Lee, assignor to The Okonite-Cullender Cable Company, Incorporated, Paterson, N. J. Buoyant electric cable. 2,396,274; Mar. 12.
- Beede, Harry L., Fort Lee, assignor to The Okonite-Cullender Cable Company, Incorporated, Paterson, N. J. Buoyant electric cable. 2,409,529; Oct. 15.
- Beedle, Percy J., Portland, Oreg. Centering device for lathes. 2,397,773; Apr. 2.
- Beel, Louis, Long Meadow, Mass. Multiple injection pump. 2,405,938; Aug. 20.
- Beeley, Henry L., Glen Ellyn, R. H. Gilbert, Oak Park, and R. H. Lacart, Chicago, Ill., assignors to The Electricmatic Corporation. Valve. 2,398,775; Apr. 23.
- Beeley, Nathan S., Jr., See—Lighthown, Irving E., and Beeley.
- Bee-Line Company, assignee: See—Smith, Roy D.
- Beeman, Lyle, Ann Arbor, Mich. Pressure switch. 2,393,455; Jan. 22.
- Beerbower, Alan: See—Morway, Arnold J., and Beerbower.
- Beerli, George A. G., North Arlington, N. J., assignor to Congoleum-Nairn, Inc. Machine for reinforcement of flexible webs. 2,395,799; Mar. 5.
- Beerli, Louis, Engelberg, Switzerland. Ski binding. 2,400,065; May 14.
- Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Television apparatus. 2,400,066; May 14.
- Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Television pickup control system. 2,403,628; July 9.
- Beers, John L., Briar Cliff Manor, assignor to North American Philips Company, Inc., Dobbs Ferry, N. Y. Cathode ray tube assembly. 2,404,899; July 30.
- Beery, Parris B., assignee: See—Berlin, Nelson M.
- Beese, Norman C., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High efficiency fluorescent lamp. 2,392,305; Jan. 8.
- Beese, Norman C., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Separation of gases. 2,394,387; Feb. 5.
- Beeth, Clarence D., Jacksboro, Tex. Pulldown device. 2,393,603; Jan. 29.
- Beezley, Reginald R., Memphis, Tenn. Lock-ring positioner for bearings. 2,393,735; Jan. 29.
- Begeman, Charles R.: See—Cramer, Paul L., and Begeman.
- Beggs, Don, assignor, by mesne assignments, to Surface Combustion Corporation, Toledo, Ohio. Igniting means for burners. 2,398,611; Apr. 16.
- Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Electron tube structure and the manufacture thereof. 2,402,119; June 18.
- Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Fabrication of discharge devices. 2,411,184; Nov. 19.
- Beggs, Joseph S., Schenectady, and D. B. McRae, and J. H. Eagle, assignors to Eastman Kodak Company, Rochester, N. Y. Variable circle for stadiametric range finders. 2,405,731; Aug. 13.
- Behr-Manning Corporation, assignee: See—Oglesby, Nicholas E.
- Behr, Samuel J., assignee, et al.: See—Krauss, Phillip.
- Behr, Siegfried, Flushing, N. Y. Lady's hair ornament. 2,407,393; Sept. 30.
- Behrens, Herbert C., Haddon Heights, assignor to Samuel M. Langston Co., Camden, N. J. Cutoff drive mechanism. 2,394,589; Feb. 12.
- Behrens, Herbert C., Haddon Heights, assignor to Samuel M. Langston Co., Camden, N. J. Mill rod stand. 2,405,637; Aug. 13.
- Behrens, Herbert C., Haddon Heights, assignor to Samuel M. Langston Co., Camden, N. J. Adjusting and driving mechanism for rotary members. 2,412,243; Dec. 10.
- Behrens, Walter A., Jamaica, assignor to Pathe Tool Manufacturing Co., Inc., Long Island City, N. Y. Shuttle holder. 2,400,528; May 21.
- Behrens, Walter A., Jamaica, assignor to Pathe Tool Manufacturing Co., Inc., Long Island City, N. Y. Automatic stop device for sewing machines. 2,400,529; May 21.
- Behrman, Abraham S., assignor to Infleco Incorporated, Chicago, Ill. Treating silica gel. 2,400,907; May 28.
- Belar, Kurt A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Fluid sealing device. 2,407,218; Sept. 10.
- Belji, Zako S., London, England. Roof of colliery or other workings. 2,398,130; Apr. 9.
- Beimer, George M., Rutherford, assignor to Couse Laboratories, Newark, N. J. Storing and treating structure for welding electrodes. 2,391,940; Jan. 1.
- Beinhart, Ernest G.: See—Woodward, Charles F., Talley, Mayer, and Beinhart.
- Beira, Charles, Wichita, Kans. Lathe attachment for making duplicate pieces. 2,399,313; Apr. 30.
- Beiser, Elmer H., Peru, E. L. Berninger, La Salle, and M. E. Schlenker, Peru, Ill., assignors to General Time Instruments Corporation, New York, N. Y. Apparatus for testing and adjusting barometric fuses. 2,411,355; Nov. 19.
- Beishline, Allen W., U. S. Navy. Gyro-horizon training device. 2,395,838; Mar. 5.
- Bejeuhr, Walter, Bronx, assignor to American Turbotor Corporation, New York, N. Y. Rotary device for positive fluid action. 2,413,209; Dec. 24.
- Belada, John, Glassboro, N. J., assignor to Owens-Illinois Glass Company. Filing machine. 2,407,053; Sept. 3.
- Belanger, Albert P., Chicago, Ill. Shipping band for bombs and projectiles. 2,402,145; June 18.
- Belanger, Albert P., D. Alton, Ill. Polygonal separable section container. 2,403,901; July 16.
- Belanger, Albert P., D., assignor of one-half to J. Teller, Chicago, Ill. Packing case. 2,392,630; Jan. 8.
- Belanger, Louis, Salem, Mass. Spot facing tool. 2,404,027; July 16.
- Belar, Herbert: See—Sinnott, Chester M., and Belar.
- Belau, Kenneth E., Milwaukee, Wis. Support. 2,401,041; May 28.
- Belcher, Clarence F., Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing chloroidanthorones. 2,413,483; Dec. 31.
- Belcher, Daniel, assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Closing bag tube ends. 2,406,791; Sept. 3.
- Belcher, Harold H., assignor to Rodney Hunt Machine Company, Orange, Mass. Furling mill. 2,409,011; Oct. 8.
- Belchetz, Arnold, Kew Gardens, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion. 2,408,725; Oct. 8.
- Belden, Albert C., G. G. Flygare, and O. E. Hill, Worcester, Mass., assignors to Norton Company. Crankshaft grinding machine. 2,404,613; July 23.
- Belden, Perry, Lansdale, Pa., assignor to National Union Radio Corporation, Newark, N. J. Carton. 2,399,537; Apr. 9.
- Beldi, Fritz, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Protective switch gear. 2,397,912; Apr. 9.
- Belford, George F., Milford, Mass. Bobbin receptacle support. 2,401,602; June 4.
- Bel Geddes, Norman: See—Wales, Nathaniel B.
- Bel Geddes, Norman, and Company, assignee: See—Bel Geddes, Nathaniel B.
- Bell Aircraft Corporation, assignee: See—Carlzen, Carl F., Maurer, Le Roy F., and Trotter.
- Mitten, John T., Rowe, Donald C., Schultz, Gerard E., Schwartz, Arthur A., Trotter, John C., Trotter, John C., Holland, and Schultz.
- Wolf, Robert A., and Bowers, Woods, Robert J.
- Bell, Alan: See—Allen, Charles F. H., and Bell.
- Bell, Arthur R., assignor of twenty-five per cent to W. J. Horn, twenty-five per cent to F. S. Horn, Philadelphia, and twenty-five per cent to A. J. Miller, Bala-Cynwyd, Pa. Sewing thread for elastic fabrics. 2,397,460; Apr. 2.
- Bell, Audley P., Claysville, Pa. Switch box ear. 2,397,637; Apr. 2.
- Bell, Clarence D.: See—Woodhouse, John C., and Bell.
- Bell, David A., and A. H. A. Wynn, assignors to A. C. Cossor Limited, London, England. Electrical apparatus. 2,408,192; Sept. 24.
- Bell, David S., and O. R. Wikander, Pittsburgh, assignors to Edgewater Steel Company, Oakmont, Pa. Automatic gun. 2,395,241; Feb. 19.
- Bell, Edward R.: See—Dickey, Frank H., and Bell.
- Rust, Frederick F., Dickey, and Bell.
- Bell & Gas Company, assignee: See—Tidd, Edwin B.
- Bell & Howell Company, The, assignee: See—Bruske, George A., McNabb, Louis A., Phillimore, Charles E., Steebart, Bruno, Townsley, Malcolm G., Zuber, John G.
- Bell, Ian C.: See—Strang, John M., and Bell.

- Bell, John M., Chester, S. C. Drag testing apparatus. 2,398,574; Apr. 16.
- Bell, John P., Baltimore, Md. Mold. 2,392,968; Jan. 15.
- Bell, Joseph D., San Francisco, Calif. Mechanical movement. 2,408,546; Oct. 1.
- Bell, Louis N., and R. R. and H. E. Harris, Sault Ste. Marie, Mich. Pontoon. 2,401,453; June 4.
- Bell, Millard R., Los Angeles, Calif., assignor to The B. F. Goodrich Company, New York, N. Y. Building form. 2,394,423; Feb. 5.
- Bell, Nicholas, Dearborn, Mich. Boring head. 2,398,491; Apr. 16.
- Bell, Richard T., Peterborough, Ontario, Canada. Multi-steelyard weighing mechanism. 2,400,972; May 28.
- Bell, Richmond T., See—
Thacker, Carlisle M., and Bell.
- Bell, Richmond T., Highland Park, H. O. Folkins, Skokie, and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Conversion of hydrocarbons. 2,394,654; Feb. 12.
- Bell, Richmond T., Deerfield, H. O. Folkins, Skokie, and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Conversion of hydrocarbons. 2,397,638; Apr. 2.
- Bell, Robert S., Tulsa, and R. Davenport, Pryor, Okla., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitric acid concentration. 2,403,902; July 16.
- Bell, Sidney R.: See—
Nelson, William B., Johnsen, Dyruff, and Bell.
- Bell Telephone Laboratories, Incorporated, assignee: See—
Abbott, Henry H., and Bascom.
Abraham, Leonard G.
Anderson, Alva E.
Anderson, Alva E. and Samuel.
Asbbaugh, Robert P., and Hall.
Babcock, Stuart M., Horton, and Logan.
Bacon, Walter M.
Bacon, Walter M., and Young.
Bain, John C.
Baldwin, Millard W., Jr.
Barber, Charles C.
Bascom, Henry M.
Bascom, Henry M., and Hubbard.
Baumfalk, John.
Beck, Alfred C.
Bies, Frank R.
Black, Robert, Jr.
Black, Robert, Jr., and Romanow.
Blattner, David G., and Clayden.
Bollman, John H.
Bostwick, Lee G.
Bostwick, Lee G., and King.
Bowen, Arnold E.
Bowne, Langford J.
Brown, John T. L.
Bruce, Edmond.
Budenbom, Horace T.
Buhndorf, Frederick G.
Butterfield, Joseph T., Knapp, and Runyon.
Cabill, Harold D.
Caughy, William K., and Swartzel.
Christensen, Howard.
Christopher, Arthur J.
Clark, John W.
Cory, Samuel I.
Cox, Francis A.
Coyne, Howard L., Kuhn, and Ross.
Davis, Gustof W.
Dehn, Joseph W.
Dehn, Joseph W., and Goddard.
Depp, Wallace A.
Dickleson, Alton C.
Doba, Stephen, Jr.
Dowey, Thomas L.
Drake, Percy B.
Dysart, Birney.
Edson, James O. and W. A., and Maggio.
Edwards, Paul G.
Edwards, William H., and Richardson.
Elliott, Stanley J., Hovgaard, Mallina, and Thomas.
Ellis, William C., and Souden.
Ellwood, Walter B.
Ellwood, Walter B., and Hill.
Elmer, Lloyd A., and Lovell.
Engelhardt, George B.
Feldman, Carl B. H., and Mueller.
Fetzer, Karl M., and Hoyt.
Fisk, James B.
Fitch, Karl E., and Locke.
Fox, Arthur G.
French, Norman R.
Friis, Harald T.
Friis, Harald T., and Rideout.
Fritschl, Walter W.
Fritts, Morris.
Galbreath, Robert R.
Ganz, Albert G.
Gent, Edgar W.
Goff, Harold W.
Goodale, Walter D., Jr.
- Bell Telephone Laboratories, Incorporated, assignee: See—
Contd.
Goodale, Walter D., Jr., and Romanow.
Goodale, Walter D., Jr., Lewis, and Martin.
Goddall, William M.
Graham, Robert E.
Gumley, Robert H.
Hampton, Leon N.
Hansen, Arnold A.
Hansen, Harry, and Mallina.
Harrison, Henry C.
Harry, William R.
Harry, William R., and Romanow.
Hartley, Ralph V. L.
Hartley, Ralph V. L., and Samuel.
Hartman, Paul L.
Hecht, George, and Lundstrom.
Heising, Raymond A.
Hersey, Ralph E.
Holbrook, Bernard D., and Logan.
Holden, William H. T.
Howard, John B.
Hubbard, Francis A.
Hysko, John L.
Ingelis, Alfred H.
Joel, Amos E., Jr.
Johnson, Kenneth S.
Kannenberger, Walter F., and McCoy.
Kellogg, William M.
Kindermann, Wilfred J.
Kindermann, Wilfred J., and Werring.
Kinkead, Fullerton S.
Kinkead, Fullerton S., Kinkead, Melhuish, Singer, and Smith.
Kinkead, Fullerton S., and Locke.
Kircher, Raymond J.
Kleinack, Joseph J., and Pearson.
Knab, Emil D.
Koenig, Walter, Jr.
Koenig, Walter, Jr., and Ruppel.
Kooz, Paul V.
Lacy, Lester Y.
Laico, Joseph P.
Laico, Joseph P., and Ronci.
Lane, Clarence E.
Lang, Wilmarth Y., and Watson.
Little, John B.
Llewellyn, Frederick B.
Locke, George A.
Lovell, Clarence A., Parkinson, Swartzel, and Weber.
Lovell, Clarence A., Parkinson, and Weber.
MacNair, Walter A.
MacPherson, Hugh D.
Majling, Anthony, and Stevens.
Mallina, Rudolph F.
Maloney, Martin E.
Malthaner, William A.
Mason, Warren P.
Matte, Andrew L.
McCann, Thomas A.
McCoy, Robert G.
McRae, James W.
Meacham, Larned A.
Meacham, Larned A., Mohr, and Parker.
Means, Winthrop J., and Slonczewski.
Miller, Ohmer R.
Mitchell, Doren.
Morton, Edmund R.
Morton, Edmund R., and Stoller.
Morton, Jack A.
Muller, Arno H.
Munson, Wilden A.
Myers, Oscar.
Newhouse, Russell C.
Norwine, Andrew C.
Och, Henry G., and Swartzel.
Ohi, Russell S.
Parker, Ralzemond D.
Parker, Ralzemond D., Rea, and Singer.
Parkinson, David B.
Patterson, Everett M.
Pearson, Gerald L.
Phepals, Walter A.
Pierce, John R.
Pierce, John R., and Shepherd.
Pollard, Charles E., Jr.
Pope, Thomas J.
Potter, James A.
Potter, Ralph K.
Priessman, Neil Y.
Ranges, John E.
Rea, Wilton T.
Rea, Wilton T., and Wilkerson.
Reynolds, Frederick W.
Rienstra, Albert R.
Ring, Douglas H.
Roberts, Leland C.
Ronci, Victor L.
Samuel, Arthur L.
Scaff, Jack H.
Schelkunoff, Sergei A.
Schellong, John C.
Schneckothe, Harry H.

- Bell Telephone Laboratories, Incorporated, assignee: *See*—
 Contd.
 Shanck, Roy B.
 Sharkey, Edward.
 Shepherd, William G.
 Shipley, Frank F.
 Shockley, William.
 Shockley, William, and Willard.
 Singer, Fred J.
 Skelllett, Albert M.
 Slauson, William C.
 Slonczewski, Thaddeus.
 Smith, Edward M.
 Southworth, George C.
 Stevens, Bruce E.
 Stoller, Hugh M.
 Swart, Leland K.
 Swartzel, Karl D., Jr.
 Swezey, Burdette A.
 Sykes, Roger A.
 Taylor, Raymond L.
 Teal, Gordon K.
 Thurber, Elmer A., and Wooten.
 Truckess, David E.
 Tyrell, Warren A.
 Vance, Robert L.
 Watson, Edward F.
 Wilkerson, Jefferson R.
 Willard, Gerald W.
 Williams, Samuel B.
 Wise, Raymond O.
 Wright, Paul L.
 Bell, Thomas J., Sarasota, Fla. Celery cutter. 2,410,860;
 Nov. 12.
 Bell, Thomas J., near Sarasota, Fla. Celery harvesting ap-
 paratus. 2,410,861; Nov. 12.
 Bell, William, Brooklyn, N. Y. Curved edge scissors.
 2,400,220; May 29.
 Bell, William L., Oakland, Calif. Surgical instrument.
 2,398,915; Apr. 23.
 Bell, William O.: *See*—
 Chandler, Bruce C., and Bell.
 Bellamy, Harry T., Evanston, Ill. Bonding vermiculite.
 2,397,083; Mar. 26.
 Bellamy Harry T., River Forest, Ill. Production of molded
 metallic articles. 2,397,831; Apr. 2.
 Bellamy, John I., Brookfield, assignor to Kellogg Switch-
 board and Supply Company, Chicago, Ill. Selector
 switching system. 2,400,530; May 21.
 Bellare, David, Brooklyn, assignor to Federal Telephone
 and Radio Corporation, New York, N. Y. Direction
 finder antenna. 2,408,034; Sept. 24.
 Belle Isle, A. L., assignee: *See*—
 Hicks, James A.
 Belle Weather Incorporated, assignee: *See*—
 Tucker, Thomas T.
 Bellezza, James, Jr., Richmond, Va., assignor to E. I. du
 Pont de Nemours & Company, Wilmington, Del. Snub-
 ber roller. 2,410,419; Nov. 5.
 Belling, Theodore H., Barrington, R. I., assignor to Fram
 Corporation. Exercising device. 2,408,597; Oct. 1.
 Bellingier, Eustace S., Hercules, Calif., assignor to Hercules
 Powder Company, Wilmington, Del. Explosive package.
 2,393,278; Jan. 22.
 Bellomo, Nicola, Bari, Italy: vested in the Alien Property
 Custodian. Propeller with variable pitch. 2,397,524;
 Apr. 2.
 Bellows, Warren S., assignor of one-fourth to E. H. Fox
 and one-fourth to O. Z. McCoy, Cleveland, Ohio. Lock-
 ing hinge. 2,391,861; Jan. 1.
 Belluche, Frank R., assignor to The Christensen Machine
 Company, Racine, Wis. Sheet registering mechanism.
 2,395,444; Feb. 26.
 Belluche, Frank R., assignor to The Christensen Machine
 Company, Racine, Wis. Sheet registering mechanism.
 2,395,445; Feb. 26.
 Belluche, Frank R., assignor to The Christensen Machine
 Company, Racine, Wis. Continuous feeder for card-
 board. 2,396,240; Mar. 12.
 Belmont Body Builders, assignee: *See*—
 Winarsky, Nathan and B.
 Belmont Radio Corporation, assignee: *See*—
 Beckwith, John R.
 Huff, John W.
 O'Brien, Edgar.
 Plesler, Alexander W.
 Rankin, John A.
 Beloit Iron Works, assignee: *See*—
 Berry, Earl E.
 Goodwillie, John E.
 Goodwillie, John E., and Berry.
 Hornbostel, Lloyd.
 Belsher, Harold E., Phoenix, Ariz. Air filter. 2,408,158;
 Sept. 24.
 Beltz, Ed, Bazine, Kans. Supplemental lifting finger for
 cutter bar. 2,394,838; Feb. 12.
 Beltz, Lester L., assignor to Packard Motor Car Company,
 Detroit, Mich. Internal-combustion engine. 2,408,598;
 Oct. 1.
 Belzowski, Joseph, assignee, et al.: *See*—
 Andrzewski, Clara.
 Beman, Floyd L.: *See*—
 Reiter, Alfred A., and Beman.
 Bement, Nahum C., Rockford, Ill. Positive drive differ-
 ential. 2,405,732; Aug. 13.
 Bemis Bro. Bag Company, assignee: *See*—
 Albin, Alonzo E.
 Belcher, Daniel.
 Brady, Charles V.
 Debate, Robert.
 Geimer, William J., and Linda.
 Hannwald, Burton A., Lee, and Wheatley.
 Weeks, Arnold N.
 Williams, Russell J., and Davis.
 Williams, Russell J., and Littlefield.
 Bemis, Edwin W., East Orange, N. J., assignor to American
 Telephone and Telegraph Company. Teletypewriter
 secrecy system. 2,401,454; June 4.
 Bemis, Edwin W., East Orange, N. J., assignor to Ameri-
 can Telephone and Telegraph Company. Object locator.
 2,405,281; Aug. 6.
 Bemis, Kenneth E., Oakland, Calif. Wrapping and seal-
 ing. 2,395,531; Feb. 26.
 Benander, George B., Oaklawn, assignor to Monowatt
 Electric Corporation, Providence, R. I. Electric plug.
 2,398,996; Apr. 23.
 Benander, George B., Oaklawn, R. I., assignor to Monowatt
 Electrical Corporation. Outlet box and ground strap
 provided with cable clamps. 2,411,017; Nov. 12.
 Benander, George B., Oaklawn, R. I., assignor to Mono-
 watt Electrical Corporation. Wiring device. 2,411,018;
 Nov. 12.
 Benbow, James D., and G. W. Sines, Aurora, Ill., assignors
 to Austin-Western Company. Hopper bottom car and
 trailer. 2,401,407; June 4.
 Benda, George, Inc., assignee: *See*—
 Hilary, Thomas J.
 Bender, Arthur, assignee: *See*—
 Davis, John H.
 Bender, Byron W., Cupsaw Lake, N. J., assignor to United
 States Rubber Company, New York, N. Y. Curing neo-
 prene. 2,411,773; Nov. 26.
 Bender, Emil A.: *See*—
 McCarthy, Robert E.
 Bender, Lloyd F.: *See*—
 Shurts, Englebert, and Bender.
 Bender, Richard O.: *See*—
 Pedersen, Charles J., and Bender.
 Bendix Aviation, assignee: *See*—
 MacBlane, James.
 Bendix Aviation Corporation, assignee: *See*—
 Adams, Arben H.
 Adams, Arben H., and Tucker.
 Becker, John S.
 Berges, Donald M.
 Bevins, James E.
 Joyce, Edward D.
 Bremser, Albert T.
 Buxton, James E.
 Chandler, Milton E.
 Christian, Frank T.
 De Kles, Nicholas.
 Dewey, Clarence L.
 Du Bois, William H.
 Elkin, Manuel H.
 Eltgroth, George V.
 Emerson, Richard C.
 Engbrecht, Herman J.
 Fant, William J., Jr.
 Fell, William F.
 Frank, Frederick C.
 Frei, Jakob R.
 Gartner, John.
 Goepfrich, Rudolph A.
 Goepfrich, George A.
 Harrison, Robert R.
 Hegy, Louis.
 Hermann, Heinrich.
 Hood, Edwin E.
 House, Bryan E.
 Hunt, Scott E.
 Hurley, Roy T.
 Hurley, Roy T., and Merritt.
 Jandasek, Joseph.
 Johnston, James H.
 Jones, Burr W.
 Ketay, Morris F., and Sherman.
 Kreafer, Paul H.
 Lawrence, Donald M.
 Lehman, Samuel K., and Taylor.
 Lum, George P.
 MacBlane, James.
 MacCallum, Alan M.
 Mathieson, Andrew C.
 Merritt, George E., and Jones.
 Miles, George S.
 Miller, Donald L.
 Miller, Raymond J.
 Mock, Frank.
 Mock, Frank C., and Partington.
 Murphy, Norman B.
 Naegely, John C.
 Nardone, Romeo M.
 Neld, William G.
 Noxon, Paul A.
 Pontius, George W., III.

- Bendix Aviation Corporation, assignee: *See*—Contd.
- Pontius, George W. III, and Kuzmitz.
- Pontius, George W. III, and Wilson.
- Pontius, George W. III, Wilson, and Kuzmitz.
- Price, Earl R.
- Fross, William C.
- Rankin, Donald J.
- Relchel, Wladimir A.
- Rylsky, Gregory V.
- Rylsky, Gregory V., and Schule.
- Schultz, Harold B.
- Sekella, Yous, Sept. 3.
- Sheehan, William E.
- Slayton, Robert E.
- Sloane, Robert W., and Bimberg.
- Smith, Donald W.
- Spengler, Walter J.
- Spengler, Walter J., Tognola, and Frei.
- Sutton, Bernard G.
- Taylor, Myron L.
- Teague, Walter D., Jr.
- Thompson, Albert L.
- Trautman, Walter C.
- Wald, Gerson E.
- Whitney, Maurice P.
- Whitney, Maurice P., Buxton, and Miller.
- Winchel, Henry T.
- Wirth, Emil O.
- Wisman, F. O., and Rohn.
- Wood, Louvan E.
- Bendix Home Appliance, Inc., assignee: *See*—
- Bowen, Myron W., and Burnett.
- Green, Maurice W.
- Bendix Products Corporation, assignee: *See*—
- Baade, Henry
- Parlington, Edward J.
- Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
- Casler, Roger H.
- Eaton, Wilfred A.
- Fitch, Elery B.
- Ralston, James V.
- Vorech, Stephen.
- Williams, Herbert J.
- Bendix, Waldemar I., Arlington, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic differential timer. 2,393,015; Jan. 15.
- Benecke, Louis A., St. Louis, Mo. Exercise club. 2,396,408; Mar. 12.
- Benedict, Leon C., Mansfield, Mass., assignor to United-Rexall Drug Company. Cocoa manufacture. 2,397,402; Mar. 26.
- Beneke, Charles, Louisville, Ky., assignor to Reynolds Metals Co. Richmond, Va. Inhibiting blistering in heat-treating aluminum alloys. 2,400,804; May 21.
- Beneke, Herman J., Faribault, Minn. Hoe. 2,406,280; Aug. 20.
- Benford, James R., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Device for testing light polarizing elements. 2,412,074; Dec. 3.
- Benham, Kent W., Cleveland Heights, assignor to The Sanymetol Products Co., Inc., Cleveland, Ohio. Wall construction. 2,397,940; Apr. 9.
- Benioff, Hugo, Pasadena, Calif., assignor to Submarine Signal Company, Boston, Mass. Vibrator. 2,402,593; June 25.
- Benioff, Hugo, La Canada, Calif., assignor to Submarine Signal Company, Boston, Mass. Sound transmitter and receiver. 2,405,185; Aug. 6.
- Benioff, Hugo, La Canada, Calif., assignor to Submarine Signal Company, Boston, Mass. Piezoelectric vibrator. 2,405,186; Aug. 6.
- Benioff, Hugo, La Canada, Calif., assignor to Submarine Signal Company, Boston, Mass. Piezoelectric transducer. 2,405,187; Aug. 6.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Piezoelectric oscillator. 2,406,792; Sept. 3.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,407,245; Sept. 10.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Ranging system. 2,407,644; Sept. 17.
- Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Observation system. 2,408,035; Sept. 24.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,408,405; Oct. 1.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,408,406; Oct. 1.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. High-frequency apparatus. 2,408,407; Oct. 1.
- Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,413,309; Dec. 31.
- Benjamin, Louis, Brooklyn, N. Y. Expandible work holder. 2,392,453; Jan. 8.
- Benjamin, Theodore R., assignor of one-half to E. J. Burger, San Bernardino, Calif. System of reproducing sound. 2,410,956; Nov. 12.
- Benjamin, Walter E., assignor to Pierce Governor Company, Anderson, Ind. Booster control. 2,411,705; Nov. 26.
- Benke, Erwin, assignee: *See*—
- Benkoe, Ivan.
- Benkoe, Ivan, London, N. W. 3, England, assignor to E. Benkow, Bronx, N. Y. Device for measuring changes of distance between two relatively movable parts. 2,406,793; Sept. 3.
- Benn, Stephen J., Philadelphia, Pa. Deodorant dispensing device. 2,406,314; Aug. 27.
- Benner, Howard J., Longmeadow, assignor to The F. W. Sickles Company, Chicopee, Mass. Radio apparatus. 2,400,531; May 21.
- Benner, Howard J., Springfield, Mass., assignor of one-half to Colonial Radio Corporation, Buffalo, N. Y., and one-half to The F. W. Sickles Company, Springfield, Mass. Superheterodyne receiver. 2,412,244; Dec. 10.
- Benner, Howard J., and A. M. Hadley, Longmeadow, assignors to The F. W. Sickles Company, Chicopee, Mass. Inductance core composition. 2,413,098; Dec. 24.
- Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Optical system. 2,407,219; Sept. 10.
- Bennett, Alva H., Kenmore, N. Y., and E. D. Tillyer, assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Optical scanning device and method of making. 2,404,770; July 30.
- Bennett, Alva H., Kenmore, and O. W. Richards, Snyder, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Microscope. 2,406,526; Aug. 27.
- Beet, Edward F., West Barrington, and H. W. Jacobson, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company. Driving and control mechanism. 2,396,632; Mar. 19.
- Bennett, Charles E., Ridgewood, N. J. Method of lining pipe with plastic material. 2,399,349; May 7.
- Bennett, Charles E., Ridgewood, assignor to The Okonite Company, Passaic, N. J. Electric cable. 2,409,530; Oct. 15.
- Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electrode for buoyant cables. 2,409,531; Oct. 15.
- Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric power distribution system. 2,412,556; Dec. 17.
- Bennett, Charles R., East Cleveland, Ohio. Erasing attachment for typewriters. 2,394,139; Feb. 5.
- Bennett, Clyde T., assignee: *See*—
- Fox, Sherman H.
- Bennett, Dale L., *See*—
- Beatty, John T., and Bennett.
- Bennett, Dale L., Flossmoor, assignor to United Specialties Company, Chicago, Ill. Cleaner construction. 2,397,525; Apr. 2.
- Bennett, Daniel F., and A. R. Maier, Oil City, Pa., assignors to Oil Well Supply Company. Rotary drilling unit. 2,408,364; Oct. 1.
- Bennett, Edward H., *See*—
- Snyder, Harold H., and Bennett.
- Bennett, Edward H., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Article transfer mechanism. 2,408,599; Oct. 1.
- Bennett, Elbert R., Delhi, Calif. Gap closer for irrigation ridges. 2,393,279; Jan. 22.
- Bennett-Feragen, Inc., assignee: *See*—
- Bennett, Harold L.
- Bennett, Frank P., *See*—
- Musebeck, George E., and Bennett.
- Bennett, George A., deceased, New Barnet, England; H. M. Bennett, executrix. Wheel for vehicle. 2,404,269; July 16.
- Bennett, Harold F., assignor to Eastman Kodak Company, Rochester, N. Y. Catadioptric television projector. 2,409,971; Oct. 22.
- Bennett, Harold L., South Bend, Ind., assignor, by mesne assignments, to Bennett-Feragen, Inc., Seattle, Wash. Dynamometer roll shields. 2,397,461; Apr. 2.
- Bennett, Hilda M., executrix: *See*—
- Bennett, George A.
- Bennett, James B., Los Angeles, and J. J. McCarter, Alhambra, Calif., assignors, by mesne assignments, to Thermoid Company. Making rubber wheels. 2,400,973; May 28.
- Bennett, John G., *See*—
- Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Philipotts.
- Bennett, John M., assignor to Tulin Corporation, New York, N. Y. Key case. 2,400,221; May 14.
- Bennett, John V., *See*—
- Schlosser, Paul H., Bennett, and Gray.
- Bennett, Ralph S., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,393,584; Jan. 29.
- Bennett, Robert B., Detroit, Mich. Scraper. 2,410,420; Nov. 5.
- Bennett, Robert M., Ithan, and G. H. Szyrov, Philadelphia, Pa., assignors to General Electric Company. Time delay device. 2,393,736; Jan. 29.

- Bennett, Robert N.: *See*—
George, Charles L., and Bennett.
Lawrence, Donald M.
- Bennett, Thomas F., Joplin, Mo., assignor to Hercules Powder Company, Wilmington, Del. Explosive cartridge assembly. 2,403,488; July 9.
- Bennett, Walter E. Jr., assignee: *See*—
Watson, Horace C., and Bennett.
- Bennett, Willard H., Columbus, Ohio, Method and apparatus for reducing static interference in aircraft radio. 2,397,118; Mar. 26.
- Bennett, William O., Jr., Lancaster Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa. Frequency multiplying apparatus. 2,402,012; June 11.
- Bennett, William O., Jr., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Apparatus for testing waterproof watch-cases. 2,407,945; Sept. 17.
- Benning, Anthony F., Woodstown, F. B. Downing, Penns Grove, N. J., and E. J. Plunkett, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Refrigerants and making them. 2,393,304; Jan. 22.
- Benning, Anthony F., Woodstown, F. B. Downing, Carney's Point, N. J., and J. D. Park, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Pyrolysis of tetrafluoroethylene polymer. 2,394,581; Feb. 12.
- Benning, Anthony F., Woodstown, N. J., and J. D. Park, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of trifluoro acetic acid. 2,396,076; Mar. 5.
- Benning, Anthony F., Woodstown, N. J., and W. H. Markwood, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Molding process. 2,400,094; May 14.
- Benning, Anthony F., Woodstown, and F. B. Downing, Penns Grove, N. J., and R. J. Plunkett, assignors to Kinetic Chemicals Inc., Wilmington, Del. Preparation of tetrafluoroethylene. 2,401,897; June 11.
- Benning, Anthony F., Woodstown, F. B. Downing, Carney's Point, N. J., and J. D. Park, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Separating pyrolysis products of chlorodifluoromethane. 2,406,704; Sept. 3.
- Benning, Anthony F., Woodstown, N. J., and J. D. Park, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Halogenation. 2,407,129; Sept. 3.
- Benning, Anthony F., Woodstown, N. J., and J. D. Park, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Fluoro-chloro hydrocarbons and making them. 2,407,246; Sept. 10.
- Bennington, C. H., Mfg. Co., Inc., assignee: *See*—
Hinkle, George
- Bensel-Brice Corporation, assignee: *See*—
Bensel, Duryea.
- Bensel, Duryea, assignor to Bensel-Brice Corporation, Los Angeles, Calif. Preserving food products. 2,401,131; May 28.
- Benskin, Annette, El Dorado Springs, Mo. Dust pan. 2,399,850; May 7.
- Benson, Albert H., Hopewell, N. J. Window or the like for canvas coverings. 2,391,871; Jan. 1.
- Benson, Albin N.: *See*—
Hansen, Albert W., and Benson.
- Benson, Gerald L., Lodi, Ohio. Seal. 2,401,539; June 4.
- Benson, John H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Evaporator unit. 2,395,839; Mar. 5.
- Benson, John M., Milwaukee, Wis. Fishing rod and reel assembly. 2,409,098; Oct. 8.
- Benson, Watson L., Bridgeton, Ind. Chemicals for treating plant life. 2,395,446; Feb. 26.
- Bent, Arthur J.: *See*—
Rush, John W., and Bent.
- Bent, Arthur J., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve device. 2,398,877; Apr. 23.
- Bent, Franklin A., Berkeley, and K. E. Marple, Oakland, assignors to Shell Development Company, San Francisco, Calif. Polyvinyl chloride composition. 2,393,512; Jan. 22.
- Bent, Franklin A., Berkeley, and K. E. Marple, Oakland, assignors to Shell Development Company, San Francisco, Calif. Polyvinyl acetal plasticized with a diglycerol ether. 2,393,513; Jan. 22.
- Bent, Franklin A., Berkeley, and C. R. Ryan, Albany, assignors to Shell Development Company, San Francisco, Calif. Castor oil products and preparation of same. 2,394,742; Feb. 12.
- Bent, Franklin A., Berkeley, and K. E. Marple, Oakland, assignors to Shell Development Company, San Francisco, Calif. Polyvinyl acetal composition. 2,400,333; May 14.
- Benthall, Frederick L., Sr., Houston, Tex. Lawn edger. 2,410,196; Oct. 29.
- Bentham, Albert E., assignor to The Baltimore Paper Box Company, Baltimore, Md. Carton. 2,398,402; Apr. 16.
- Bentham, Albert E., assignor to The Baltimore Paper Box Co., Baltimore, Md. Carton. 2,401,742; June 11.
- Bentley Engineering Company Limited, The, assignee: *See*—
Brooksby, Ernest, and Deans.
- Bentley, George P.: *See*—
Frische, Carl A., Bentley, and Halpert.
- Bentley, Harris Mfg. Co., assignee: *See*—
Harris, Joseph M.
- Bentley, Howard: *See*—
Bentley, Robert and H.
- Bentley, Oliver D. H., Dover, assignor to R. F. Sturtevant Company, Boston, Mass. Bearing. 2,407,807; Sept. 17.
- Bentley, Robert, Monroe, and H. Bentley, Detroit, Mich. Filling spout. 2,499,532; Oct. 15.
- Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Indexing means for multiposition electric switches. 2,399,906; May 7.
- Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Quick-acting switch mechanism. 2,412,119; Dec. 3.
- Benton, Dudley C., assignor, by decree of court, of one-half to M. E. Warren, San Diego, Calif. Blind fastening bolt and nut. 2,403,330; July 2.
- Benz, Frank J., Morgan Hill, Calif. Ladder. 2,396,813; Mar. 19.
- Benz, Helmut, and F. Kugel, Heidenheim, Brenz, Germany, vested in the Allen Property Custodian. Combined hydro-mechanical gear. 2,392,520; Jan. 8.
- Benz, Herbert G., assignee: *See*—
Stephan, Fritz.
- Benzel, Howard A.: *See*—
Meidenbauer, Phillip E., Jr., and Benzel.
- Berberich, Leo J.: *See*—
Barker, Harry H., Hill, and Berberich.
- Berck, William F.: *See*—
Renfrew, Paul, and Berck.
- Berck, William F., assignor to Ralph N. Brodie Company, Oakland, Calif. Rotary liquid meter. 2,395,714; Feb. 26.
- Berck, William F., assignor to Ralph N. Brodie Company, Oakland, Calif. Adjusting mechanism for fluid meters. 2,395,715; Feb. 26.
- Berck, William F., assignor to Ralph N. Brodie Company, Oakland, Calif. Fluid meter. 2,399,316; Apr. 30.
- Beregh, Jean D., assignee: *See*—
Beregh, Theodore J.
- Beregh, Theodore J., deceased, Patchogue, N. Y., assignor of fifty-one one-hundredths to F. V. McMahon, as trustee, New York, N. Y.; I. B. Moffatt, administratrix, assignor to J. D. Beregh, Orange, N. J. Apparatus for opposing offset and eliminating static in printing. 2,394,656; Feb. 12.
- Beregh, Theodore J., deceased, Patchogue, N. Y., assignor of fifty-one one-hundredths to F. V. McMahon, as trustee, New York, N. Y.; I. B. Moffatt, administratrix, assignor to J. D. Beregh, Orange, N. J. Apparatus for preventing offset. 2,394,657; Feb. 12.
- Bereit, Edwin W., assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Work tumbling conveyor mechanism. 2,395,391; Feb. 26.
- Berejkoff, Anatole P., Schenectady, N. Y., assignor to General Electric Company. Indicator lamp. 2,405,809; Aug. 13.
- Berg, Bennie L., Madison, Wis., and C. E. Watson, La Grange, Ill., said Watson assignor to said Berg. Dock roller for boats and the like. 2,405,810; Aug. 13.
- Berg, Bernhard C.: *See*—
Lowell, Joseph, and Berg.
- Berg, Clyde H. O.: *See*—
Doumani, Thomas F., and Berg.
- Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Cracking process. 2,408,600; Oct. 1.
- Berg, Elaine, Chicago, Ill. Ear muff. 2,413,283; Dec. 31.
- Berg, Floyd H., Minneapolis, Minn. Washing and drying fabric articles. 2,408,749; Oct. 8.
- Berg, Leo, assignor to Stewart-Warner Corporation, Chicago, Ill. Shielded coil. 2,407,916; Sept. 17.
- Berg, Leo F., Oak Park, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Electric oven. 2,392,796; Jan. 8.
- Berg, Lloyd O'Hara Township, Allegheny County, and G. L. Sumner, Jr., and C. W. Montgomery, Oakland, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic isomerization of olefinic hydrocarbons. 2,397,639; Apr. 2.
- Berg, Maurice O., Chicago, Ill. Bowling ball. 2,396,228; Mar. 12.
- Berg, Quentin, Detroit, Mich. Driver's seat. 2,391,872; Jan. 1.
- Berg, Quentin, Detroit, Mich. Travel lock. 2,411,863; Dec. 3.
- Berg, Willie, Chicago, Ill. Unitary foldable music stand. Re. 22,826; Dec. 31.
- Bergelm, Frank H.: *See*—
Lott, William A., Bergelm, and Losee.
- Bergel, Franz: *See*—
Avison, Anthony W. D., Bergel, and Haworth.
- Bergel, Franz, and A. Cohen, assignors to Roche Products Ltd., Welwyn Garden City, England. Bromination of ketones. 2,397,333; Mar. 26.
- Bergel, Franz, N. C. Hindley, A. L. Morrison, and H. Rinderknecht, assignors to Roche Products Limited, Welwyn Garden City, England. Arylaetonitrile derivatives and their manufacture. 2,398,575; Apr. 16.

- Bergel, Franz, N. C. Hindley, A. L. Morrison, and H. Rinderknecht, Welwyn Garden City, England, assignors, by mesne assignments to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of piperidine derivatives. 2,403,903; July 16.
- Bergel, Franz, N. C. Hindley, A. L. Morrison, and H. Rinderknecht, Welwyn Garden City, England, assignors, by mesne assignments to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of heterocyclic bases. 2,405,555; Aug. 13.
- Bergel, Franz, A. Cohen, and J. W. Haworth, Welwyn Garden City, England, assignors, by mesne assignments to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of N-(polyhydroxyalkyl)-arylamines. 2,411,611; Nov. 26.
- Bergen, Edward, Bronxville, assignor to C. K. Thau, New York, N. Y., doing business as Laura Hair Novelty Company. Hair curler. 2,394,973; Feb. 19.
- Berger, Adolph L., Dayton, Ohio. Turbine wheel. 2,393,963; Feb. 5.
- Berger Brothers Company, The, assignee: See—Versoy, Irving R., and Loeffel.
- Berger, Elwood A., Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Fluid pressure reducer. 2,393,280; Jan. 22.
- Berger, Eugene, assignee: See—Margolis, Louis.
- Berger, Henry G.: See—Badertscher, Darwin E., Berger, and Bishop, Fuller, Everett W., Berger, and Williams.
- Berger, Henry G., and D. E. Badertsden, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Improving the cetane value of a hydrocarbon fuel oil. 2,392,570; Jan. 8.
- Berger, Jacques, Chicago, Ill. Test light. 2,413,484; Dec. 31.
- Berger, Karl F., assignee, et al.: See—Berger, Walter.
- Berger Manufacturing Company, assignee, et al.: See—Berger, Walter E.
- Berger, Samuel L., Newark, N. J. Toy typewriter. 2,398,765; Apr. 23.
- Berger, Walter E., assignor to K. F. Berger, doing business as Berger Manufacturing Company, Bridgeport, Conn. Tool attachment. 2,392,571; Jan. 8.
- Berger, William F., Aberdeen, Md. Bomb stabilizer. 2,393,604; Jan. 29.
- Bergere, Elmir W.: See—Marker, Albert L., and Bergere.
- Berges, Donald M., Lakewood, Ohio, assignor to Bendix Aviation Corporation, Teterboro, N. J. Ratio computing device. 2,394,284; Feb. 5.
- Bergesen, Juneus, Staten Island, assignor to himself, Nortman Bergesen, and Louis Stone, New York, N. Y. Steam injector for pipe lines. 2,398,766; Apr. 23.
- Bergesen, Nortman, assignee: See—Bergesen, Juneus.
- Bergfors, Gordon, Yonkers, assignor to Exercycle Corporation, New York, N. Y. Exercising machine. 2,406,344; Aug. 27.
- Berggren, George E., Baltimore, E. Bertalan, Glen Arm, and A. Logan, Dundalk, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,404,782; July 30.
- Bergh, Roland C., Cedarhurst, N. Y., assignor to Republic Aviation Corporation. Aircraft structure. 2,399,719; May 7.
- Bergier, Jacques, A. Eskenazi, and A. Helbronner, Lyon, France, vested in the Allen Property Custodian. Measuring device. 2,411,513; Nov. 26.
- Bergman, Gustav A., Stockholm, Sweden. Internal-combustion hammer. 2,399,455; Apr. 30.
- Bergman, Harold E., Wilmette, Ill., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Bag holder and filter. 2,399,784; May 7.
- Bergman, Raymond W., Lockport, assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Foot imprinting device. 2,413,403; Dec. 31.
- Bergmark, Ernest R.: See—Vought, Russell, and Bergmark.
- Bergren, Julius, Minneapolis, Minn. Lifting tongs. 2,402,529; June 25.
- Bergren, Lloyd R.: See—Spafford, Ralph W., and Bergren.
- Bergstein, Frank D., trustee, assignee, et al.: See—Bergstein, Samuel.
- Bergstein, Robert M., trustee, assignee, et al.: See—Bergstein, Samuel.
- Bergstein, Robert M., Cincinnati, Ohio. Making knocked-down boxes and improved cartridge containers. 2,411,144; Nov. 19.
- Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Coating webs. 2,408,504; Oct. 1.
- Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Carton for sealing by immersion. 2,412,031; Dec. 3.
- Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Hermetic bag and tube closures. 2,412,882; Dec. 17.
- Bergström, Ingolfur, El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Blending fuels. 2,394,743; Feb. 12.
- Bergström, Ingolfur, Billings, Mont., and J. R. Scheibill and F. H. Dickey, Oakland, assignors to Shell Development Company, San Francisco, Calif. Oxidation of organic compounds. 2,398,612; Apr. 16.
- Bergstrom, Carl N., Portland, Oreg. Hook for garment hangers. 2,395,032; Feb. 19.
- Berke, Lawrence G., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator cabinet. 2,394,229; Feb. 5.
- Bergstrom, Hilding O. V., Stockholm, and K. G. Trobeck, Stockholm, Sweden. Utilizing waste liquors. 2,406,581; Aug. 27.
- Berke, Joseph D., New York, N. Y. Orthodontic appliance. 2,406,527; Aug. 27.
- Berkey, William E., Wilkinsburg, and E. Hershey, Pittsburgh, Pa., and R. Lamphere, Wilbraham, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignition system. 2,403,629; July 9.
- Berkoff, Seymour, Bridgeport, Conn., assignor to General Electric Company. Phase inverter circuit. 2,411,706; Nov. 26.
- Berkoff, Seymour, and R. B. Dome, assignors to General Electric Company, Bridgeport, Conn. Electron discharge circuit. 2,410,703; Nov. 5.
- Berkowitz, Victor, Lawrence, assignor to Goldsmith Brothers Manufacturing Co., Inc., New York, N. Y. Articulated fabric for handbags. 2,393,281; Jan. 22.
- Berks County Trust Company, assignee: See—Donachie, Matthew J.
- Berl, Ernst, Pittsburgh, Pa. Rendering harmless poisonous gases in the atmosphere. 2,394,857; Feb. 12.
- Berlin, Nelson M., Pittsford, assignor of one-third to R. R. Hoover, Hillsdale, and one-third to P. B. Beery, Hudson, Mich. Ice auger. 2,393,282; Jan. 22.
- Berliner, Martin, assignor to Bernat Products Corp., New York, N. Y. Writing device. 2,404,563; July 23.
- Berliner, Martin, assignor of fifty percent to R. I. N. Wein-gart, New York, N. Y. Machining metal. 2,412,797; Dec. 17.
- Berliny, Michael, Jersey City, G. A. Bowden, East Orange, and J. T. Hohnstein, Short Hills, N. J., assignors, by mesne assignments, to Boyle-Midway Inc., New York, N. Y. Wax composition and preparing the same. 2,401,217; May 28.
- Berlinger, Roy, Chico, Calif. Grain conveyer. 2,401,540; June 4.
- Berling, William, Jr.: See—Hiltner, James R., and Berlinghof.
- Berman, Hyman, Brooklyn, N. Y. Illuminated handbag latch. 2,400,974; May 28.
- Berman, Joseph E.: See—Bagley, Ronald D., and Berman.
- Bernat Products Corp., assignee: See—Berliner, Martin.
- Bernardi, Dominic J., and R. T. Florence, Bronx, assignors to Interchemical Corporation, New York, N. Y. Lithographic printing ink. 2,406,793; Sept. 3.
- Bernardin Bottle Cap Co., Inc., assignee: See—Hughes, Edward B.
- Berndt, Edward, Chicago, Ill. Flue-line drain. 2,392,631; Jan. 8.
- Berne, Frank R., Cleveland, Ohio. Film holder. 2,401,541; June 4.
- Berneski, Anthony J., Latrobe, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator construction. 2,409,184; Oct. 15.
- Bernhardt, Jacob, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacturing pitot-static tubes. 2,397,084; Mar. 26.
- Bernheim, Daniel P., Southbridge, and M. M. Glasberg, Revere, assignors to American Optical Company, Southbridge, Mass. Collapsible type eyeshield. 2,409,243; Oct. 15.
- Berninger, Ernest L.: See—Beiser, Elmer H., Berninger, and Schlenker.
- Berns, Mel.: See—Satz, Frank, and Berns.
- Bernstein, Isidor M., assignor, by mesne assignments to H. H. Roosen Company, Inc., Brooklyn, N. Y. Non-adherent coating composition. 2,396,633; Mar. 19.
- Bernstein, Isidor M., assignor, by mesne assignments, to H. H. Roosen Company, Inc., Brooklyn, N. Y. Alkali-resistant binder. 2,401,898; June 11.
- Bernstein, Louis, Brooklyn, N. Y. Perpetual calendar. 2,411,185; Nov. 19.
- Bernstein, Philip, assignor to Press Wireless, Inc., Chicago, Ill. Multiplex radio system of the carrier frequency shift type. 2,397,913; Apr. 9.
- Bernstein, Samuel S., Los Angeles, Calif. Chair. 2,409,826; Oct. 22.
- Berquist, Leonard G., Niles, Mich., assignor to National-Standard Company. Forming machine. 2,405,128; Aug. 6.
- Berry, Burr L., San Francisco, assignor to B. L. Berry, Victorville, and L. P. Youngdahl, San Francisco, Calif. Half-tone high-light process. 2,395,985; Mar. 5.
- Berry, Burr L., San Francisco, assignor to B. L. Berry, Victorville, and L. P. Youngdahl, San Francisco, Calif. Half-tone dropout process. 2,395,986; Mar. 5.
- Berry, Charles W.: See—Holland, William D., Berry, and McClintock.
- Berry, Clifton V., West Haven, Conn. Miniature camera. 2,410,327; Oct. 29.

- Berry, Earl E.: *See*—
Goodville, John E., and Berry.
Berry, Earl E., deceased, by W. E. Berry, executrix, assignor to Beloit Iron Works, Beloit, Wis. Papermaking machine. 2,396,696; Mar. 19.
- Berry, Frank, Corinth, Miss. Expandible chamber motor of the rotary augment type. Re. 2,318; Dec. 17.
- Berry, John J., Houston, Tex., assignor to American Optical Company, Southbridge, Mass. Squeegee device. 2,399,538; Apr. 30.
- Berry, John W.: *See*—
Hood, Robert L., and Berry.
- Berry, Kenneth L., Hockessin, and J. R. Downing, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Extrusion apparatus. 2,403,476; July 9.
- Berry, Kenneth L., Hockessin, and J. W. Hill, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of oriented halogen-containing polymers. 2,405,008; July 30.
- Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluid compositions containing copolymers of tetrafluoroethylene and ethylene. 2,412,960; Dec. 24.
- Berry, Norton E., Newburg, Ind., and R. E. Kremers, Summit, assignors to General Foods Corporation, Hoboken, N. J. Treating cashew nut shell liquid. 2,402,940; July 2.
- Berry, Robert U., Glen Ridge, N. J., assignor to General Electric Company. Refrigerating system. 2,400,334; May 14.
- Berry, Theodore M., Schenectady, N. Y., assignor to General Electric Company. Frequency difference measurement. 2,392,632; Jan. 8.
- Berry, Theodore M., Schenectady, N. Y., and A. H. Canada, Fort Belvoir, Va., assignors to General Electric Company. Variable speed gear transmission. 2,398,997; Apr. 23.
- Berry, Thomas H., assignor to Green and Berry Farm Equipment Co., Modesto, Calif., a co-partnership comprising T. H. Berry and W. A. Green. Well drilling machine. 2,398,512; Apr. 16.
- Berry, William G. Jr., Medford, Mass. Strike plate. 2,401,854; June 11.
- Berry, Wilma E., executrix: *See*—
Berry, Earl E.
- Beryman, Grover C., Los Angeles, Calif. Forming a fibrous rubber. 2,395,987; Mar. 5.
- Bersworth, Frederick C., Verona, N. J. Forming carboxylic acid substituted amines. 2,411,019; Nov. 12.
- Bersworth, Frederick C., Verona, N. J. Forming rubber amines. 2,412,942; Dec. 24.
- Bersworth, Frederick C., Verona, N. J. Detergent composition for use in hard water. 2,412,943; Dec. 24.
- Bersworth, Frederick C., Verona, N. J. Producing a detergent composition. 2,412,944; Dec. 24.
- Bersworth, Frederick C., Verona, N. J. Detergent composition and preparing same. 2,412,945; Dec. 24.
- Bersworth, Frederick C., Verona, assignor to The Martin Dennis Company, Newark, N. J. Treating boilers. 2,396,938; Mar. 19.
- Bersworth, Frederick C., Verona, assignor to The Martin Dennis Company, Newark, N. J. Aliphatic polycarboxylic amino acids and making them. 2,407,045; Sept. 17.
- Bertalan, Edward: *See*—
Berggren, George E., Bertalan, and Logan.
- Bertea, Alex., Pasadena, assignor to Adel Precision Products Corp., Burbank, Calif. Fluid seal. 2,395,953; Mar. 5.
- Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming glassware. 2,402,234; June 18.
- Bertoglio, Tony C., Lomita, assignor of one-quarter to R. W. Anderson, Los Angeles, Calif. Hydraulic motor. 2,395,092; Feb. 19.
- Bertolette, William de B., Baton Rouge, La., and A. E. Parmelee, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Tetraethyl lead. 2,400,383; May 14.
- Bertram, Sidney, San Diego, Calif., assignor to the United States Government, as represented by the Secretary of the Navy. Split-phase servomotor control. 2,411,857; Nov. 19.
- Bertram, William A., Chicago, Ill. Bottle holder and carrier. 2,407,529; Sept. 10.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Insole machine. 2,410,004; Oct. 29.
- Bertschinger, Frederick E., assignor to Standard Cabinet Works, Inc., Los Angeles, Calif. Coupling. 2,408,547; Oct. 3.
- Berzer, Maurice, West Los Angeles, Calif., assignor to S. Arndt. System for selecting recorded messages. 2,396,409; Mar. 19.
- Besuz, Arnold, East Malvern, Victoria, Australia. Device for the setting of blanking and forming dies in presses. 2,396,814; Mar. 19.
- Bessler, Charles, Company, assignee: *See*—
Schwanhauser, Walter E.
- Beshgetoor, Ray V., Merchantville, N. J., assignor to Radio Corporation of America. Viewing device. 2,404,943; July 30.
- Besler Systems, assignee: *See*—
Besler, William J., and Boyen.
- Besler, William J., Happy Valley, and J. L. Boyen, Orinda, Calif., assignors to Besler Systems. Spacer bar. 2,396,241; Mar. 12.
- Best, Albert De W., Sandusky, Ohio. Electric welding rod holder. 2,404,028; July 16.
- Best, Charles D., Portland, Oreg. Processing vegetable fiber. 2,405,331; July 2.
- Best, John W., Arlington, Calif. High chair. 2,407,646; Sept. 17.
- Best, Joseph C., Port Arthur, R. N. Traxler, and H. E. Schweyer, Port Neches, Tex., assignors to The Texas Company, New York, N. Y. Bituminous compositions. 2,400,067; May 14.
- Beste, Harold E., East Rutherford, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Phase shifter. 2,408,193; Sept. 24.
- Beste, Marion D.: *See*—
Reed, Raymond E., Tenenbaum, and Beste.
- Bethlehem Steel Company, assignee: *See*—
Dougherty, Robert S. A., and Eberhardt.
Eaton, John F.
Field, Paul.
Hilstrom, Gunnar H., and Westland.
Johnston, Sterling.
Joy, Robert F.
Miller, Louis G., and Statler.
Stevens, Richard H.
Stofflet, Harry F.
Torell, Leland C., and White.
Ward, Clemens H.
Wick, Richard M.
- Bethlehem Supply Company, assignee: *See*—
Anderson, Carl M.
- Betoche, Jesse, Detroit, Mich. Planer gauge. 2,399,160; Apr. 30.
- Bettendorf, Company, The, assignee: *See*—
Kottmann, Arthur A.
- Bettér, Francis J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Servomotor. 2,394,665; Feb. 12.
- Better Packages Incorporated, assignee: *See*—
Beckman, Charles E., and Dodds.
Krueger, Theodore H.
- Bettison, David C., Omaha, Nebr. Railway traffic controlling apparatus. 2,393,136; Jan. 15.
- Betts & Company Limited, assignee: *See*—
Stather-Dunn, Eustace.
- Betts, James A., Easton, Pa. Valveless suction apparatus. 2,394,888; Feb. 12.
- Betz, Paul L., assignor to Consolidated Gas Electric Light & Power Company of Baltimore, Baltimore, Md. Improving the operation of oxygen cutting torches. 2,399,979; May 7.
- Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Thermoelectric generator and circuit. 2,400,384; May 14.
- Betz, William G., Orlando, Fla., assignor to Pratt, Read & Company, Ivoryton, Conn. Piano action. Re. 2,277; Aug. 13.
- Beverage, Harold H., Riverhead, N. Y., and R. E. Matthes, Westfield, N. J., assignors to Radio Corporation of America. Secrecy system. 2,405,991; Aug. 20.
- Beveridge, James M., Bronxville, N. Y., and C. J. Cowan, East Orange, N. J., assignors to Mavco, Inc. Cigarette case. 2,405,009; July 30.
- Bevil Company, assignee: *See*—
Bevillard, Arthur J.
- Bevillard, Arthur J., Anaheim, assignor to Bevil Company, San Francisco, Calif. Making abrasive wheels. 2,405,086; July 30.
- Bevins, James E., Ramsey Estates, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pump. 2,394,285; Feb. 5.
- Bevins, James E., Hackensack, assignor to Bendix Aviation Corporation, Bendix, N. J. Accelerometer. 2,394,974; Feb. 19.
- Bevins, James E., Hackensack, assignor to Bendix Aviation Corporation, Teterboro, N. J. Regulator. 2,403,332; July 2.
- Bevins, James E., Ardmore, Pa., assignor to Bendix Aviation Corporation, Bendix, N. J. Instrument case. 2,402,300; June 18.
- Bewley, Jess F.: *See*—
Lazarus, George H., Jr., and Bewley.
- Beyer, Edwin A., Buffalo, N. Y. Device for cleaning floors. 2,405,811; Aug. 13.
- Beyer, Walter E., and R. K. Tarn, Pittsburgh, Pa. Resilient mechanical wheel. 2,402,594; June 25.
- Beyerink, Leo J., Union Township, Carroll County, Iowa. Post-hole digger. 2,403,041; July 2.
- Beynon, John H.: *See*—
Pawcett, Eric W. M., and Beynon.
- Bezark, Joseph G., Chicago, Ill. Toy. 2,401,455; June 4.
- Bible, Walter E., Denver, Colo., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Vacuum cleaning system. 2,404,358; July 23.
- Bible, Walter E., Denver, Colo., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Vacuum cleaning system. 2,405,129; Aug. 6.
- Bice, Richard A.: *See*—
Boyd, John, and Bice.

- Bichsel, Harry J.: *See*—
Mahoney, John E., and Bichsel.
- Bichsel, Harry J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,411,358; Nov. 19.
- Bickley, Everett H., Bala Cynwyd, Pa. Photoelectric tube. 2,392,909; Jan. 15.
- Bicknell, Alfred B., Toronto, Ontario, Canada, assignor to United States Gypsum Company, Chicago, Ill. Wall-board package and holder. 2,393,514; Jan. 22.
- Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,402,361; June 18.
- Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,408,726; Oct. 8.
- Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Nonicing carburetor. 2,410,564; Nov. 5.
- Bickness, Frank A.: *See*—
Bishop, Benjamin S. T., and Bicknell.
- Biddle, William P., Jr.: *See*—
Sanford, Hugh W., and Biddle.
- Biddle, William P., Jr., assignor to Sandebond Patents, Inc., Knoxville, Tenn. Water reservoir for cooking stoves. 2,393,881; Jan. 29.
- Biddle, William P., Jr., and H. W. Sanford, Jr., assignors to H. W. Sanford, Knoxville, Tenn. Furnace stoker. 2,404,211; July 16.
- Bidwell, Earl E., Los Angeles, Calif. Small boat control. 2,402,724; June 25.
- Bieber, Clarence G., B. E. E. Franke, and W. F. Sumpter, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Removal of sulphur from molten metallic masses. 2,406,582; Aug. 27.
- Biederman, Joseph B., Cincinnati, Ohio. Respiratory filtering device. 2,404,686; July 23.
- Biedess, Anthony R., assignor to Goodman Manufacturing Company, Chicago, Ill. Car coupling. 2,395,716; Feb. 26.
- Biefeld, Lawrence P., Newark, Ohio, assignor to Owens-Corning Fiberglass Corporation. Glass fiber strand. 2,392,805; Jan. 15.
- Bieg, Herman, St. Louis, Mo. Spot gauge. 2,412,489; Dec. 10.
- Biehl, Fred, and E. O. Thompson, Peshtigo, Wis.; said Biehl assignor to said Thompson. Self-locking gearing. 2,408,365; Oct. 1.
- Bieler, Jacques L., Ottawa, Ontario, Canada. Water heating installation. 2,396,694; Mar. 19.
- Bielski, Alex. J., and W. J. Luckcock, Fort Wayne, Ind., assignors to Farnsworth Television and Radio Corporation. Coupling device. 2,407,530; Sept. 10.
- Bierman, Carroll M., Franklin Square, N. Y. Roller skate wheel. 2,392,653; Jan. 8.
- Bierman, Carroll M., Franklin Square, N. Y. Ornamental skate wheel. 2,392,634; Jan. 8.
- Bierman, Everett C., assignor to Semagraph Company, Charlotte, N. C. Making reticles. 2,413,600; Dec. 31.
- Bierman, George H., River Forest, Ill., assignor to American Can Company, New York, N. Y. Soldering machine. 2,405,178; Aug. 6.
- Bierman, John, assignee: *See*—
Adams, Oscar H.
- Biermann, Arnold E., Hampton, Va. Machine for manufacturing spiral vanes. 2,403,573; July 9.
- Biermann, Arnold E., Hampton, Va. Compressor. 2,411,707; Nov. 26.
- Bierwirth, Rudolph A., Haddon Heights, and C. N. Hoyler, Audubon, N. J., assignors to Radio Corporation of America. Apparatus for treating metal. 2,401,809; June 11.
- Bies, Frank R., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,406,796; Sept. 3.
- Bléth, Tom C., Goteborg, Sweden. Apparatus for cleaning of flue gases. 2,404,347; July 23.
- Bigelow, Charles A., Houston, Tex. Airplane strut and the like. 2,399,331; Apr. 30.
- Bigelow-Sanford Carpet Co. Inc., assignee: *See*—
Dildilian, Ara T.
- Dow, James N., and Dildilian.
- Bigzle, Laurence C., Altadena, assignor to General Controls Co., Glendale, Calif. Fluid control valve. 2,412,490; Dec. 10.
- Biggs, Leonard R., Schenectady, and W. J. Zimola, Scotia, N. Y., assignors to General Electric Company. Expansion joint arrangement. 2,393,137; Jan. 15.
- Biggs, Orrick H., Beverly, and H. Heins, Marblehead, assignors to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency generator. 2,408,903; Oct. 8.
- Dilan, John, Flint, Mich. Window brake. 2,397,462; Apr. 2.
- Dilan, John, Flint, Mich. Glass electric hot plate. 2,409,244; Oct. 15.
- Bilek, Frank J., assignor to The Globe Company, Chicago, Ill. Poultry shackle. 2,405,638; Aug. 13.
- Biles, Walter C., Bremerton, Wash. Wrench. 2,395,988; Mar. 5.
- Bill, James, Jr., Woodbury, N. J. Distribution nozzle for filters and the like. 2,412,632; Dec. 3.
- Billar, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixture. 2,392,306; Jan. 8.
- Billar, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Overhead electric lighting fixture. 2,411,952; Dec. 3.
- Billiger, Arno L., Vandergrift, and M. C. King, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Annealing method. 2,402,013; June 11.
- Billing, Henry J., Ashow, near Kenilworth, and G. A. G. Kassar, Coventry, assignors to Simmonds Development Corporation Limited, London, England. Stopper. 2,396,035; Mar. 5.
- Billings, Horace P., Haddonfield, N. J., assignor to Radio Corporation of America. Sound recording composition. 2,401,900; Jan. 11.
- Billings, Howard J., South Acton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Lubrication of textile fibers. 2,413,428; Dec. 31.
- Billings, Roy O., Milwaukee, Wis. Pull shovel. 2,411,498; Nov. 26.
- Billingsley, John W., assignee: *See*—
Kilbury, Paul D.
- Billman, John H., Bloomington, Ind. preparing α -amino acids and N-substituted- α -amino acids. 2,394,230; Feb. 26.
- Billman, John H., Bloomington, Ind. Plant stimulant composition and method. 2,411,359; Nov. 19.
- Billman, Stig K. M., assignee: *See*—
von Hertenau, Hans.
- Billman, Philadelphia, Pa. Extension plug. 2,406,128; Aug. 20.
- Bimberg, Elmer M.: *See*—
Sloane, Robert W., and Bimberg.
- Bi-Met Piston Ring Corporation, assignee: *See*—
Barnes, Lilyvellen T.
- Binder, Thomas W., Maplewood, N. J. Air conditioning. 2,405,812; Aug. 13.
- Binford, Benjamin L., assignor to Fred H. Schaeb Engineering Co., Chicago, Ill. Flow responsive device. 2,400,479; May 21.
- Bing, Herbert A.: *See*—
Mihalvi, Joseph, Bing, and Craig.
- Bingham, Arthur E., assignor to Dowty Equipment Limited, Cheltenham, England. Damping valve for shock absorbers, resilient devices, dashpots, and the like. 2,397,640; Apr. 2.
- Bingley, Frank J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Grid structure for vacuum tubes and the like. 2,397,223; Mar. 26.
- Bingley, Frank J., Chestnut Hill, and R. C. Moore, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Amplitude limiting systems. 2,399,091; Apr. 23.
- Binkley, Charles H.: *See*—
Brother, George H., and Binkley.
- Binkley, Stephen B.: *See*—
Piffner, Joseph J., Binkley, Bloom, and Emmett.
- Binks Manufacturing Company, assignee: *See*—
Allen, George.
- Gustafsson, Eric, and Baur.
- Binks, Squire, Toronto, Ontario, Canada. Toy gun. 2,405,541; Aug. 6.
- Binnall, Frederick P.: *See*—
Russell, Irving H., and Binnall.
- Binnewege, Abraham, Jr., Oakland, Calif. Electronic apparatus. 2,392,900; Jan. 15.
- Binne, George W.: *See*—
Decker, Jacob, and Binns.
- Binus, David J., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Door apparatus for dental units and the like. 2,396,311; Mar. 12.
- Bliz, Gustave H., Chicago, Ill. Movable table top. 2,396,242; Mar. 12.
- Bippus, Samuel: *See*—
Keim, Simeon, and Bippus.
- Bir, Bernard R., Belleville, Ill. Electrical attachment plug. 2,411,846; Dec. 3.
- Birch, George W.: *See*—
Crowell, Walter S., and Birch.
- Birch, Harold W., Belmont, Mass. Machine for splitting tubular fabric, opening it and extracting moisture therefrom. 2,410,146; Oct. 29.
- Birch, Stanley F., F. A. Fidler, and L. S. Thornes, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Production of an aviation or motor fuel or an aviation motor fuel constituent. 2,407,214; Sept. 10.
- Bird, Anthony, assignee, et al.: *See*—
Plebanek, Leonard Z.
- Bird, Byron M., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Jig. 2,401,218; Mar. 28.
- Bird, John C., Pleasantville, and A. Kuna, Douglaston, N. Y., assignors, by mesne assignments, to The William S. Merrell Company, Cincinnati, Ohio. Aqueous solution of riboflavin. 2,407,624; Sept. 17.
- Bird & Son, Inc., assignee: *See*—
Feasley, Milton R.
- Young, James G.
- Birdsall, Edwin H., Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Apparatus for feeding and delivering ammunition blanks. 2,409,657; Oct. 22.

- Birk, Paul M.: *See*—
Trimbach, Clem G., and Birk.
- Birk, Paul M., Kenmore N. Y., assignor to Curtiss-Wright Corporation. Torque wrench. 2,404,029; July 16.
- Birkigt, Louis, Versoix, Geneva, Switzerland. Supercharged internal-combustion engine. 2,397,941; Apr. 9.
- Birkigt, Louis, Versoix, near Geneva, Switzerland. Power plant. 2,400,068; May 14.
- Birkigt, Louis, Versoix, Geneva, Switzerland. Internal-combustion engine. 2,402,725; June 25.
- Birkigt, Louis, Versoix, near Geneva, Switzerland, assignor to G. P. Sarazin, Saint-Prix (Seine-et-Oise), France. Centrifugal pendulum. 2,393,305; Jan. 22.
- Birkin, Dimitri, Boston, Mass. Buffet server. 2,411,864; Dec. 3.
- Birkner, Emil O.: *See*—
Brady, Robert H., and Birkner.
- Birkner, Gertrude M., assignee, et al.: *See*—
Brady, Robert H., and Birkner.
- Birma Manufacturing Company, Inc., assignee: *See*—
Cook, James A.
- Birmann, Rudolph, Newtown, assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Bearing construction for turbines or the like. 2,403,489; July 9.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Variable ratio compressor. 2,405,282; Aug. 6.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Elastic fluid mechanism. 2,405,283; Aug. 6.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Centrifugal compressor. 2,405,284; Aug. 6.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Exhaust energy converting internal-combustion engines. 2,406,656; Aug. 27.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Rotor for elastic fluid mechanism. 2,407,469; Sept. 10.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Elastic fluid mechanism. 2,407,531; Sept. 10.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Federal Reserve Bank of Philadelphia. Elastic fluid mechanism. 2,410,259; Oct. 29.
- Biro, Laszlo J., assignor, by mesne assignments, to "Eterpen" Sociedad Anonima Financiera, also known as Eterpen S. A., Buenos Aires, Argentina. Writing instrument. 2,397,229; Mar. 26.
- Biro, Laszlo J., assignor, by mesne assignments, to "Eterpen" Sociedad Anonima Financiera, also known as Eterpen S. A., Buenos Aires, Argentina. Fountain pen. 2,400,679; May 21.
- Birr, Edmund E., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Self-quenched superregenerative receiver. 2,407,394; Sept. 10.
- Birss, Robert R., Harrogate, England. Electrical signaling system. 2,400,908; May 28.
- Birss, Robert R., Harrogate, England. Electrical signaling system. 2,400,909; May 28.
- Birtman Electric Company, assignee: *See*—
French, Edward A., and Sporny.
- Blacow, Harry B., New York, N. Y. Obstetrical measuring instrument. 2,394,140; Feb. 5.
- Biscesi, Joseph L.: *See*—
Roy, Nereus H., and Biscesi.
- Bishop, Benjamin S. T., Shrewsbury, and F. A. Bicknell, assignors to Leland-Gifford Company, Worcester, Mass. Profile milling machine. 2,405,550; Aug. 13.
- Bishop, Benjamin S. T., Shrewsbury, and F. A. Bicknell, assignors to Leland-Gifford Company, Worcester, Mass. Grinding wheel truing apparatus. 2,405,551; Aug. 13.
- Bishop, Howard B.: *See*—
Pearson, Herbert P.
- Bishop, James O., Torrance, and L. L. Babcock, Compton, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Flame heating apparatus. 2,410,003; Oct. 29.
- Bishop, John H., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,395,093; Feb. 19.
- Bishop, Laurence J., Virginia Water, England. Surgical operating appliance. 2,400,338; May 14.
- Bishop, R. H. Company, assignee: *See*—
Bishop, Robert H.
- Bishop, Richard R.: *See*—
Badertscher, Darwin E., Berger, and Bishop.
- Bishop, Robert H., assignor to R. H. Bishop Company, Champaign, Ill. Food dispenser cabinet. 2,397,403; Mar. 26.
- Biskamp, Ernest J., San Antonio, Tex. Closure for curtains. 2,407,865; Sept. 17.
- Bissell, Melton A.: *See*—
Osterstuck, Lester M.
- Bissett, Ernest E., Vancouver, British Columbia, Canada. Airplane. 2,402,311; June 18.
- Bizantz, Fred, assignor to The Gallon Metallic Vault Company, Gallon, Ohio. Dump body. 2,402,362; June 18.
- Bitler, William P.: *See*—
Fish, Alvin C., Nicholl, and Bitler.
- Nicholl, Leonard, and Bitler.
- Bitler, William P., Haverstraw, and L. Nicholl, Nyack, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Plasticizers. 2,406,657; Aug. 27.
- Bitter, H. Calvin: *See*—
Wild, Edward, and Bitter.
- Bitting, Charles D., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Granular ammonium nitrate explosive. 2,395,367; Feb. 19.
- Bitner, Clarence W.: *See*—
Bailey, William A., Jr., and Bitner.
- Bitzer, Gottlob, Lincoln Park, assignor to Textile Machine Works, Wyomissing, Pa. Automatically performing wetting operations. 2,413,601; Dec. 31.
- Bivans, Elbert L., Los Angeles, Calif. Pepper mill. 2,407,808; Sept. 17.
- Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,411,708; Nov. 26.
- Bixby, Harold S., East Haven, Conn. Lock for fluorescent lamps. 2,401,408; June 4.
- Bixby, Harold S., East Haven, Conn. Lamp socket. 2,402,941; July 2.
- Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulation. 2,409,610; Oct. 22.
- Bjerke, Edwin, Wallace, Idaho. Safety means for mine cages. 2,403,333; July 2.
- Bjorkback, John A., assignee: *See*—
Holtway, Hamilton.
- Bjork, Albin A., Ashland, Wis. Boat wheelbarrow. 2,395,717; Feb. 26.
- Bjorklund, Carl S., E. C., and E. T., Milwaukee, Wis. Garment hanger. 2,412,245; Dec. 10.
- Bjorklund, Edgar C.: *See*—
Bjorklund, Carl S., E. C., and E. T.
- Bjorklund, Edsel T.: *See*—
Bjorklund, Carl S., E. C., and E. T.
- Bjorkman, Carl G., assignee: *See*—
Lange, Felix.
- Bjorn, Theodore, assignee: *See*—
Bramble, Donald E.
- Black, Alfred I., assignor to I. Black, Hartford City, Ind. Papermaking machinery. 2,401,603; June 4.
- Black and Decker Manufacturing Company, The, assignee: *See*—
Teige, John J., and Thomas.
- Wilhide, Glenn C.
- Black, Eric A., Red Bank, N. J. Anchorage. 2,395,033; Feb. 19.
- Black, Howard C.: *See*—
Phelps, Guy W., and Black.
- Black, Howard C., assignor to Industrial Patents Corporation, Chicago, Ill. Color stabilization. 2,408,904; Oct. 8.
- Black, Howard C., and C. A. Overlay, assignors to Industrial Patents Corporation, Chicago, Ill. Preparation of synthetic glycerides. 2,408,905; Oct. 8.
- Black, Isabell, assignee: *See*—
Black, Alfred I.
- Black, James J., assignor to The Trailer Company of America, Cincinnati, Ohio. Semitrailer attachment and support. 2,393,016; Jan. 15.
- Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Caster trailer. 2,404,121; July 16.
- Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Knockdown chassis for trailers. 2,413,404; Dec. 31.
- Black, John B., assignor to The Glenn L. Martin Company, Middle River, Md. Fuel system. 2,409,245; Oct. 15.
- Black, Lee: *See*—
Sells, Gale, Johnson, and Black.
- Black, Robert Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound translating device. 2,401,328; June 4.
- Black, Robert Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration detector. 2,410,805; Nov. 12.
- Black, Robert Jr., South Orange, and F. F. Romanow, Berkeley Heights, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-mechanical device. 2,405,179; Aug. 6.
- Black, Robert Jr., South Orange, and F. F. Romanow, Berkeley Heights, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signal detector. 2,410,806; Nov. 12.
- Black, Theodore R., Tipp City, Ohio. Storage receptacle for toilet paper. 2,407,971; Sept. 24.
- Black, William A., Montclair, N. J., assignor, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Remote control mechanism. 2,403,490; July 9.
- Blackburn, Billee O.: *See*—
Hatch, Lewis F., Adelson, and Blackburn.
- Blackburn, George, and Sons Limited, assignee: *See*—
Start, Harry W., and E.
- Blackburn, Newell F., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tin plating. 2,406,189; Aug. 20.

- Blackhall, James M., assignor to Leich Electric Company, Genoa, Ill. Automatic telephone system. 2,396,077; Mar. 5.
- Blackman, Herman J., assignee: *See*—
Miller, Irving B.
- Blackman, Herman J., assignee, et al.: *See*—
Miller, Irving B.
- Blackman, Paul E., Los Nietos, Calif. Ship bumper. 2,413,210; Dec. 24.
- Blackman, Smith A., Kirkwood, assignor to Gaylord Container Corporation, St. Louis, Mo. Multisided shipping container with automatically locking slip cover. 2,412,798; Dec. 17.
- Blackmun, Edward V., Bay Village, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of oxide coated aluminum articles. 2,407,809; Sept. 17.
- Blackstone, Henry: *See*—
Hillyer, Curtis, Jr., and Blackstone.
- Blackwelder, Ernest F., et al.: *See*—
Gordon, George C., and Blackwelder.
- Blades, Ausley O., Rome, assignor to General Cable Corporation, New York, N. Y. Resinous compositions for wire coatings and the like. 2,397,592; Apr. 2.
- Blades, James, Barberton, Ohio, assignor to Kamen Soap Products Co., New York, N. Y. Making salt water soap. 2,407,190; Sept. 3.
- Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Lubricating oils. 2,412,557; Dec. 17.
- Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Lubricating oils. 2,412,708; Dec. 17.
- Blair, David, Chicago, Ill. Panty brief. 2,397,641; Apr. 2.
- Blair, David, Chicago, Ill. Fastener for edges of wearing apparel and the like. 2,406,528; Aug. 27.
- Blair, Francis E., and J. Lada, Detroit, Mich. Vehicle towing device. 2,411,411; Nov. 19.
- Blair, George W., and J. F. Schott, Mishawaka, Ind., and W. E. Faulk, Grosse Pointe, Mich., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind.: Seat structure. 2,411,412; Nov. 19.
- Blair, Lyman C., Houston, Tex. Hydraulic transmission control. 2,393,882; Jan. 29.
- Blair, Peter, Tacoma, Wash. Circulating heater. 2,402,595; June 25.
- Blair, Walter, Detroit, Mich. Portable riveter. 2,399,907; May 7.
- Blais, J. L. Emile, assignee: *See*—
Gaudet, Henri.
- Blaisdell, Charles O., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire heading apparatus. 2,401,329; June 4.
- Blaisdell, Willard C., and Elizabeth N. J., assignor to National-Simplex-Bludworth, Inc. Interval meter. 2,394,286; Feb. 5.
- Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Chloroaralkyl esters of thioacids. 2,396,487; Mar. 12.
- Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Organic polysulphide plastic compositions. 2,398,998; Apr. 23.
- Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Monothiazyl dithiocarbonates and preparing same. 2,404,771; July 30.
- Blake, Joseph R., La Crescenta, assignor to Adel Precision Products Corp. Brake valve. 2,397,234; Mar. 26.
- Blake, Ralph K., Parlin, and W. D. Baldsiefen, Metuchen, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic element. 2,400,532; May 21.
- Blakely, Robert T., Amityville, assignor to International Business Machine Corporation, New York, N. Y. Accounting machine. 2,396,229; Mar. 12.
- Blakemore, Arthur L.: *See*—
Carr, Bradley S., and Blakemore.
- Blaker, David G., Seattle, Wash., and Blaker, Hachmuth, Karl H., and Blaker, Roach, Wendell W., and Blaker.
- Blakeslee, Clinton A., assignor to The Bristol Company, Waterbury, Conn. Control apparatus. 2,405,774; Aug. 18.
- Blakeslee, Herbert G., Evanston, Ill., assignor to Harvey Cory, Prescott, Ariz. Vacuum coffee brewer. 2,392,358; Jan. 8.
- Blanc, Samuel, Grantwood, N. J. Reproducing and projecting apparatus. 2,411,514; Nov. 26.
- Blanchard, Alva G., and O. L. Mulloy, Shreveport, La.; said Mulloy assignor to said Blanchard. Automatic control mechanism for pressure vessels. 2,395,212; Feb. 19.
- Blanchard, Charles E., Randolph, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Drier. 2,405,813; Aug. 13.
- Blanchard, Loring W., Jr.: *See*—
Mahn, Carl J., and Blanchard.
- Blanchard, Ralph A., Portland, Oreg. Electric water heater. 2,403,334; July 2.
- Blanchard, Walter J., Park Lane, London, England. Lubricating system. 2,394,889; Feb. 12.
- Blanchard, Werner J., C. S. J. MacNeil, J. F. Haines, and T. B. Martin, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Controllable pitch propeller. 2,405,285; Aug. 6.
- Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker for looms. 2,407,054; Sept. 3.
- Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lever for loom pattern mechanism. 2,409,973; Oct. 22.
- Blanchard, William A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Vibrator lever for pattern mechanism. 2,409,972; Oct. 22.
- Blanchette, Eli O., Killingly, Conn. Signaling device. 2,401,901; June 11.
- Blanco, Elias: *See*—
Hagedorn, David O.
- Blandford, Herbert S., Elmira, N. Y. Toy glider. 2,396,312; Mar. 12.
- Blanding, Forrest H., Elizabeth, N. J., assignor to Standard Oil Development Company. Shale distillation. 2,396,036; Mar. 5.
- Blank, Joseph N., Newport, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Meter installation fixture. 2,412,558; Dec. 17.
- Blankenship, Curt, Lucasville, Ohio. Detachable cover. 2,398,036; Mar. 5.
- Blankenship, Norwood, and T. N. Ness, Fort Wayne, Ind., assignors to General Electric Company. Rotary ironer. 2,393,958; Feb. 5.
- Blankner, William, Lakewood, Ohio. Holding device. 2,409,827; Oct. 22.
- Blann, William A.: *See*—
Durant, Walter W., and Blann.
- Blasco, Stanley J., Erie, Pa. Shade mounting. 2,392,307; Jan. 5.
- Blasutti, Victor V., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,409,185; Oct. 15.
- Blasutti, Victor V., assignor to The Denison Engineering Company, Columbus, Ohio. Fluid compressing apparatus. 2,411,020; Nov. 12.
- Blattner, David G., Mountain Lakes, N. J., and F. W. Clayden, Bronxville, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulator. 2,445,180; Aug. 6.
- Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Thermal prospecting. 2,403,704; July 9.
- Blauevelt, Benjamin, Paterson, N. J. Work illuminating tool. 2,408,891; Oct. 1.
- Blauevelt, Ralph C., Lakewood, Ohio, assignor to Zenith Radio Corporation. Portable apparatus. 2,406,583; Aug. 27.
- Blaw-Knox Company, assignee: *See*—
Barnabe, Herbert L., and Needham.
- Croft, George M.
Fox, Oscar M., and Boyer.
Hackett, William B.
Harcourt, Guy N., and Montgomery.
Kopetz, George.
Lavett, Charles O., and Kerker.
Pottmeyer, Edward W.
Venable, William M.
West, Carl H.
- Blacklock, Raymond C., Bexley, Ohio, assignor to Curtiss-Wright Corporation. Power operated gun mount. 2,400,385; May 14.
- Blazek, John Y., Bedford, and G. E. Sears, Cleveland, assignors to Lemco Products, Inc., Bedford, Ohio. Clutch plate. 2,397,642; Apr. 2.
- Blazel Corporation, assignee: *See*—
Arvins, Nathan A., and Arvintz.
- Blease, John H., Liverpool, England. Anesthetizing metering apparatus. 2,406,129; Aug. 20.
- Blech, Henry, assignee: *See*—
Seiger, Cornelia R.
- Bleeke, Gustave H., Fort Wayne, Ind. Apparatus for grading fruits, vegetables, and other products according to size. 2,410,147; Oct. 29.
- Blessin, Siegfried E., Merctown, Pa. Window construction. 2,397,721; Apr. 2.
- Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,392,635; Jan. 8.
- Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,399,423; Apr. 30.
- Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,409,414; Oct. 15.
- Blicke, Frederick F., assignor to The Regents of the University of Michigan, Ann Arbor, Mich. β -dimethylaminoethyl ester of benzoic acid and its acid addition salts. 2,401,219; May 28.
- Blicke, Frederick F., Washtenaw County, assignor to Regents of the University of Michigan, Ann Arbor, Mich. Basic alkyl esters and their salts. 2,410,040; Oct. 29.
- Blickensderfer, Robert, Foster, and P. J. Welch, assignors to The American Rolling Mill Company, Middletown, Ohio. Metal hanger or similar building. 2,399,785; May 7.

- Bligh, Norman R., Harrow, D. M. Heller, Wembley Park, L. C. Stenning, Ealing, London, and A. A. Chubb, Shipley, assignors to The General Electric Company Limited, London, England. Tuning electrical oscillators. 2,401,604; June 4.
- Bliss, Conrad De K., Norwood, N. J., assignor to Air Reduction Company, Incorporated. Double-acting check valve. 2,396,037; Mar. 5; D.
- Blies, E. W., Company, assignee: *See*—
Cañnon, Earl.
Crane, Edward V., and Johnson.
Crane, Edward V., and Kuhn.
Rode, Friedrich.
- Bliss, Elmer J., Chilmark, Mass. Fitting shoes. 2,399,424; Apr. 30.
- Bliss, Harold D.: *See*—
Nagel, Theodore, and Bliss.
- Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Radio receiving system. 2,409,012; Oct. 8.
- Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Radio receiver. 2,411,944; Nov. 19.
- Blitz, Daniel: *See*—
Sanders, Royden C., Jr., Mercer, and Blitz.
- Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Circuit time constant measurement. 2,408,727; Oct. 8.
- Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Balanced detector for altimeters. 2,410,006; Oct. 29.
- Blitz, William, New York, N. Y. Recording map device. 2,393,228; Jan. 22.
- Bloch, Herman S.: *See*—
Pines, Herman, and Bloch.
- Bloch, Herman S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of normally liquid hydrocarbons. 2,408,548; Oct. 1.
- Bloch, Herman S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Recovery of hydrocarbons from a sludge. 2,413,310; Dec. 31.
- Blocher, Ora G., Parma, Mich., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Clip. 2,406,315; Aug. 27.
- Blocker, Mary A., Jupiter, Fla. Nursing slip. 2,407,220; Sept. 10.
- Blocker, William B.: *See*—
Anthony, David S., and Blocker.
- Blockson Chemical Co., assignee: *See*—
King, Charles S.
- Blodgett, Edwin O., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Teletypewriting machine. 2,396,230; Mar. 12.
- Bloecher, Elmer L., St. Louis, Mo. Liquid applicator. 2,399,162; Apr. 30.
- Blom, Carl J., San Marino, assignor to Byron Jackson Co., Vernon, Calif. Submersible motor. 2,404,783; July 30.
- Blomberg, Knut H., New York, N. Y., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Telephone set. 2,405,543; Aug. 6.
- Blomberg, Martin P., Hinsdale, Ill. assignor to General Motors Corporation, Detroit, Mich. Sand box closure means. 2,394,358; Feb. 5.
- Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Headlight mounting. 2,403,904; July 16.
- Blomberg, Martin P., Hinsdale, Ill., and O. J. Stampen, Arlington, Va., assignors to General Motors Corporation, Detroit, Mich. Locomotive underframe. 2,409,730; Oct. 22.
- Blomgren, Walter R., assignor to M. and S. Aron, and W. R. Blomgren, co-partners, doing business as Pacific Machine Works, Los Angeles, Calif. Universal joint. 2,394,890; Feb. 12.
- Blomquist, Anders B., Cranston, R. I. Universal bench grinder. 2,409,415; Oct. 22.
- Blood, Joel S., San Carlos, Calif. Surface grinding machine. 2,412,199; Dec. 10.
- Bloom, Edward S.: *See*—
Pflieger, Joseph J., Binkley, Bloom, and Emmett.
- Bloom, Frederick S., assignee: *See*—
Guthrie, James M.
- Bloom, Jack, Brooklyn, N. Y. Periodical display rack. 2,401,469; June 4.
- Bloom, Richard A., Kenwood Station, assignor to Onelda, Ltd., Onelda, N. Y. Display table. 2,409,925; Oct. 22.
- Bloom, Richard A., Kenwood Station, assignor to Onelda, Ltd., Onelda, N. Y. Display chest. 2,409,926; Oct. 22.
- Bloomer, Ward J., Westfield, N. J., assignor to The Lumaca Company, New York, N. Y. Azeotropic styrene distillation. 2,398,089; Apr. 16.
- Bloomfield, John J., Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Clutch. 2,400,625; May 21.
- Bloomfield, John J., Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Brake cooler. 2,409,099; Oct. 8.
- Bloomfield, Samuel, Wichita, Kans. Expandible jaw screw driver. 2,404,427; July 23.
- Bloomfield, Samuel, Wichita, Kans., assignor to C. E. Hovey, Kansas City, Mo., trustee. Screw driver. 2,405,130; Aug. 6.
- Bloomfield, Samuel, Chicago, Ill. Can opener. 2,412,946; Dec. 24.
- Bloomfield, John L., Toledo, Ohio, assignor to M. F. McKesson. Multiple purpose gas unit. 2,407,221; Sept. 10.
- Bloore, Robert B., Newcastle-under-Lyme, assignor to Swinnertons Limited, Stoke-on-Trent, England. Apparatus for trimming handles and the like for pottery goods. 2,413,540; Dec. 31.
- Bloser, Bernard D.: *See*—
Fink, Henry A., and Bloser.
- Bloser, Dwight W., Edgewater, N. J., and F. C. Evans, Dongan Hills, N. Y., assignors to American District Telegraph Company, Jersey City, N. J. Supervisory signaling system. 2,400,069; May 14.
- Blott, John F. T., Worcester Park, and P. Alexander, London, England, assignors to Shell Development Company, San Francisco, Calif. Bituminous composition containing mineral aggregates. 2,407,470; Sept. 10.
- Blouin, Joseph P., Methuen, assignor to Pacific Mills, Lawrence, Mass. Loom weight hanger mechanism. 2,397,914; Apr. 9.
- Blount, Harry, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for vulcanizing articles. 2,394,658; Feb. 12.
- Bludworth, Joseph E.: *See*—
Stitzler, Richard R., and Bludworth.
- Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Dehydration process. 2,399,164; Apr. 30.
- Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Cellulose derivative compositions. 2,402,942; July 2.
- Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. 1-methylethylcyclohexyl-cyclohexyl-carbinol. 2,410,007; Oct. 29.
- Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. Chemical compounds. 2,410,008; Oct. 29.
- Bludworth, Timothy F., Summit, N. J., assignor to National-Simplex-Bludworth, Inc. Interval meter and indicator therefor. 2,394,287; Feb. 5.
- Bludworth, Timothy F., Summit, N. J., assignor to National-Simplex-Bludworth, Inc. Interval meter and indicator therefor. 2,394,288; Feb. 5.
- Blue, John, assignor to John Blue Company, Laurinburg, N. C. Fertilizer distributor. 2,396,950; Mar. 19.
- Blue, John, Company, assignee: *See*—
Blue, John.
- Blue Ridge Glass Corporation, assignee: *See*—
Inglott, Robert J. A., and Lewis.
- Bluhli Foods, Incorporated, assignee: *See*—
Michel, Jacob L.
- Blum, Asher, assignee: *See*—
Kornegay, Heinz-Horst E., Von K. Z.
- Blum, George J., assignor to Armstrong Blum Manufacturing Company, Chicago, Ill. Saw blade holder. 2,394,034; Feb. 5.
- Blum, George J., assignor to Armstrong Blum Manufacturing Company, Chicago, Ill. Saw blade. 2,394,035; Feb. 5.
- Blum, Hosmer L., Fort Wayne, Ind. Mechanical movement. 2,396,410; Mar. 12.
- Blum, Hosmer L., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. By-pass valve mechanism. 2,396,815; Mar. 19.
- Blum, Robert D., Jr., Nashville, Tenn. Hectograph mass. 2,412,000; Dec. 10.
- Blumberg, David, Bridgeport, Conn. Two cycle engine. 2,410,477; Nov. 5.
- Blumberg, Paul, New Holstein, Wis. Road marking device. 2,396,981; Mar. 19.
- Blume, W. A., Bloomfield Hills, Mich., and E. W. Conarson, Jersey City, N. J., assignors to American Brake Shoe Company, New York, N. Y. Friction element. 2,410,924; Nov. 12.
- Blumenfeld, Joseph, New York, N. Y. Preparation of alpha-hydroxy carboxylic acids. 2,405,573; Aug. 13.
- Blumenstein, Max E., Hyattsville, Md. Projection picture feeling mechanism. 2,412,246; Dec. 10.
- Blumenthal, Samuel J., Brooklyn, N. Y. Spectacles. 2,393,959; Feb. 5.
- Blumer, Donald R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of chlorine. 2,395,314; Feb. 19.
- Blumer, Manuel, Petrolia, Pa., assignor to L. Sonneborn Sons, Inc., New York, N. Y. Petroleum mahogany sulphonic products. 2,396,673; Mar. 19.
- Blumlein, Alan D., deceased, Ealing, London W. 5, England; D. Blumlein, executor, assignor to Electric & Musical Industries Limited, Hayes, England. Resonator for discharge tubes. 2,403,782; July 9.
- Blumlein, Alan D., Ealing, London, W. 5, and E. L. C. White, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, England. Pulse generating thermionic valve apparatus. 2,405,552; Aug. 13.
- Blumlein, Alan D., Ealing, London W. 5, and E. L. C. White, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Radio pulse system with interference eliminator. 2,406,316; Aug. 6.
- Blumlein, Alan D., Ealing, London, W. 5, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electrical apparatus for indicating or measuring distances. 2,406,529; Aug. 27.

- Blumlein, Doreen, executor: *See*—
Blumlein, Alan D.
- Blumm, Stanley W., Marathon, N. Y. Roller skate structure. 2,410,009; Oct. 29.
- Blumstein, Abraham, Forest Hills, N. Y. Flexible band. 2,392,115; Jan. 1.
- Blumstein, Abraham, Forest Hills, N. Y. Flexible band structure. 2,392,116; Jan. 1.
- Blunk, Gene D., and H. E. Edwards, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for drying fabrics. 2,403,630; July 9.
- Bly, Edwin P.: *See*—
Buckley, Walter D., and Bly.
- Byler, Lee L., Spotswood, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of cellulose nitrate. 2,399,620; May 7.
- Boak, Willis E., Burton, Ohio, assignor to The American Steel and Wire Company of New Jersey. Coated nail. 2,403,783; July 9.
- Boal, Stewart, Winnetka, assignor to Randolph Laboratories, Inc., Chicago, Ill. Portable fire extinguisher and supporting means. 2,397,235; Mar. 26.
- Boals, Wayne S.: *See*—
Oscar, George R., and Boals.
- Board of Commissioners of State Institutions, assignee: *See*—
Bourke, Norman.
Pollard, Cash B., and Kitchen.
- Board of Trustees of the Leland Stanford Junior University, The, assignee: *See*—
Hansen, William W., and R. H. and S. F. Varian.
- Board of Trustees of the University of Arkansas, assignee: *See*—
Engler, Kyle, Barger, and Thompson.
- Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Storage vessel. 2,393,964; Feb. 5.
- Boechichio, Alfeo, assignor to J. M. Zaccaria, Chicago, Ill. Scoop dispensing device for scales. 2,408,906; Oct. 8.
- Bocil Corporation, assignee: *See*—
Lang, Joseph C.
La Place, Desmond R.
- Bock, Ashley P., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High voltage, high power concentric transmission line. 2,408,408; Oct. 1.
- Bock, George E., Chicago, assignor to Whiting Corporation, Harvey, Ill. Variable speed hydraulic coupling. 2,396,149; Mar. 5.
- Bock, George E., Chicago, assignor to Whiting Corporation, Harvey, Ill. Apparatus for testing the brakes on airplane ground wheels. 2,409,467; Oct. 15.
- Bock, George E., Chicago, assignor to Whiting Corporation, Harvey, Ill. Engine work stand. 2,409,468; Oct. 15.
- Bock, Louis H., Huntingdon Valley, and A. L. Hoult, assignors to Rohm & Haas Company, Philadelphia, Pa. Quaternary ammonium nitrophenates. 2,395,989; Mar. 5.
- Bock, Louis H., Huntingdon Valley, Pa., H. C. E. Johnson, New York, N. Y., and L. J. Armstrong, assignors to Rohm & Haas Company, Philadelphia, Pa. Amino-methyl amidthiazoles. 2,409,828; Oct. 22.
- Boddy, Leonard, Ann Arbor, Mich., assignor to The Anderson Company. Electrical indicating system. 2,407,810; Sept. 17.
- Bode, Nicholas H., assignee: *See*—
Carl, Gustav R.
- Bodeman, John S., St. Louis, Mo. Curtain fixture. 2,402,800; June 25.
- Boden, Ernest G., Canton, Ohio, assignor to The Timken Roller Bearing Company. Bearing mounting. 2,407,532; Sept. 10.
- Boden, Samuel D., and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,394,036; Feb. 5.
- Boden, Samuel H., and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,411,860; Nov. 19.
- Bodenheim, Francis A., Kew Gardens, N. Y. Confectionary product. 2,399,195; Apr. 30.
- Bodine, Albert G., Los Angeles, Calif. Charge forming method and apparatus for internal-combustion engines. 2,409,611; Oct. 22.
- Bodine, Albert G., Jr., Burbank, assignor to The Calpat Corporation, Los Angeles, Calif. Method of and apparatus for starting engines. 2,410,043; Nov. 5.
- Bodle, Alexander T.: *See*—
Firth, David, and Bodle.
- Bodman, John W., Winchester, Mass., assignor to Lever Brothers Company. Treating soap. 2,392,831; Jan. 15.
- Bodman, John W., Winchester, assignor to Lever Brothers Company, Cambridge, Mass. Producing an aerated soap. 2,398,776; Apr. 23.
- Bodman, John W., Winchester, assignor to Lever Brothers Company, Cambridge, Mass. Synthetic organic non-sapon detergent in bar form and making same. 2,407,647; Sept. 17.
- Bodman, John W., Winchester, and F. F. Pease, Squantum, Mass., assignors to Lever Brothers Company. Forming separable bar of detergent and resulting product. 2,400,871; May 28.
- Bodmer, Ernest, Geneva, Switzerland. Device for automatic lathes. 2,399,621; May 7.
- Bodmer, Ernest, Geneva, Switzerland. Regulating device for friction cones clutches. 2,409,013; Oct. 8.
- Boeck, Edgar L., Hudson Heights, N. J. Illuminated clock dial. 2,402,014; June 11.
- Boeck, Max F., and H. L. Rauch, assignors to The Sheffield Corporation, Dayton, Ohio. Threading apparatus. 2,397,463; Apr. 2.
- Boeckeler, Benjamin C., Riverside, Conn., assignor to The Hydrojet Corporation, Wilmington, Del. Releasing gases from liquids. 2,411,186; Nov. 19.
- Boecker, Theodore J., Melrose, assignor to Herwal Shoe Co., Inc., Everett, Mass. Fabricated elastic sheet material. 2,401,132; May 28.
- Boedeker, Edward R., and A. G. Oblad, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of motor fuel. 2,397,085; Mar. 26.
- Boegehold, Alfred L., and B. H. Terry, Detroit, Mich. Sintered iron article. 2,402,120; June 18.
- Boehler, Robert E., Gary, Ind., assignor to Universal Atlas Cement Company. Method and apparatus for determining total surface in granular beds. 2,392,636; Jan. 8.
- Boehler, Robert E., Gary, Ind., assignor to Universal Atlas Cement Company. Method and apparatus for determining surface of comminuted material. 2,392,637; Jan. 8.
- Boehle, William E., Los Angeles, Calif. Electric swivel connector. 2,404,564; July 23.
- Boehm, Alfred A., Jr., New York, N. Y. Warpage measuring machine. 2,407,648; Sept. 17.
- Boehnke, Hugo V.: *See*—
Wiken, Christy A., and Boehnke.
- Boeing Aircraft Company, assignee: *See*—
Haberlin, John F.
Hudson, Verne L.
Ostlund, Albion I., and Christian.
- Boerne, Arthur R., assignor, by mesne assignments, to Automatic Products Company, Milwaukee, Wis. Chair. 2,398,072; Apr. 9.
- Boerner, Lewis W.: *See*—
Hogenmiller, Francis J., Boyd, and Boerner.
- Boerhaave, Thomas J., Collingswood, and J. W. Sanborn, Merchantville, N. J., assignors to Radio Corporation of America. High-frequency apparatus. 2,412,314; Dec. 10.
- Boes, Floyd M., assignee: *See*—
Morris, Thomas L.
- Boese, Albert B., Jr., Pittsburgh, Pa., and F. G. Young, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Preparation of 1,3-diketones. 2,395,800; Mar. 5.
- Boettler, Charles K., Jr., Roselle, T. S. Chambers, Newark, and O. C. Slotterbeck, Rahway, N. J., assignors to Standard Oil Development Company. Electrolytic pinacol production. 2,408,036; Sept. 24.
- Boettinger, Leo J., Sartell, Minn. Head box slice for paper making machines. 2,394,509; Feb. 5.
- Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Work gripping device. 2,399,622; May 7.
- Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool having a torque measuring device. 2,402,273; June 18.
- Bogart, Marcel J. P.: *See*—
Brunjes, Austin S., and Bogart.
- Bogla, Frank D., Clifton, N. J., assignor to Grant Positope Corporation, New York, N. Y. Picture frame. 2,403,491; July 9.
- Bogin, Charles, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Cellulose acetate butyrate coating compositions. 2,400,453; May 14.
- Bogin, Charles, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Coatings for cellulose acetate plastics. 2,406,658; Aug. 27.
- Bogle, Homer T., U. S. Navy. Aircraft landing net. 2,405,556; Aug. 13.
- Bogoslowsky, Boris, Jackson Heights, N. Y. Collapsible tube. 2,396,635; Mar. 19.
- Bogoslowsky, Boris, Jackson Heights, N. Y. Container. 2,402,943; July 2.
- Bogoslowsky, Boris, Jackson Heights, N. Y. Apparatus for making collapsible tubes. 2,403,042; July 2.
- Bogoslowsky, Boris, Jackson Heights, N. Y. Container. 2,405,682; Aug. 13.
- Bogoslowsky, Boris, Jackson Heights, N. Y. Collapsible tube. 2,411,244; Nov. 19.
- Boh, George W., assignor to O. B. Andrews Company, Chattanooga, Tenn. Packing wrapper. 2,408,159; Sept. 24.
- Bohler, Francis M., Long Beach, Calif. Portable surface grinder. 2,409,340; Oct. 15.
- Bohmer, Charles W., Jr.: *See*—
Wright, Donald L., and Bohmer.
- Bohmer, Clarence I., and A. S. Millikin, assignors to The Jaeger Machine Company, Columbus, Ohio. Mix-consistency indicator for concrete mixers. 2,409,014; Oct. 8.
- Bohn, August J., Fulton County, Ga. Masonry structure and units used therewith. 2,397,119; Mar. 26.
- Bohn, Donald I., Pittsburgh, assignor to L. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker holding magnet and armature. 2,412,247; Dec. 10.

- Boicey, James H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass glazing unit. 2,406,939; Sept. 3.
- Boisselier, Earl D., *See*—
- Hohmann, Richard K., and Boisselier.
- Boisselier, Earl D., Glen Elynn, assignor to Sears, Roebuck and Co., Chicago, Ill. Motion-picture projector. 2,396,243; Mar. 12.
- Bolvin, Odile, Montreal, Quebec, Canada. Shoe heel. 2,400,282; May 14.
- Bokeno, John, Sewell, N. J., assignor to Radio Corporation of America. Extruding thermoplastic materials. 2,411,847; Dec. 3.
- Bokovoy, Samuel A., Verona, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cartridge crystal holder. 2,395,034; Feb. 19.
- Bokovoy, Samuel A., Verona, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency determining unit. 2,399,908; May 7.
- Bokovoy, Samuel A., Verona, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Piezoelectric crystal cabinet. 2,410,041; Oct. 29.
- Bokovoy, Samuel A., Verona, and K. K. Garrison, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Piezoelectric crystal holder. 2,395,841; Mar. 5.
- Bokovoy, Samuel A., Verona, and H. Stuntz, Nutley, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Frequency determining unit. 2,405,181; Aug. 6.
- Boland, Edward J., Freeport, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Tie plate and rail anchor assembly. 2,410,260; Oct. 29.
- Boland, John V., and B. Burton, St. Louis, Mo.; said Burton assignor to said Boland. Furnace. 2,394,975; Feb. 19.
- Bolas, John T., and R. W. Edwards, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Milling or like machine. 2,396,488; Mar. 12.
- Bolas, John T., R. W. Edwards, and W. J. Latty, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Machine for producing convex surfaces. 2,403,168; July 2.
- Boldt, David H., *See*—
- Boldt, James R. and D. H.
- Boldt, James R. and D. H., Seattle, Wash. Cafeteria cart. 2,413,164; Dec. 24.
- Boldt, Kenneth, *See*—
- Ross, William B., and Boldt.
- Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Variable pneumatic damper for struts. 2,400,486; Aug. 13.
- Bolens, Harry W., Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill. Tilttable chair. 2,403,425; July 2.
- Bolidens Gruvaktiebolag, assignee: *See*—
- Häger, Eror O., N. Shelbyville, Ill. Fireplace. 2,409,731; Oct. 22.
- Bolinger, John C., San Marino, A. K. Brumbaugh, Inglewood, and J. H. Curtis, Redondo Beach, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrogen fluoride alkylation of paraffins. 2,400,386; May 14.
- Bolle, Léon, Geneva, Switzerland. Air or watertight device for timepieces. 2,399,002; Apr. 23.
- Boller, Henry A., West Bloomfield Township, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Safety connection for driving and driven members. 2,402,867; June 25.
- Bolli, Bernhard, assignor to Société Anonyme Adolphe Saurer, Arbon, Switzerland. Internal-combustion engine. 2,398,690; Apr. 16.
- Bolli, Bernhard, assignor to Aktiengesellschaft Adolph Saurer, Arbon, Switzerland. Fuel injection control device. 2,398,878; Apr. 23.
- Bolli, Bernhard, assignor to Aktiengesellschaft Adolph Saurer, Arbon, Switzerland. Regulation of the scavenging and charging of two-stroke fuel injection internal-combustion engines. 2,403,844; July 9.
- Bolling, Oscar S., assignor to Merew-Johnson Machine Company, Minneapolis, Minn. Veneer edge gluing machine. 2,398,353; Apr. 16.
- Bollinger, John C., San Marino, and P. W. Prutzman, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Circulation and contacting of acid catalysts. 2,412,863; Dec. 17.
- Bollman, John H., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra-sonic ranging device. 2,405,182; Aug. 6.
- Bolsey, Jacques, New York, N. Y. Diaphragm adjusting mechanism. 2,397,915; Apr. 9.
- Bolsey, Jacques, New York, N. Y. Y. Range finder. 2,407,917; Sept. 17.
- Bolsey, Jacques, New York, N. Y. Photographic camera. 2,400,005; Oct. 15.
- Bolsey, Jacques, New York, N. Y. Shutter actuating mechanisms. 2,412,559; Dec. 17.
- Bolster, Calvin M., U. S. Navy. Towed glider launching. 2,399,196; Apr. 30.
- Bolt, John A., *See*—
- Kruse, Willard B., Nysewander, and Bolt.
- Botte, Leo R., Staten Island, N. Y. Temperature indicating electric iron. 2,408,750; Oct. 8.
- Bolton, Elmer K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pickling solution for metals. 2,402,596; June 25.
- Bolton, Joan V., Ithaca, N. Y. Production of salt brine. 2,412,560; Dec. 17.
- Bolton, James, New Bedford, Mass. Method of and apparatus for use in preparing weaving warps. 2,406,988; Sept. 3.
- Bolton, John W., & Sons, Inc., assignee: *See*—
- Stuck, Harold D., and Bolton.
- Bolton, William W., *See*—
- Stuck, Harold D., and Bolton.
- Bomford, Douglas R., Pittchill, near Evesham, England. Method and machine for hoeing. 2,413,429; Dec. 31.
- Bonanno, Joseph L., Madison, N. J., assignor to Lionel Corporation, New York, N. Y. Smoke producing toy. 2,413,284; Dec. 31.
- Bonard, Claude, administrator: *See*—
- Dreyfus, Henry.
- Dreyfus, Henry, Bryans, and Drewitt.
- Dreyfus, Henry, Walker, and Rooney.
- Bonbright, Howard, Grosse Pointe, assignor to Briggs Manufacturing Company, Detroit, Mich. Aircraft. 2,397,526; Apr. 2.
- Bond, Donald C., Northbrook, and N. B. Russell, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Preparation of isobutane and ethyl chloride. 2,392,454; Jan. 15.
- Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Preparation of ethyl halides. 2,412,550; Dec. 10.
- Bond, George H., Jr., Fallsboro, N. J., assignor to Houdry Process, Wilmington, Del. Purification of styrene and its homologues. 2,410,042; Oct. 29.
- Bond, Harlan A., *See*—
- Lacy, Burritt S., Bond, and Hinegardner.
- Bond, Marion E., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Frequency discriminator. 2,404,359; July 23.
- Bonde, Gust, Marinette, Wis. Double suction plunger. 2,406,317; Aug. 27.
- Bonde, Joseph G., Santa Monica, Calif. Adjustable nose splint. 2,398,073; Apr. 9.
- Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company, Magnetron. 2,404,212; July 16.
- Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. High-frequency electric discharge device. 2,406,277; Aug. 20.
- Bongiovanni, Antonio, assignor of one-half to A. Geraci, Philadelphia, Pa. Eyeglass hanger. 2,411,361; Nov. 19.
- Bonham, Walter K., Palo Alto, Calif. Engine fan cover. 2,400,486; Aug. 27.
- Boninchi, J., & Ses Fils, assignee: *See*—
- Boninchi, Joseph A.
- Boninchi, Joseph A., assignor to J. Boninchi & Ses Fils, Geneva, Switzerland. Tight winding device for timepieces. 2,405,087; July 30.
- Bonkowski, Teofil, Los Angeles, Calif. Shield for sanding drum slots. 2,413,165; Dec. 24.
- Bonnefoy-Cudraz, Emile R., Courbevoie, France; vested in the Alien Property Custodian. Apparatus for manufacturing hollow glass articles. 2,405,557; Aug. 13.
- Bonnell, Lauren W., Fort Worth, Tex., and R. G. Sharp, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Bomb loading apparatus for airplanes. 2,411,647; Nov. 26.
- Bonnell, William S., Oakmont, and W. W. Weinrich, Fox Chapel Borough, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Conversion of hydrocarbons. 2,399,093; Apr. 23.
- Bonner, Roland E., Stamford, Conn., and M. D. Brewster, assignors to Atlas Powder Company, Wilmington, Del. Tack testing device. 2,406,989; Sept. 3.
- Bonner, Walter F., Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation. Forming sprayed layers. 2,401,220; May 28.
- Bonotto, Michael, Princeton, N. J., assignor to D. Di Frasso, Beverly Hills, Calif. Ingredients for producing high explosives. 2,411,145; Nov. 19.
- Bonsack, Walter, South Euclid, assignor to The National Smelting Company, Cleveland, Ohio. Melting furnace. 2,393,306; Jan. 22.
- Bonte, Frederick R., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing steels. 2,413,602; Dec. 31.
- Bonville, Edward J., New London, assignor to Robertson Paper Box Co., Inc., Montville, Conn. Box. 2,396,150; Mar. 12.
- Bonyhady, Emil M., Worcester, Mass. Flyer's boot. 2,402,726; June 25.
- Bonyhady, Emil M., Worcester, Mass. Heel construction for platform shoes. 2,402,727; June 25.
- Booe, James M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrolytic condenser and electrode therefor. 2,404,824; July 30.
- Booher, Howard, Hillsboro, Ill. Highway reflector sign. 2,411,187; Nov. 19.
- Bocharin, Leo Y., assignor of one-third to W. G. Campbell and one-third to G. Theroux, Edmonton, Alberta, Canada. Winding device. 2,395,094; Feb. 19.
- Bocharin, Leo Y., San Francisco, Calif., assignor of one-third to E. W. Tiedtke and one-third to O. F. Koehn. Paint brush. 2,395,245; Feb. 19.

- Book, Charles R., assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container. 2,409,658; Oct. 22.
- Boon, William R., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Bismureas. 2,398,283; Apr. 9.
- Boon, William R., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Alkylene-bis-ureas. 2,409,829; Oct. 22.
- Boone, Charles G., assignor of one-half to Royal A. McIntyre, Tulsa, Okla. Fluid lift motor. 2,394,976; Feb. 19.
- Boone, Charles G., assignor of one-half to R. A. McIntyre, Tulsa, Okla. Automatic drainage device. 2,413,430; Dec. 31.
- Boone, Claude T., Sr., Dallas, Tex. Cotton harvesting machine. 2,406,058; Aug. 26.
- Boone, Harry C., Lubbock, Tex. Brace. 2,412,075; Dec. 3.
- Boone, Paul D.; See—
Turk, Ames, and Boone.
- Boor, Francis H., Lafayette, Ind., assignor to Fairfield Manufacturing Company. Gear. 2,403,492; July 9.
- Boos, Wilfred J., assignor to Walk Easy Foot Rest Manufacturing Company, St. Louis, Mo. Orthopedic appliance. 2,400,680; May 21.
- Boosey, Edward W. N., Detroit, Mich. Vacuum breaker. 2,405,639; Aug. 13.
- Boosey, Lawrence N., assignor to Norman Boosey Manufacturing Company, Detroit, Mich. Floor drain. 2,400,070; May 14.
- Boosey, Norman, Manufacturing Company, assignee: See—
Boosey, Lawrence N.
- Booth, Arthur C., North Ferrisburg, Vt. Controlling device for air conditioning systems. 2,401,042; May 28.
- Booth, Douglas G.; See—
Fuch, Cyril A., and Booth.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Food drier. 2,396,455; Mar. 12.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Making tubing. 2,401,542; June 4.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Metal furniture. 2,408,907; Oct. 8.
- Booth, George W., assignee: See—
Walters, Charles.
- Booth, Harry T., Dayton, Ohio. Viscosity responsive means. 2,400,910; May 28.
- Booth, Harry T., Dayton, Ohio. Surge valve. 2,400,911; May 28.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc. See—
Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Propeller joint. 2,401,812; June 11.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Steering joint assembly. 2,411,021; Nov. 12.
- Booth, Robert B., Springdale, and E. C. Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of iron ores. 2,410,376; Oct. 29.
- Booth, Robert B., Springdale, and E. C. Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of iron ores. 2,410,377; Oct. 29.
- Booth, Robert B., Springdale, and J. E. Carpenter, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of fluorite. 2,410,770; Nov. 5.
- Booth, Rolfe G.; See—
Brunton, Bernard, and Booth.
- Boothe, Eugene F., assignor to James R. Kearney Corporation, St. Louis, Mo. Fuse link. 2,394,590; Feb. 12.
- Boothroyd, Hubert, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,411,499; Nov. 26.
- Booton, W. E., Limited, assignee: See—
Booton, William E., and Witts.
- Booton, William E., Leicester, and H. Witts, Peatling Magna, near Leicester, assignors to W. E. Booton Limited, Leicester, England. Circular knitting machine and method of knitting. 2,400,805; May 21.
- Boots Aircraft Nut Corporation, assignee: See—
Kimbell, Arthur W.
- Boppart, Ernst, assignee: See—
Gizer, Ernst.
- Boral, Emil; See—
Florjancich, Peter, and Boral.
- Borchardt, Lester F.; See—
Drkoski, Walter J., and Borchardt.
- Borchardt, Lester F., Minneapolis, Minn., assignor, by mesne assignments, to General Mills, Inc. Producing antirachitic material. 2,408,908; Oct. 8.
- Borden Company, The, assignee: See—
Bradshaw, Lawrence, Morrow, and MacLagan, Dunham, Henry V.
McClatchie, John M.
- Borden, David M.; See—
Butterfield John P., Borden, and Voigt.
Gilliland, Henry W., Borden and Wyckoff.
- Borden, David M., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for controlling superchargers. 2,409,533; Oct. 15.
- Borden, George C., Jr., and K. R. Karlson, Easton, Pa., assignors to Riegel Paper Corporation, New York, N. Y. Antifungus wrapper, etc. 2,406,990; Sept. 3.
- Bordene, Carl, Chicago, and C. J. B. Thor, Western Springs, assignors to The Visking Corporation, Chicago, Ill. Method of making alkoxy acetals. 2,409,015; Oct. 8.
- Bordon Mfg. Co., Inc., assignee: See—
Donnelly, Thomas S., Jr.
- Boree, Ray G., Jacksonville, Fla. Lock hook. 2,395,990; Mar. 5.
- Borell, George L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mechanical torque amplifier. 2,412,386; Dec. 10.
- Boren, John W., Marinette, Wis. Bassinet. 2,401,605; June 4.
- Borg, Edward M., Seattle, Wash. Centrifugal extractor. 2,409,341; Oct. 15.
- Borg, Edward M., Seattle, Wash. Preserving fish. 2,411,188; Nov. 19.
- Borg, George W., Corporation, assignee: See—
Norman, Ernst.
Richardson, Rodney G.
- Borg-Warner Corporation, assignee: See—
Anderson, Edmund B.
Armstrong, Kenneth.
Brestle, Carl.
Carlson, Raymond A., and Swennes.
Carnague, Harold E.
Carnague, Harold E., and Swift.
Flinn, George E.
Kebel, Donald W.
Kipela, Ano E.
Moffitt, William E.
Neumann, George R., and Farrell.
Nutt, Harold.
Ort, Palm.
Reed, Harold V.
Rovick, John D.
Shriver, William C., Jr.
Stuhlman, Frank, and Brustle.
Swennes, Benjamin A., and Shelton.
Van Voorhees, Harold E.
Voytech, Charles F.
- Borgelt, Elmer H., Dayton, Ohio, assignor to the Government of the United States of America, as represented by the Secretary of War. Junction box for rope thimble. 2,398,403; Apr. 16.
- Borgeson, Victor; See—
Hughes, Gordon W., and Borgeson.
- Borlin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Carbohydrate derivatives. 2,392,359; Jan. 8.
- Borlin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Terpene derivatives. 2,392,359; Jan. 8.
- Borlin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Thiocyan substituted carboxylic acid esters. 2,400,065; May 14.
- Borlin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Rosin carbonates. 2,404,213; July 16.
- Borlin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Terpene polymer. 2,405,558; Aug. 13.
- Borlin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Stabilizing a polymerized rosin and polymerized rosin ester. 2,407,248; Sept. 10.
- Borlin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Tetrahydroxyroline alcohol esters of halogen substituted carboxylic acids. 2,410,197; Oct. 29.
- Borgstrom, Parry, Washington, D. C. Gas absorbent material and making the same. 2,395,842; Mar. 5.
- Borkenstein, Robert F., Indianapolis, Ind. Optical means for inspection. 2,406,451; Aug. 27.
- Borkoski, Leon P., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Cord winder. 2,393,138; Jan. 15.
- Bornzesser, Otto J., Burlington, N. J., assignor, by mesne assignments, to Kaiser Cargo, Inc., Bristol, Pa. Hydraulic jack. 2,410,772; Nov. 5.
- Borsheim, Hans T., Davenport, Iowa, assignor to J. I. Case Company, Racine, Wis. Seat construction. 2,411,125; Nov. 12.
- Borst, David W., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,404,614; July 23.
- Borst, William H.; See—
White, Herbert E., and Borst.
- Borsum, Adolph W., U. S. Navy. 360° resistance type transmitter. 2,396,244; Mar. 12.
- Borsum, Adolph W., U. S. Navy. Remote indicator. 2,396,247; Mar. 12.
- Bortnick, Newman M., assignor to Röhms & Haas Company, Philadelphia, Pa. Preparation of unsaturated esters. 2,393,737; Jan. 29.
- Bortolotti, William, Detroit, Mich. Fixture for spreading mortar on glass blocks. 2,393,738; Jan. 29.
- Bortolotti, William, Detroit, Mich. Fixture for spreading mortar on glass blocks. 2,403,335; July 2.
- Borton, Alwyn E., South Orange, N. J., assignor to Associated Patentes, Inc., Ampere, N. J. Manufacture of cartridge links. 2,397,832; Apr. 2.

- Borton, Alwyn E., South Orange, N. J., assignor to Associated Patenteers, Inc., Ampere, N. J. Slide feed. 2,397,833; Apr. 2.
- Borton, George W. See—
Stine, James E., and Borton.
- Bosh, James E., Berwyn, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Calling device. 2,304,300; Feb. 5.
- Bosomworth, George P., Akron, Ohio, assignor to The Firestone Tire & Rubber Company. Apparatus for making sheet material. 2,404,582; July 23.
- Bosomworth, George P., Akron, and D. C. Milner, Barberton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Multiple pressure responsive device. 2,393,503; Jan. 22.
- Bossetta, Gaspar R., New Orleans, La. Hot-water type food broiler. 2,397,043; Apr. 2.
- Bosshard, Werner C. See—
Hartmann, Max, Miescher, Kaegi, and Bosshard.
- Bossi, Enea, New York, N. Y. Helicopter. 2,396,033; Mar. 5.
- Boston Machine Works Company, assignee: See—
Yachon, Lionel G.
- Boston Woven Hose & Rubber Company, assignee: See—
Knowland, Thomas M.
Marcy, Grosvenor D.
- Botnick, Lee G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tunable underwater signal source. 2,404,360; July 23.
- Botnick, Lee G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,404,764; July 30.
- Botnick, Lee G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Moisture control in an electromechanical device. 2,404,786; July 30.
- Botnick, Lee G., and J. H. King, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical device. 2,404,785; July 30.
- Botnick, Lee G., and J. H. King, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling device. 2,411,865; Dec. 3.
- Botnick, Myron A., Budd Lake, and H. W. Lensner, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay. 2,406,584; Aug. 27.
- Botany Worsted Mills, assignee: See—
Smith, John S.
- Bothwell, Edgar C., assignee: See—
Angell, Earle F.
- Botnick, Maurice M., assignor to Silent Hoist & Crane Co., Brooklyn, N. Y. Retractable front carrier attachment for mobile cranes. 2,411,022; Nov. 12.
- Botnick Motor Corporation, assignee: See—
Snell, Francis A.
- Botten, John B., Russell Township, Geauga County, Ohio. Bucket locking means. 2,405,131; Aug. 6.
- Bottom, Leonard R.: See—
Smith, Charles F. J., and Bottom.
- Bouchard, Frederic J., Radford, Va., assignor to Hercules Powder Company, Wilmington, Del. Absorption of chlorine. 2,393,229; Jan. 22.
- Bouchard, Frederic J., Blacksburg, Va., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated rubber product and producing. 2,401,133; May 28.
- Bouchard, Frederic J., Radford, Va., R. C. Guinness, Chicago, Ill., and R. L. Stern, South River, N. J., assignors to Hercules Powder Company, Wilmington, Del. Manufacturing nitrocellulose. 2,403,493; July 9.
- Bouchard, Samuel E., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,410,704; Nov. 5.
- Bouchard, Samuel E., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Goggles. 2,412,076; Dec. 3.
- Bouchard, Samuel E., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle couple connector. 2,410,120; Dec. 3.
- Boucher, Charles P., Paterson, N. J., assignor to National Inventions Corporation. Transformer. 2,391,873; Jan. 1.
- Boucher, Charles P., Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation. Transformer apparatus. 2,391,874; Jan. 1.
- Boucher, Charles P., Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation. Transformer apparatus. 2,410,624; Nov. 5.
- Boucher, Charles P., Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation. Electrical transformer apparatus. 2,391,875; Jan. 1.
- Boucher, Herman G.: See—
Hull, Larry G., and Boucher.
- Bouchez, Seraphin G., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Automatic fuel feed control for internal-combustion engines. 2,399,459; Apr. 30.
- Boucke, Heinz, Berlin-Charlottenburg 2, Germany, assignor, by mesne assignments, to Patents Research Corporation, New York, N. Y. Electric control system. 2,404,160; July 16.
- Boudreau, John L., Westport, Conn. Magazine conversion unit. 2,396,810; Mar. 19.
- Boudreau, Joseph M., New York, N. Y. Treating surfaces. 2,410,626; Nov. 5.
- Boudreau, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical handling apparatus. 2,398,879; Apr. 23.
- Boughton, Fred W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic paper. 2,394,289; Feb. 5.
- Boughton, Olin W., Victor, R. B. Horsfall, Jr., Perinton, and W. T. Perkins, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,399,909; May 7.
- Bouldin, Joseph W., Los Angeles, Calif. Fluid heater. 2,399,318; Apr. 30.
- Boulcault, Marcel, Ladue, Mo. Teeth cleaning unit. 2,399,660; May 7.
- Bounphrey, Geoffrey M., Pershore, England. Drawbar or hitch for agricultural implements. 2,394,744; Feb. 12.
- Bounphrey, Geoffrey M., Pershore, England. Agricultural implement. 2,403,209; July 2.
- Bour, Robert C., assignor to Ditto, Incorporated, Chicago, Ill. Heliograph, blanket and preparing same. 2,407,395; Sept. 10.
- Bourcier, Charles D., Grafton, Mass. Emergency landing strip. 2,402,597; June 25.
- Bourdis, John P., New York, N. Y. Cushion rest attachment for telephony instruments. 2,408,104; Sept. 24.
- Bourgeois, Edward J., Burlington, Vt. Rear hub and axle assembly for floating axles. 2,403,494; July 9.
- Bourke, Norman, Gainesville, assignor to Board of Commissioners of State Institutions, Tallahassee, Fla. Acid spray gun. 2,394,424; Feb. 5.
- Bourne, Harry K., Rugby, England, assignor to General Electric Company. Electric vapor lamp apparatus and operation. 2,405,286; Aug. 6.
- Bourne, Raymond D., Middletown, Ohio. Building ships. 2,398,131; Apr. 9.
- Bourne, Raymond D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Impregnating porous metal parts. 2,401,221; May 28.
- Bourque, Philip L., Detroit, Mich. Electrode holder. 2,395,213; Feb. 19.
- Bourque, Philip L., Detroit, Mich. Electrode holder. 2,395,214; Feb. 19.
- Bousky, Samuel, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Motor speed control. 2,395,246; Feb. 19.
- Bousky, Samuel, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Two-phase motor. 2,405,012; July 30.
- Bousky, Samuel, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Gyro rotor assembly. 2,413,285; Dec. 31.
- Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and Composition. 2,393,086; Jan. 15.
- Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,402,530; June 25.
- Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compositions of matter. 2,405,569; Aug. 13.
- Bousquet, Euclid W., Wilmington, Del., and H. G. Guy, Penn Township, Allegheny County, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,410,862; Nov. 12.
- Bousquet, Joseph, Middlesex, Vt. Inside door lock. 2,396,982; Mar. 19.
- Bouwers, Albert, Eindhoven, Netherlands; vested in the Alien Property Custodian. Telescope system. 2,409,186; Oct. 15.
- Bowden, Clinton L.: See—
Butt, Charles A., Hallman, Bowden, Whitlow, and Pace.
- Bowden, Garfield A.: See—
Berliney, Michael, Bowden, and Hohnstein.
- Bowdill Company, The, assignee: See—
Morrow, Harry M., and Shelton.
- Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency electronic device. 2,403,400; Oct. 15.
- Bowen, Charles V., Bethesda, Md., assignor to the United States of America, as represented by the Secretary of Agriculture. Insecticide. 2,403,495; July 9.
- Bowen, Charles V., Bethesda, Md., and L. E. Smith, Washington, D. C., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Insecticide. 2,392,455; Jan. 8.
- Bowen, Edwin E.: See—
Goss, Norman P., and Bowen.
- Bowen, Merel S., Ellwood City, Pa., assignor to Mathews Conveyor Company, Ellwood City, Pa. Resiliently mounted conveyor. 2,390,079; Mar. 5.
- Bowen, Myron W., Niles, Mich., and E. R. Burnett, Chicago, Ill., assignors to Bendix Home Appliance, Inc., South Bend, Ind. Washing machine transmission and support. 2,399,319; Apr. 30.

- Bowen, William S., Westfield, N. J. Dust collecting and treating mechanism. 2,391,863; Jan. 1.
- Bower, Byron F., assignor to Pines Engineering Company, Aurora, Ill. Indexing and chucking device. 2,404,161; July 19.
- Bower, George D., University City, assignor to Automatic Control Corporation, St. Louis, Mo. Two-stage control. 2,397,465; Apr. 2.
- Bower, John H., Burlingame, Calif. Shampoo cabinet combination. 2,409,187; Oct. 15.
- Bower, John L., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,407,866; Sept. 17.
- Bowers, Charles E., Moylan, assignor to The Fibre-Metal Products Company, Chester, Pa. Face protecting helmet. 2,400,480; May 21.
- Bowers, Elizabeth M., administratrix: See—
- Bowers, Thomas A.
- Bowers, Frederick M., Delaware County, assignor to Fibre Metal Products Company, Chester, Pa. Face protective device. 2,397,722; Apr. 2.
- Bowers, Herbert L.: See—
- Wolf, Robert A., and Bowers.
- Bowers, Thomas A., deceased, Mattapoisett, Mass.; E. M. Bowers, administratrix, assignor of two-thirds to M. H. Hamilton, Lexington, Mass. Piston and piston ring improvement. 2,403,574; July 9.
- Bowersox, Joseph W., St. Petersburg, Fla., assignor to Sealy, Incorporated, Memphis, Tenn. Mattress. 2,403,043; July 2.
- Bowie, Robert M., assignor to Sylvania Electric Products Inc., Emporium, Pa. Current and voltage regulator system. 2,394,891; Feb. 12.
- Bowie, Robert M., assignor to Sylvania Electric Products Inc., Emporium, Pa. Phase comparison apparatus. 2,399,661; May 7.
- Bowler, Harry Willey, assignor to Baker Perkins Limited, Peterborough, England. Dough dividing machine. 2,408,602; Oct. 1.
- Bowland, Andrew, Mount Lebanon, Pa., assignor to William M. Bailey Company. Hot-blast stove. 2,408,728; Oct. 8.
- Bowles, Charles, assignee: See—
- Notman, Clarence A.
- Bowling, Robert T., assignor to Wood Briquettes, Inc., Lewiston, Idaho. Briqueting means. 2,412,709; Dec. 17.
- Bowlus, Omer E.: See—
- Nims, Paul T., and Bowlus.
- Bowlius, Omer E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Electrical control system. 2,409,534; Oct. 15.
- Bowman, Andrew L., deceased; M. J. Bowman, administratrix, Detroit, Mich., assignor of one-half to M. J. Bowman and one-half to W. Bowman. Rocket motor. 2,397,834; Apr. 2.
- Bowman, Charles H., Madison, Wis. Grinding attachment for twist drills. 2,394,839; Feb. 12.
- Bowman, Kenneth K., and G. A. Kane, Scotia, N. Y., assignors to General Electric Company. Control system. 2,412,864; Dec. 17.
- Bowman, Mabel J., administratrix, assignee: See—
- Bowman, Andrew L.
- Bowman, Philip L., Syracuse, N. Y., R. H. Barth, Ridge-wood, and H. B. Burrell, Paramus, N. J., assignors, by mesne assignments, to Heyden Chemical Corporation, Producing ether alcohols. 2,401,743; June 11.
- Bowman, Reginald M., Baltimore, Md. Letter scale. 2,413,166; Dec. 24.
- Bowman, Robert A., Drexel Hill, and J. P. Rathbun, Prospect Park, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat exchange apparatus. 2,392,638; Jan. 8.
- Bowman, Stuart H., assignee: See—
- Johnson, Samuel, Sr.
- Bowman, William, assignee: See—
- Bowman, Andrew L.
- Bowman, William A., and H. L. Baker, Evansville, Ind. Tool to compress packing rings. 2,401,043; May 28.
- Bowme, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,391,941; Jan. 1.
- Bowness, Angus H. F., Leamington Spa, England. Gauging apparatus for use with frustoconical or like article. 2,402,015; June 11.
- Bowser, Gus, Pinellas Park, Fla. Insect electrocutor. 2,404,687; July 23.
- Bowser, S. F., & Company, assignee: See—
- Bergman, Harold E.
- Bowser, S. F., & Company, Incorporated, assignee: See—
- Blum, Homer
- Klopfenstein, Gerald J.
- Marvel, Harvey E.
- Bowsher, Edward A. H., London, W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric remote indication system. 2,398,576; Apr. 18.
- Bowsher, Edward A. H., H. M. M. d'Assis-Fonseca, and H. J. Ward, London, W. C. 2, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical remote indicating and supervisory system. 2,408,037; Sept. 24.
- Box, William A. G., Maidenhead, England. Pipe coupling. 2,396,078; Mar. 5.
- Boyajian, James A., Chicago, Ill., assignor to J. P. Seeburg Corporation. Automatic phonograph. 2,411,612; Nov. 26.
- Boyal-Schultz Corporation, assignee: See—
- Gideon, Victor W.
- Boyce, Edward D., Little Falls, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Coil winding apparatus. 2,406,130; Aug. 20.
- Boyd, Henrietta E., New York, N. Y. Gauntlet glove. 2,406,991; Sept. 3.
- Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Switch device. 2,396,551; Mar. 12.
- Boyd, Malcolm B., Haverhill, Mass. Mechanism for pressure discharge of streams of liquid. 2,406,659; Aug. 27.
- Boyce, Malcolm B., Haverhill, Mass. Grinding machine. 2,407,222; Sept. 17.
- Boyd, Charles P., Kennett Square, Pa. Trough supporting means. 2,399,197; Apr. 30.
- Boyd, Chester M., Silver Spring, assignor to Engineering and Research Corporation, Riverdale, Md. Brake for hydraulic motors. 2,404,615; July 23.
- Boyd, Fisher L.: See—
- Hogenmiller, Francis J., Boyd, and Boerner.
- Boyd, Harold A., Glasgow, Scotland. Spinning and twisting machine. 2,410,705; Nov. 5.
- Boyd, John F., Pittsburgh, and R. A. Bice, Williamsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing assembly. 2,393,017; Jan. 15.
- Boyd, Landon B., La Porte, Ind. Internal-combustion engine piston. 2,404,348; July 23.
- Boyd, Lee R.: See—
- Breckenridge, Frank, and Boyd.
- Boyd, Ruth O., Washington, D. C., assignor to L. B. Koch, New York, N. Y. Smoothing iron. 2,397,236; Mar. 26.
- Boydson, Robert E., Los Angeles, Calif., assignor to Marchant Calculating Machine Company, Automatic counter reverse mechanism. 2,393,018; Jan. 15.
- Boyen, John L.: See—
- Bessler, William J., and Boyen.
- Boyer, Hugh N., near Canfield, Ohio. Toggle bolt. 2,408,366; Oct. 1.
- Boyer, Raymond F.: See—
- Rubens, Louis C., and Boyer.
- Boyer, William R.: See—
- Fox, Oscar M., and Boyer.
- Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shaped amplifier. 2,411,362; Nov. 19.
- Boyle, Edward J., and E. A. Anderson, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Alloys. 2,400,283; May 14.
- Boyle, Frank W., Berwyn, Md. Packing for pipe joints. 2,402,868; June 25.
- Boyle, William G., Dobbs Ferry, N. Y., assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical circuit arrangement. 2,391,862; Jan. 1.
- Boyle-Midway Inc., assignee: See—
- Berlin, Michael, Bowden, and Hohnstine.
- Boyles, Alfred: See—
- Schub, Arthur E., and Boyles.
- Boyles, Harry, and R. W. Grab, Jeannette, assignors to Elliott Company, Pittsburgh, Pa. Expanding tubes. 2,393,283; Jan. 22.
- Boyles, William H., Columbiana, Ohio. Wrench. 2,403,258; July 2.
- Boynton, Alexander, San Antonio, Tex.; S. S. Martin, executrix of said A. Boynton, deceased. Bottom hole regulator and choke. 2,394,977; Feb. 19.
- Boynton, Alexander, deceased, San Antonio, Tex.; S. S. Martin, executrix. Flow intermitter. 2,402,728; June 25.
- Boynton, Erwin R., and H. W. Avery, Schenectady, N. Y., assignors to General Electric Company. Power boost. 2,395,585; Jan. 29.
- Bozarth, Kenneth R., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Adapter for broken drills. 2,399,425; Apr. 30.
- Bozeman, Peter, assignee: See—
- Williams, Louis H.
- Braak, Hendrik Roeloff, Batavia-Centrum, Java, Dutch East Indies, assignor, by mesne assignments, to P. Honig, Washington, D. C., Commissioner of the Board for Economic and Financial Affairs of The Netherlands Indies, Surinam and Curacao, as trustee. Purification of latex. 2,398,613; Apr. 16.
- Brabender, George J., Wausau, Wis. Apparatus for testing water-vapor permeability. 2,400,481; May 21.
- Brace, George A., Washington, D. C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,395,392; Feb. 26.
- Brace, George A., Washington, D. C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,410,934; Oct. 29.
- Brace, Paul H., Mount Pleasant, Mich., assignor to Petro-lite Corporation, Ltd., Wilmington, Del. Apparatus for electrically resolving water-in-oil emulsions. 2,400,975; May 28.
- Brace, Porter H., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Supervisory apparatus. 2,406,318; Aug. 27.

- Brach, E. J., & Sons, assignee: See—
Petrovic, Frank.
- Brack, Elizabeth A., Dorchester, Mass. Shoe kit. 2,403,575; July 8.
- Bracke, R. F. & Company, assignee: See—
Bracke, Robert F.
- Bracke, Robert F., Arlington Heights, assignor to R. F. Bracke & Company, Chicago, Ill. Lavatory and disinfection control. 2,409,535; Oct. 15.
- Brackett, Jesse W., New Bedford, Mass. Cutting machine. 2,408,729; Oct. 8.
- Bradbury, Donald, Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,402,863; June 13.
- Bradbury, Donald, Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,404,428; July 23.
- Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Noninductive gyro rotor. 2,395,447; Feb. 26.
- Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro vertical. 2,409,659; Oct. 22.
- Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Magnetic deflection corrected compass. 2,411,866; Dec. 3.
- Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Aircraft attitude indicator. 2,412,961; Dec. 24.
- Braddon, Frederick D., Babylon, and S. Kellogg, 2nd, Rye, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Erection controlling device for gyroscopes. 2,409,188; Oct. 15.
- Braden, David C., Indianapolis, Ind. Utility board. 2,394,141; Feb. 5.
- Bradford, Aaron C., Thayer, Mo. Sliding vane engine or pump. 2,410,596; Nov. 5.
- Bradford, William, assignee: See—
Taylor, Edward C.
- Bradford, William, Taunton, Mass. Electrically heated blanket. 2,400,735; May 21.
- Bradley, Benjamin R. and R. C., Pittsburgh, Pa. Bottle carrying device. 2,401,679; June 4.
- Bradley, Caton, Durham, Conn. Photographic measuring instrument. 2,400,099; May 14.
- Bradley, Charles B.: See—
Van Dyck, Pierre, and Bradley.
- Bradley, Chester W., deceased, Old Greenwich, by M. H. Bradley, administratrix, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Recovering substituted acetamides. 2,403,576; July 9.
- Bradley, George T., deceased, Kerens, Tex., L. N. Bradley, administratrix. Control for automobiles. 2,411,500; Nov. 26.
- Bradley, James A., St. Petersburg, Fla. Remote detection and control system. 2,399,426; Apr. 30.
- Bradley, Louise N., administratrix: See—
Bradley, George T.
- Bradley, Margaret, administratrix: See—
Bradley, Chester W.
- Bradley, Milton, Company, assignee: See—
Shea, James J.
- Bradley, Richard C.: See—
Bradley, Benjamin R. and R. C.
- Bradley, Robert L., assignor to R. E. Bradley, Belmont, Mass. Condition responsive indicating instrument. 2,395,718; Feb. 26.
- Bradley, Robert V., Charlotte, N. C. Bubble forming device. 2,398,513; Apr. 16.
- Bradley, Ruth E., assignee: See—
Bradley, Robert I.
- Bradley Washfountain Co., assignee: See—
Mullett, Howard G., and Wachter.
- Bradley, William E., Swarthmore, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Wide band amplifier. 2,398,691; Apr. 16.
- Bradley, William E., Swarthmore, assignor to Philco Corporation, Philadelphia, Pa. Superregenerative receiver quenching circuit. 2,412,710; Dec. 17.
- Bradley, William E., Northampton, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Band pass wave filter. 2,404,270; July 16.
- Bradley, William E., assignor to Union Oil Company of California, Los Angeles, Calif. Insecticide and fungicide. 2,405,775; Aug. 13.
- Bradley, William E., Swarthmore, and N. Johnson, Penn. Wynne, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Device for measuring high frequency power. 2,410,706; Nov. 5.
- Bradley, William E., Swarthmore, and N. Johnson, Penn. Wynne, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Device for measuring high-frequency power. 2,410,707; Nov. 5.
- Bradley, William H., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Ironing machine. 2,395,801; Mar. 5.
- Bradner, Burke, assignor, by mesne assignments, to C. E. Theedy, Chicago, Ill., as trustee. File drawer follower. 2,407,055; Sept. 3.
- Bradner, John A., assignor to The Lees-Bradner Company, Cleveland, Ohio. Thread production. 2,410,261; Oct. 29.
- Bradshaw, George B., Wilmington, Del., and W. C. Meuly, New Brunswick, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Refining fats. 2,398,492; Apr. 16.
- Bradshaw, John R., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Bulk cement conveyance. 2,412,121; Dec. 3.
- Bradshaw, John S., Ivor, Va. Rail tool attachment. 2,393,240; Jan. 23.
- Bradshaw, John S., Ivor, Va. Rail tool attachment. 2,393,515; Jan. 22.
- Bradshaw, Lawrence, Bainbridge, F. J. Morrow, Brooklyn, and C. F. MacLagan, Bainbridge, assignors to The Borden Company, New York, N. Y. Adhesives. 2,399,980; May 7.
- Bradshaw, R. D., & Sons, assignee: See—
Bradshaw, Reginald D.
- Bradshaw, Reginald D., assignor to R. D. Bradshaw & Sons, Wendell, Idaho. Honey press. 2,403,784; July 9.
- Bradshaw, Russell R., assignor to The Dow Chemical Company, Midland, Mich. Making molded thermoplastic articles. 2,399,592; Apr. 30.
- Bradsher, Charles K.: See—
Gross, Paul M., Hobbs, and Bradsher.
- Bradt, Charles H., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Duplicating machine. 2,403,259; July 2.
- Brady, Wilbur O., Groton, Maine, and H. H. Oaks, Newport, Wash., assignors to Vanadium Corporation of America, New York, N. Y. Electrodeposition of manganese. 2,398,614; Apr. 16.
- Brady, Charles V., Webster Groves, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag. 2,392,221; Jan. 1.
- Brady, Charles V., Webster Groves, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Valved bag. 2,393,739; Jan. 29.
- Brady, Charles V., Webster Groves, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag. 2,406,660; Aug. 27.
- Brady, Charles V., Webster Groves, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag closure. 2,406,661; Aug. 27.
- Brady, Charles V., Webster Groves, and R. J. Williams, Richmond Heights, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Bag structure and process of manufacture. 2,409,100; Oct. 8.
- Brady, Edmund E., Jr.: See—
Hobson, Frank M., and Brady.
- Brady, Francis E., Jr., Muncie, Ind. Fluid seal. 2,395,095; Feb. 16.
- Brady, Hugh D., Phoenix, Ariz. Plastic bracelet. 2,413,541; Dec. 31.
- Brady, James M., Washington, D. C. Solar operated electric switch. 2,410,421; Nov. 5.
- Brady, James R., St. Louis, and A. Moskowitz, University City, assignors to Milius Shoe Company, St. Louis, Mo. Shoe and manufacturing the same. 2,412,865; Dec. 17.
- Brady, Madeline V., assignee, et al.: See—
Brady, Robert H., and Birkner.
- Brady, Nelson G., administrator: See—
Brady, Sanford C.
- Brady, Robert H., St. Louis, and Emil O. Birkner, Pasadena Hills, assignors of one-third to H. C. Reagan, one-sixth to M. V. Brady, St. Louis, and one-sixth to G. M. Birkner, Pasadena Hills, Mo. Bottle case. 2,396,770; Mar. 19.
- Brady, Samuel C.: See—
Gruenberg, Ivor J., and Brady.
- Brady, Samuel G., Royal Oak, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Method and apparatus for cutting keyways. 2,397,086; Mar. 26.
- Brady, Sanford C., deceased, by N. G. Brady, Bartlesville, Okla., administrator. Fluid lift. 2,396,817; Mar. 19.
- Braithwaite, Robert C., Manchester, England, assignor to Metropolitan-Vickers Electrical Company, London, England. Antifriction bearing having fluid passages. 2,399,539; Apr. 30.
- Braithwaite, Robert C., and K. Wilcox, Manchester, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Mechanical relay of the relay type. 2,408,603; Oct. 1.
- Brallier, Paul S., Niagara Falls, N. Y., assignor to Stauffer Chemical Company. Production of titanium tetrachloride. 2,401,543; June 4.
- Brallier, Paul S., Niagara Falls, N. Y., assignor to Stauffer Chemical Company. Production of silicon tetrachloride and titanium tetrachloride. 2,401,544; June 4.
- Blaff, Henry E., Rockville Centre, N. Y. Container. 2,402,944; July 2.
- Bramberry, Harry M., Oak Park, Ill. Piston ring. 2,404,616; July 23.
- Bramble, Donald E., assignor of one-half to T. Bjorn, Chicago, Ill. Trailer top. 2,406,737; Sept. 3.
- Bramble, John R., See—
Horstman, Clifford C., and Bramble.
- Brame, Eugene, Farnborough, Hants, England. Mechanism for the supply of fuel to internal-combustion engines. 2,397,835; Apr. 2.
- Bramhall, Charles H., Silver Spring, Md. Automatic window wiper. 2,393,605; Jan. 29.
- Bramley, Sylvanus W., White Plains, N. Y. Clock winding mechanism. 2,412,077; Dec. 3.

- Bramming, Carl, Anderson, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp socket with side switching mechanism. 2,412,439; Dec. 10.
- Branson, Ely, assignor to The Branson Manufacturing Co., Chicago, Ill. Egg candling apparatus. 2,403,705; July 9.
- Branson Manufacturing Co., The, assignee: See—Branson, Ely.
- Branson, Mogens L., Elstree, England. Fuel supply tank. 2,395,802; Mar. 5.
- Brand, Arthur, New York, N. Y. Toy. 2,410,627; Nov. 5.
- Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,407,625; Sept. 17.
- Brand, Jean J., Arlington, Va., assignor to Radio Corporation of America. Permeability tuned band-spread. 2,402,261; June 18.
- Brand, Samuel, Binghamton, and H. J. Klotz, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Apparatus for transmitting intelligence. 2,399,720; May 7.
- Brand, Samuel, Binghamton, and J. M. Cunningham, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record controlled accounting machine. 2,405,287; Aug. 6.
- Brandes, Frank A., Shaker Heights, Ohio. Press. 2,398,198; Apr. 30.
- Brandt, Clarence W., Newport, and G. M. Brandon, Tallahassee, Fla. Receptacle for fluids. 2,408,503; Oct. 1.
- Brandon, George M.: See—Brandon, Clarence W. and G. M.
- Brandon, Harold: See—Breiter, Harold, and Brandon.
- Brandon, Richard C., Elizabeth, N. J., assignor to Standard Oil Development Company. Refining process. 2,394,978; Feb. 13.
- Brandon, Thomas D., U. S. Navy. Quick, high precision ball releasing mechanism. 2,399,199; Apr. 30.
- Brandon, Thomas O., U. S. Navy. Stadiometer. 2,403,965; July 16.
- Brandt, Automatic Cashier Company, assignee: See—Hoffman, Otis E., Quirk, and Spenger.
- Brandt, David G., Westfield, N. J., assignor to Cities Service Oil Company, New York, N. Y. Manufacturing toluene. 2,398,074; Apr. 9.
- Brandt, Harold H.: See—Hunt, Charles K., Olin, and Brandt.
- Brandt, Joseph & Bro. Inc., assignee: See—Weiss, Charles.
- Brandt, Robert J., Los Angeles, Calif. Filter frame. 2,401,044; May 28.
- Brandt, Robert L., New York, assignor, by mesne assignments, to R. B. Colgate, Lloyd Neck, N. Y. Mixing method. 2,405,487; Aug. 6.
- Brandt, Weldon H.: See—Seastone, John B., and Brandt.
- Brandwen, Paul, Scranton, Pa. Seat table. 2,397,528; Apr. 2.
- Branham, Beldon, Springfield, Ohio. Railroad tie. 2,406,131; Aug. 20.
- Branner, Bernard D., Waterford, Conn. Landing gear for aircraft. 2,410,625; Nov. 5.
- Brannigan, Thomas P., G. H. Raison, and W. H. Yoder, assignors to General Motors Corporation, Detroit, Mich. Dampener for lithographic printing. 2,395,654; Feb. 26.
- Brannin, James W., Cambridge, Mass., assignor, by mesne assignments, to the Government of the United States of America as represented by the Secretary of the Navy. Echo box resonance tester. 2,405,814; Aug. 13.
- Brannon, James L., Plainfield, and S. A. Mraz, Perth Amboy, N. J., assignors to Bakelite Corporation. Resin casting mold. 2,400,482; May 21.
- Bransky, David W.: See—Lemmon, Norman E., Bransky, and Langan.
- Branson, Norman G.: See—Kuehni, Hans P., and Branson.
- Brant, David O., Beverly Hills, Calif. Milk strainer. 2,410,010; Oct. 23.
- Brant, Gilbert W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dye casting solution of cellulose acetate. 2,412,947; Dec. 24.
- Brant, Joseph H., and R. R. Conklin, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of acrolein diacylates. 2,393,740; Jan. 29.
- Brant, Walter R., and H. G. Chapman, Jr., Glendale, Calif., assignors to Adel Precision Products Corp. Valve. 2,404,349; July 23.
- Brassel, Jakob: See—Straub, Fritz, and Brassel.
- Straub, Fritz, Brassel, and Mayer.
- Brassert, H. A., & Company, assignee: See—Brassert, Herman A.
- Brassover, Charles F.
- Brassett, Herman A., Washington, Conn., assignor to H. A. Brassett & Company, New York, N. Y. Apparatus for reduction of oxides. 2,404,944; July 30.
- Bratt, Axel: See—Scholes, Addison R., and Bratt.
- Bratz, Otto J., Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Rip cord fitting. 2,398,692; Apr. 16.
- Bratzel, George V., Menlo Park, Calif. Piston for internal-combustion engines. 2,398,577; Apr. 16.
- Brauchler, Charles A., Canton, Ohio. Method and apparatus for forging crankshafts. 2,400,387; May 14.
- Brauer, Howard H., and R. W. Kuebel, assignors to Stromberg-Carlson Company, Rochester, N. Y. Method and apparatus for generating impulses. 2,411,648; Nov. 26.
- Braun, B. L., assignee: See—Frail, Harry R.
- Braun, Karl J., Merrick, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Card punching machine. 2,399,623; May 7.
- Braun, Karl J., Merrick, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Card feeding device. 2,401,719; June 11.
- Braun, Ralph L. P.: See—Urbant, Sam.
- Braun, Sylvan: See—Vorneck, Herbert A., Hesse, and Braun.
- Braun, William F. H., Wynwood, Pa. Machine for making spirals. 2,401,720; June 11.
- Braunsdorf, Reginald K., East Orange, and L. W. Curtis, Verona, assignors to Tung-Sol Lamp Works, Inc., Newark, N. J. Electric incandescent lamp bulb for vehicle lamps. 2,396,674; Mar. 19.
- Braunworth, Albert, Queens Village, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing cylinder blanket securing mechanism. 2,409,536; Oct. 15.
- Braunworth, Albert, Queens Village, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing plate clamping mechanism. 2,409,830; Oct. 22.
- Bravo, Mauricio, Chicago, Ill. Incense dispenser. 2,409,469; Oct. 15.
- Bray, Elwyn R., St. Paul, Minn. Fishing line retriever. 2,397,916; Apr. 9.
- Bray, Frederick H.: See—Hartley, George C., Lowry, and Bray.
- Bray, Hubert L., Lafayette, and R. E. Howard, West Lafayette, assignors to Purdue Research Foundation, Lafayette, Ind. Electrodeposition of bright zinc. 2,393,741; Jan. 29.
- Brayton, Harold M.: See—Woodberry, John H., Storm, Barker, Miles, Brayton, and Seavey.
- Brazil Babasu Corporation, assignee: See—Grupe, William F.
- Brazitis, Edward, St. Clair Shores, Mich. Welding electrode holder. 2,393,742; Jan. 29.
- Brazitis, Edward, St. Clair Shores, Mich. Welding electrode holder. 2,412,492; Dec. 10.
- Breacley Company, The, assignee: See—Sutton, John C.
- Breaux, Neil T., Houston, Tex. Overshot. 2,410,262; Oct. 29.
- Brecht, Winston A., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive drive. 2,411,363; Nov. 19.
- Brecht, Winston A., Forest Hills, and F. L. Alben, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine locomotive. 2,394,037; Feb. 6.
- Brecht, Winston A., Wilkensburg, and C. Kerr, Jr., Edgewood, assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Double-end turbine locomotive. 2,412,866; Dec. 17.
- Breck, Samuel, Rutherford, and E. S. Ebers, Nutley, N. J., assignors to United States Rubber Company, New York, N. Y. Vulcanization of olefin-diolefin copolymers. 2,395,778; Feb. 25.
- Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric controller apparatus. 2,394,142; Feb. 5.
- Breckenridge, Frank, and L. R. Boyd, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing apparatus. 2,412,078; Dec. 3.
- Brede, Martin H., Denver, Colo. Carrying pocket for hearing aids. 2,400,626; May 21.
- Brede, Martin H., Denver, Colo. Carrying pocket for hearing aids. 2,408,966; Oct. 8.
- Breed, William S., Minneapolis, Minn. Shopping cart. 2,393,020; Jan. 15.
- Breed, Carroll M., and H. Kirchhofer, assignors to United Stove Company, Ypsilanti, Mich. Cook stove construction. 2,395,532; Feb. 26.
- Breedlove, Charles S., Detroit, Mich. Combined threaded fastener and anchor. 2,403,490; July 9.
- Breen, F. H., assignee: See—Heenan, Daniel.
- Breen, Thomas H., assignor of one-half to C. A. Kennedy, Buffalo, N. Y. Furnace device. 2,403,044; July 2.
- Breese, George A., Emmenton, and L. D. Garratt, New Castle, Pa. Glassmaking machinery. 2,410,422; Nov. 5.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Spherical liquid fuel burner. 2,393,231; Jan. 22.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Stove structure. 2,393,232; Jan. 22.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Oil burner with vaporizing type pilot. 2,393,233; Jan. 22.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Liquid fuel burner. 2,396,675; Mar. 19.

- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Generator type heater. 2,396,818; Mar. 19.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Hot-water heater for army use. 2,396,819; Mar. 19.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Vaporizing burner. 2,396,820; Mar. 19.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Liquid fuel burner structure. 2,396,821; Mar. 19.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner for army type stoves. 2,397,529; Apr. 2.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Floor furnace with horizontal burner. 2,401,330; June 4.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner and flow control means. 2,409,470; Oct. 15.
- Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Generator type burner. 2,410,478; Nov. 5.
- Breese, James L., and B. Hayter, assignors to Oil Devices, Santa Fe, N. Mex. Two level control. 2,397,120; Mar. 26.
- Breeze, Charles A., Aberdeen, Scotland. Tractor wheel attachment. 2,409,246; Oct. 15.
- Breeze Corporations, Inc., assignee: *See—* Cadman, Arthur H.
- Breitenstein, Charles T.: *See—* Breither, Robert H., Seiden, Breitenstein, and Nicolaus.
- Breiter, Harold, New York, and H. Brandon, Brooklyn, N. Y. Change purse. 2,408,751; Oct. 8.
- Breither, Robert H., H. L. Seiden, C. T. Breitenstein, and F. G. Nicolaus, assignors to Raymond T. Maloney, Chicago, Ill. Variable stroke mechanism. 2,410,708; Nov. 5.
- Breitwieser, Charles J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Electromechanical synchronizing mechanism. 2,403,577; July 9.
- Breman, Frank J.: *See—* Davidson, William W., and Breman.
- Bremser, Albert T., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Fuel injection apparatus. 2,408,288; Sept. 24.
- Brengman, James D.: *See—* Snow, William H., and Brengman.
- Brenkert, Karl, assignor to Brenkert Light Projection Company, Detroit, Mich. Geneva movement. 2,399,721; May 7.
- Brenkert Light Projection Company, assignee: *See—* Brenkert, Karl.
- Brennan, Joseph B., assignee: *See—* Moynihan, John J.
- Brennan, Joseph B., Bratenahl, Ohio. Electrolytic device and making same. 2,403,968; Feb. 5.
- Brennan, Joseph B., Bratenahl, Ohio. Electrode and making same. 2,406,345; Aug. 27.
- Brennan, Joseph B., Euclid, Ohio. Core. 2,397,121; Mar. 26.
- Brennan, Joseph B., Euclid, Ohio. Article made of fibrous material. 2,408,038; Sept. 24.
- Brennan, Joseph B., Euclid, Ohio. Making electrolytic devices. 2,412,201; Dec. 10.
- Brennan, Joseph B., and E. L. Marsh, Euclid, Ohio; said Marsh assignor to said Brennan. Making screen stencils. 2,395,448; Feb. 26.
- Brennen, Ronald F., Valley Stream, assignor to General Die-Stamping-Tool Company, New York, N. Y. Co-ordinated cam collet actuator. 2,410,807; Nov. 12.
- Brenner, Abner, Chevy Chase, and W. A. Olson, Silver Spring, Md., assignors to United States of America, as represented by the Secretary of Commerce. Acid rhodium plating. 2,401,331; June 4.
- Brenner, Bert, Union, N. J. Industrial diamond tool and producing same. 2,411,897; Dec. 3.
- Brenner, Herman A.: *See—* Barnes, Eugene L., and Brenner.
- Brenner, John H., and L. Slama, Humboldt, Nebr. Tie rod coupling. 2,399,151; Mar. 5.
- Brenzinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Can end seaming mechanism. 2,410,263; Oct. 29.
- Brown, George A., & Company, assignee: *See—* Hoeft, Willard M., and Schneider.
- Brosch, Albert L., University City, Mo. Animated toy. 2,401,456; June 4.
- Brucka, Rudolph S., Cranford, N. J. Cooker. 2,397,836; Apr. 2.
- Breslav, Jack, New Haven, Conn. Stock supporting table. 2,408,730; Oct. 8.
- Bressee, Fred, Jr.: *See—* Larson, Rudolph H.
- Breth, Walter J., and R. M. Wornald, assignors to The General Tire and Rubber Company, Akron, Ohio. Tire building machine. 2,409,574; Oct. 22.
- Bretton, Ernest J., Arlington, and W. H. Waggaman, Alexandria, Va., assignors to the United States of America, as represented by the Secretary of the Interior. Manufacturing calcium fluoride. 2,410,043; Oct. 29.
- Brethauer, Hermann, Berlin-Lankwitz, Germany; vested in the Allen Property Custodian. Device for adjusting objectives of different focal lengths in cameras. 2,401,134; May 28.
- Breuer, Frederick W., Haverford, Pa., assignor to The United Gas Improvement Company. Concentrating unsaturated hydrocarbon material. 2,395,957; Mar. 5.
- Brewer, Alexander F., Garden City, N. Y., assignor to Spercyr Gyroscope Company, Inc. Electronic voltage regulator. 2,398,916; Apr. 23.
- Brewer, Alfred G.: *See—* Scrivener, William C., and Brewer.
- Brewer, Charles A., Noroton Heights, Conn. Eraser. 2,406,487; Aug. 27.
- Brewer & Company, Inc., assignee: *See—* Taylor, Harden F.
- Brewer, John A., Kalamazoo, Mich. Toy. 2,398,615; Apr. 2.
- Brewer, Nathaniel, Newton, assignor to Fischer & Porter Company, Hatboro, Pa. Flowmeter. 2,400,097; May 14.
- Brewer, Nathaniel, Newton, assignor to Fischer & Porter Company, Hatboro, Pa. Stopcock. 2,412,597; Dec. 17.
- Brewer, Nathaniel, Hatfield, assignor to Fischer & Porter Company, Hatboro, Pa. Rotameter. 2,404,361; July 23.
- Brewer, Thaddeus E., Crittenden County, Ark. Loading chute for pickup hay balers. 2,412,711; Dec. 17.
- Brewster Aeronautical Corporation, assignee: *See—* Brown, Dayton T., Yucio, and Moore.
- Brewster, James A., and E. F. Fernandez, Buenos Aires, Argentina, assignors of fifty per cent to The Smithfield and Argentine Meat Company Limited, West Smithfield, London, England, and fifty per cent to Corporacion Argentina De Productores De Carnes, Buenos Aires, Argentina. Refrigeration of meat. 2,402,121; June 18.
- Brewster, Morris D.: *See—* Bonner, Rowland E., and Brewster.
- Brewton, Robert L., Chicago, Ill., assignor to Inland Steel Container Company, Chicago, Ill. Grease container. 2,393,217; Jan. 15.
- Breyer, John, Brooklyn, N. Y. Artificial tooth and anchor therefor. 2,394,659; Feb. 12.
- Breyfogel, Albert W.: *See—* Haglund, Hakon H., and Breyfogel.
- Brian, Joseph M., Westmount, Quebec, Canada, assignor to Radio Corporation of America, New York, N. Y. Remote control frequency selector system. 2,413,211; Dec. 24.
- Brieker, Burton C., Rahway, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrical resistor. 2,394,591; Feb. 12.
- Brieker, Carl E., assignor to Winifoot Corporation, Akron, Ohio. Brake shoe spring arrangement. 2,392,970; Jan. 15.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Pole. 2,392,222; Jan. 1.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Making barbed wire structures. 2,392,223; Jan. 1.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Producing a renewable tread tire. 2,401,045; May 28.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Torpedo net. 2,408,367; Oct. 1.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Wire reinforced fabric. 2,408,368; Oct. 1.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Detachable terminal fitting for stranded-wire structure. 2,412,948; Dec. 24.
- Brickmer, Arthur J., assignee: *See—* Johnson, William.
- Brickson, Thomas B., Hollywood, assignor to A. R. Brooks, Los Angeles, Calif. Crutch. 2,408,604; Oct. 1.
- Bridge, Richard E., South Harrow, England. Automatic stopping of looms. 2,403,497; July 9.
- Bridgeport Brass Company, assignee: *See—* Broecker, Lewis C.
- Brown, Gregory.
- Bridgeport Fabrics, Inc., assignee: *See—* Spraguen, Louis.
- Bridgeport Safety Emery Wheel Company, The, assignee: *See—* Gumper, Clarence.
- Bridgland, John W.: *See—* Lovant, Hugh J., and Bridgland.
- Briede, Arthur, et al., assignee: *See—* Zorich, Stephen.
- Briggs, Carl R., Mantua, Ohio. Steam engine valve mechanism. 2,392,360; Jan. 8.
- Briggs, Carl R., Mantua, Ohio. Boiler construction. 2,395,935; Feb. 19.
- Briggs, Carl R., Mantua, Ohio. Throttle valve control. 2,401,545; June 4.
- Briggs Clarifier Company, assignee: *See—* Briggs, Southwick W., Bauer, Ewbank, and Porter.
- Briggs Filtration Company, The, assignee: *See—* Bauer, Walter C.
- Briggs, Lloyd A., Cranford, and J. A. Spencer, Teaneck, N. J., assignors to Radio Corporation of America. Enciphering and deciphering system. 2,401,855; June 11.

Briggs Manufacturing Company, assignee: *See—*

Ball, Albert P.
Bonbright, Howard.
Frank, Clarence E.
Gernandt, Waldo G.
Gernandt, Waldo G., and Walden.
Kirsch, Frank E.
Pattison, Herbert J.
Prance, Alvin W.
Sherman, Arthur E.
Vignostad, Tryve, and Juul.
Walden, Alfred.

Briggs, Maynard R., and A. A. Macdonald, Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Search system for radio locators. 2,412,867; Dec. 17.

Briggs, Southwick W., Washington, D. C. Filter unit. 2,395,449; Feb. 26.

Briggs, Southwick W., Washington, D. C. Filters. 2,398,284; Apr. 9.

Briggs, Southwick W., Washington, D. C. Process for clarifying fluids. 2,401,222; May 28.

Briggs, Southwick W., Washington, D. C. Bonded adsorbent. 2,407,247; Sept. 10.

Briggs, Southwick W., Washington, D. C. Filter unit and making same. 2,413,431; Dec. 31.

Briggs, Southwick W., Washington, D. C., W. C. Bauer, Chevy Chase, W. J. Ewbank, Kensington, Md., and R. C. Porter, Arlington, Va., assignors to Briggs Clarifier Company, Washington, D. C. Dehydration of oil. 2,393,965; Feb. 26.

Briggs & Stratton Corporation, assignee: *See—*

Fitz Gerald, John W.

Jacobi, Edward N.

Briggs, Thomas H., and W. H. Briggs, Birmingham, England, assignors to Burmah & Sons Limited, Birmingham, England. Friction clutch. 2,392,572; Jan. 8.

Briggs, Walter H.: *See—*

Briggs, Thomas H., and W. H.

Briggs, Walter S., Needham, Mass. Mop yarn and mop made therefrom. 2,409,660; Oct. 22.

Brigham, Cecil E., East Orange, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,411,515; Nov. 26.

Brigham, Harlow R.: *See—*

Sheppard, Samuel E., and Brigham.

Bright, John W., Los Angeles, Calif. Excessive speed exhibitor. 2,409,537; Oct. 15.

Bright, Ray J., Los Angeles, Calif. Centrifugally controlled variable resistance. 2,393,456; Jan. 22.

Bright Star Battery Company, The, assignee: *See—*

Keller, Frederick A.

Bright, Thomas J. R., Coventry, England. Reception or transmission of sound vibrations. 2,395,719; Feb. 26.

Brillhart, Arnold, Great Neck, N. Y., assignor to Arnold Brillhart Ltd., Wouthpiece for musical instruments. 2,397,593; Apr. 2.

Brill, Aron, Brooklyn, N. Y., and W. Kneissler, Roselle, N. J. Safety interlocking clothes hanger. 2,409,538; Oct. 15.

Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ship drive control system. 2,396,231; Mar. 12.

Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Engine accessory drive. 2,403,908; July 16.

Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Pivot pin. 2,406,940; Sept. 3.

Brilliantine, Arche J., Trenton, N. J. Electric aligner-micrometer. 2,395,393; Feb. 26.

Brillo Manufacturing Company, Inc., assignee: *See—*

Field, Crosby.

Field, Crosby, and Toole.

Brinen, Howard F.: *See—*

Skelly, Lawrence E., and Brinen.

Briner, Emil A., East Orange, N. J., assignor to Aero Engineering Corporation. Variable pitch propeller. 2,405,488; Aug. 6.

Brinker, Howard C., St. Paul, and G. B. Gehrenbeck, Bald Eagle Lake, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive and adhesive tape. 2,392,639; Jan. 8.

Brinkley, Dyrton L., Rodessa, La. Motor vehicle periscope. 2,398,354; Apr. 16.

Brinson, Da H., Sr., Annapolis, Md. Fountain pen. 2,396,771; Mar. 19.

Brinson, Thomas F., assignor to Scripto Manufacturing Company, Atlanta, Ga. Fountain pen. 2,410,423; Nov. 5.

Brinton, H. Co., assignee: *See—*

Carhart, Raymond H.

Briones, Henry L., East Irvington, N. Y. Fly swatter. 2,410,957; Nov. 12.

Briscoe, E. P., assignee: *See—*

Cobb, Luther.

Popham, Frederick J. W.

Briscoe, Withe, Elizabeth, Pa. Safety device for liquid sealed gas pressure floats. 2,401,046; May 28.

Brisendine, Guy F., assignor to Carbon Systems, Inc., Kansas City, Mo. Vibrating and jogging machine for sheet stock. 2,396,822; Mar. 19.

Briskin, Theodore S., assignor to Revere Camera Company, Chicago, Ill. Knob. 2,408,683; Aug. 13.

Briskin, Theodore S., J. C. Zivvy, A. E. Schellschmidt, and J. J. Golick, assignors to Excel Auto Radiator Company, Chicago, Ill. Reversible clutch. 2,408,506; Oct. 1.

Bristol Aeroplane Company Limited, assignee: *See—*

Anderson, George O., and Pitt.

Bristol Aeroplane Company Limited, The, assignee: *See—*

Bolas, John T., and Edwards.

Bolas, John T., Edwards, and Latty.

Cutts, James.

Goody, William T.

Lee, George H.

Bristol Company, assignee: *See—*

Pattee, John R.

Bristol Company, The, assignee: *See—*

Blakeslee, Clinton A.

Cowherd, Robert D.

Mabey, Charles A.

Pritchard, Frederick A.

Russell, John L.

Swarr, Jay N.

Bristol, Gaylord T., Niagara Falls, N. Y., assignor to The Linde Air Products Company. Rod feed device. 2,393,855; Apr. 1.

Bristol, Harlan B., Burlingame, Calif. Base coat applicator. 2,400,681; May 21.

Bristol Steel & Iron Works, assignee: *See—*

Ferguson, Robert O.

Bristow, Robert W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,412,248; Dec. 10.

British Celanese Limited, assignee: *See—*

Argyle, Christopher S.

Crawshaw, Harry.

Dreyfus, Henry, Walker, and Rooney.

Fisher, James W.

Hill, Frank B.

Jackson, Thomas, and Frearson.

Jones, John E.

Kinsella, Edward.

Lincoln, James and DREWITT.

Olpin, Henry C., and Gibson.

Olpin, Henry C., Stanley, and Argyle.

British Cotton Industry Research Association, The, assignee: *See—*

Dakin, Geoffrey.

Locke, John.

British Insulated Manufacturers' Research Association, assignee: *See—*

Morpeth, James C.

British Insulated Cables Limited, assignee: *See—*

Handley, William C., Quayle, and McLeod.

Mann, Walter, and Lawrenson.

Northway, Herbert S.

Quayle, Joshua C., and Jones.

British Oxygen Company Limited, The, assignee: *See—*

Walton, George H., Quayle, and Jones.

Watts, Sidney.

British Rubber Producers' Research Association, The, assignee: *See—*

Popham, Frederick J. W.

Britt, Fred R., Rising Fawn, Ga. Vulcanizing machine. 2,397,404; Mar. 26.

Britt, Kenneth W., Norwood, assignor to Scott Paper Company, Chester, Pa. Paper product and making the same. 2,399,981; May 7.

Britt, Kenneth W., Norwood, assignor to Scott Paper Company, Chester, Pa. Paper product and making same. 2,399,982; May 7.

Britt, Vernon E., and E. A. Goetze, Merced, Calif. Dental appliance. 2,400,912; May 28.

Brittain, Eric H.: *See—*

Tuerck, Karl H. W., and Brittain.

Brittain, Richard J., Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Railway journal box. 2,404,429; July 23.

Brittain, Richard J., Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Railway journal box. 2,405,132; Aug. 6.

Brittingham, Gerald E., Ontario, Oreg. Cutout device for telephone transmitters. 2,403,498; July 9.

Brittingham, Verne D., Dearborn, Mich. Finger or hand attachment. 2,409,101; Oct. 8.

Britton, Edgar C.: *See—*

Dreisbach, Robert R., Britton, and Le Fevre.

Britton, Edgar C., and E. Monroe, assignors to The Dow Chemical Company, Midland, Mich. Esters of hydroxy benzoic acids. 2,392,361; Jan. 8.

Britton, Edgar C., and J. N. Hansen, assignors to The Dow Chemical Company, Midland, Mich. N-hydrocarbon substituted pyrrolidine salts of mono-nuclear dinitrophenols. 2,395,315; Feb. 19.

Britton, Edgar C., G. H. Coleman, and K. D. G. Clack, assignors to The Dow Chemical Company, Midland, Mich. Parasiticide compositions. 2,396,983; Mar. 19.

Britton, Edgar C., and J. N. Hansen, assignors to The Dow Chemical Company, Midland, Mich. Sulphonium salts. 2,402,016; June 11.

Britton, Edgar C., and J. C. Vander Weele, Midland, assignors to The Dow Chemical Company, Midland, Mich. Alkylation method. 2,403,785; July 9.

- Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Copolymerization of vinyl compounds. 2,407,949; Sept. 17.
- Britton, Karl B., Bratenahl, Ohio, assignor to Thompson Products, Inc. Multiselector valve mechanism. 2,399,460; Apr. 30.
- Brizay, Roberto W., Ketchikan, Alaska. Aerial mine. 2,412,387; Dec. 10.
- Brixner, Frederick W.: *See*—
Hailes, William D., Brixner, Barker, and Dasburg.
- Brizay, Emile A., Caulfield, Victoria, assignor of one-third to E. M. James, Melbourne, Victoria, Australia. Apparatus for raising sunken vessels. 2,411,649; Nov. 26.
- Broadbent, Wallace, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Aeryl-dicyandamide production. 2,409,832; Oct. 22.
- Broadhurst, Harold M., Liverpool, England, assignor to Imperial Chemical Industries Limited. Casting of rare earth metals. 2,396,636; Mar. 19.
- Broadman, Ralph H., Rochester, N. Y. Replacement guide for toilet flush valves. 2,393,139; Jan. 15.
- Broadston, James A., Hollywood, and R. B. Sprague, Long Beach, Calif., assignors to North American Aviation, Inc. Hydraulic actuator. 2,396,984; Mar. 19.
- Broadway, Leonard F., Ickenham, and C. S. Bull, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, England. Electron discharge device. 2,410,863; Nov. 12.
- Broberg, Fred E., Racine, Wis. Blade grinder. 2,409,416; Oct. 15.
- Broberg, Walter O. W.: *See*—
Thieler, Ernst M., and Broberg.
- Brock, Frank H., and C. E. Smith, assignors to A. E. Staley Manufacturing Company, Decatur, Ind. Making starch conversion syrup. 2,410,264; Oct. 29.
- Brock, Harold L.: *See*—
Tinsler, Vernon R., and Brock.
- Brock, Harold L., Detroit, and G. L. Simpkins, Milan, assignors to Ford Motor Company, Dearborn, Mich. Tractor generator mounting. 2,392,573; Jan. 8.
- Brock, Margaret M., Middle Village, N. Y. Dishwashing device. 2,407,533; Sept. 10.
- Brock, William H.: *See*—
Fisher, Reginald J., and Brock.
- Brock, William H. J., assignor of one-half to Automotive Products Company Limited, Leamington Spa, England. Retaining washer and the like. 2,401,856; June 11.
- Brock, William H. J., assignor of one-half to Automotive Products Company Limited, Leamington Spa, England. Coupling device for pipes or tubes. 2,405,489; Aug. 6.
- Brock, William H. J., assignor of one-half to Automotive Products Company Limited, Leamington Spa, England. Coupling device for pipes or tubes. 2,406,488; Aug. 27.
- Brockamp, Herman A., assignee: *See*—
Snodgrass, James H.
- Brocker, Emil, Van Dyke, assignor to Super Tool Company, Warren Township, Macomb County, Mich. Grinding wheel dressing device. 2,402,945; July 2.
- Brockhurst, James B., Red Bank, N. J. Engine. 2,410,565; Nov. 5.
- Brockhurst, James B., Red Bank, N. J. Engines operating coaxial shafts. 2,410,958; Nov. 12.
- Brockman, Morton S.: *See*—
Lange, Morris, and Brockman.
- Brockman, Morton S., assignor to Grossman Music Co., Cleveland, Ohio. Valve key assembly. 2,394,143; Feb. 6.
- Brockmeier, W. C., assignee, et al.: *See*—
Burk, Robert.
- Brockway Glass Company, Inc., assignee: *See*—
Hess, Finley B., and Robertson.
- Brodale, Carl H., Hoboldt, Iowa. Automatic hitch. 2,409,831; Oct. 22.
- Broderson, Nell O., Rochester, N. Y., assignor to the Government of the United States of America, as represented by the Secretary of War. Autocollimating button. 2,393,883; Jan. 29.
- Brodie, George H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone transmitter. 2,404,772; July 30.
- Brodie, Ralph N., Company, assignee: *See*—
Berck, William F.
- Brodfrow, Paul, and Berck.
- Broding, Robert A.: *See*—
Minton, John P., and Broding.
- Brody, Julius, Boston, assignor of one-third to B. E. Proctor, Melrose, Mass. Glue. 2,394,682; Feb. 12.
- Broecker, Lewis C., Nichols, assignor to Bridgeport Brass Company, Bridgeport, Conn. Insert for valve stems or the like. 2,397,334; Mar. 26.
- Brogdex Company, assignee: *See*—
Cunning, Thomas G.
- Harlow, Orman M.
- Brogdon, Vas Hubert, Forest Hills, Long Island, assignor to Nicaro Nickel Company, New York, N. Y. Recovery of nickel and/or cobalt from ores. 2,400,098; May 14.
- Broggie, Francis J., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drying apparatus. 2,398,880; Apr. 23.
- Brogren, Axel V.: *See*—
Parsons, John T., and Brogren.
- Broido, Daniel, Cockfosters, near Barnet, England. Calcutting machine. 2,408,134; Sept. 24.
- Broido, Daniel, Cockfosters, near Barnet, England. Tabulator controlled by single-line records. 2,410,265; Oct. 29.
- Brolinson, Bengt G., New York, N. Y. Anode for the electrolytic protection of closed containers. 2,405,776; Aug. 13.
- Brolus, Henry W., Detroit, Mich. Brake for rail-borne vehicles. 2,397,237; Mar. 26.
- Bromlow and Edwards Limited, assignee: *See*—
Kinnaid, James A., Cockfosters, near Barnet, England.
- Bromley, Frank T., assignee: *See*—
Tolman, John A.
- Bronander, Wilhelm B., Sr., assignee: *See*—
Bronander, Wilhelm B., Jr.
- Bronander, Wilhelm B., Montclair, N. J. Internal-combustion engine. 2,398,514; Apr. 16.
- Bronander, Wilhelm B., Montclair, N. J. Wrapper folding mechanism. 2,400,682; May 21.
- Bronander, Wilhelm B., assignor of one-half to W. B. Bronander, Sr., Montclair, N. J. Valve mechanism. 2,411,775; Nov. 26.
- Brongersma, Cornelius, Muskegon Heights, assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Motor control. 2,408,368; Oct. 29.
- Brooks, Ernest, Stockport, England. Sharpening safety razor blades. 2,397,644; Apr. 2.
- Brooke, Lloyd A.: *See*—
Burner, Bingham F., and Brooke.
- Brooke, Norman E., Washington, D. C. Grass and weed cutter. 2,400,284; May 14.
- Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Organic cyanine base. 2,393,743; Jan. 29.
- Brooker, Leslie G. S., and H. W. J. Cressman, assignors to Eastman Kodak Company, Rochester, N. Y. Polymethine dyes. 2,398,999; Apr. 23.
- Brooker, Leslie G. S., and H. W. J. Cressman, assignors to Eastman Kodak Company, Rochester, N. Y. Diamino-alkyl phenazinium salts. 2,400,572; May 28.
- Brooker, Leslie G. S., Rochester, N. Y., and H. W. J. Cressman, Glenside, Pa., assignors to Eastman Kodak Company, Rochester, N. Y. Merocyanine dyes. 2,409,189; Oct. 15.
- Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Pyrrole dyes. 2,409,612; Oct. 22.
- Brookes, Charles F., Toronto, Ontario, Canada. Fuel burner for internal-combustion engines. 2,408,605; Oct. 1.
- Brookhart, Theodore C., and D. A. Meeker, assignors to The Hobart Manufacturing Company, Troy, Ohio. Slicing machine. 2,412,962; Dec. 24.
- Brookman, Ernest F., and L. M. Smith, Welwyn Garden City, England, assignors to Imperial Chemical Industries Limited. Thermoplastic compositions. 2,397,942; Apr. 9.
- Brooks, Al R., assignee: *See*—
Brickson, Thomas B.
- Brooks Bank Note Company, assignee: *See*—
Lambert, Russell A.
- Brooks, Herbert W., assignor to Sargent & Company, New Haven, Conn. Food chopper. 2,410,709; Nov. 5.
- Brooks, James D.: *See*—
Kendall, John D., Fry, and Brooks.
- Brooks, John A., Detroit, Mich., assignor to Howard Foundry Company, Chicago, Ill. Combination valve structure. 2,406,941; Sept. 3.
- Brooks, John W.: *See*—
Horton, Aaron W., Brooks, and O'Kelly.
- Brooks, John W., Wenonah, and A. A. O'Kelly, Woodbury, N. J., and R. H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Polymerization process. 2,409,240; Oct. 15.
- Brooks, John W., Wenonah, and A. A. O'Kelly, Woodbury, N. J., and R. H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Polymerization process. 2,409,240; Oct. 15.
- Brooks, Joseph A., Pittsburgh, Pa. Hanging support for fountain syringes. 2,404,430; July 23.
- Brooks, Lester A., Stamford, Vt., and M. Nazzewski, Adams, assignors to Sprague Electric Company, North Adams, Mass. Insulated electrical conductor. 2,406,319; Aug. 27.
- Brooks, Lewis C., Madison, assignor of one-third to I. M. Jones, Mequon, Wis. Consumer-type container and making the same. 2,398,404; Apr. 16.
- Brooks, Lewis C., Milwaukee, assignor of one-third to I. M. Jones, Mequon, Wis. Enclosure for paper board containers. 2,398,405; Apr. 16.
- Brooks, Richard E.: *See*—
Gresham, William F., and Brooks.
- Brooks, Walter: *See*—
Seymour, George W., and Brooks.
- Brooks, Walter C., Wethersfield, Conn. Wrench holder. 2,409,613; Oct. 22.
- Brooksby, Ernest, and F. E. Deans, assignors to The Bentley Engineering Company Limited, Leicester, England. Knitting machine. 2,396,459; Mar. 12.
- Brooksby, Ernest, and F. E. Deans, assignors to The Bentley Engineering Company Limited, Leicester, England. Picker mechanism for circular knitting machines. 2,396,490; Mar. 12.

- Brophy, John J., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Coated article. 2,396,313; Mar. 12.
- Brophy, John J., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in stiffening uppers of shoes. 2,406,738; Sept. 3.
- Brouquida, Inc., of Florida, assignee: See—
- Quinn, Clara E. See—
- Brose, Horace B.: See—
- Brose, Lazetta D. and H. B.
- Brose, Horace B., Chicago, Ill. Force collar. 2,394,144; Feb. 5.
- Brose, Lazetta D. and H. B., Chicago, Ill. Nursing bottle support. 2,399,320; Apr. 30.
- Brose, Leonard C., Burbank, Calif., assignor to Adel Precision Products Corp. Wing nut. 2,397,238; Mar. 26.
- Brosites Machine Corporation, assignee: See—
- Daniel, Frederick K., and Hutchings.
- Brosius, Edgar E., Pittsburgh, Pa. Mounting and operating mechanism for mud guns. 2,393,307; Jan. 22.
- Brosius, Edgar E., Pittsburgh, Pa. Manipulator. 2,397,520; Apr. 2.
- Brosius, Edgar E., Pittsburgh, Pa. Charging machine. 2,405,342; Aug. 6.
- Brossett, Mary A., Chicago, Ill. Airplane toy. 2,409,471; Oct. 15.
- Brower, George H., and C. H. Binkley, Berkeley, Calif., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America and his successors in office. Producing glues and adhesives from keratin protein materials. 2,399,161; Apr. 30.
- Brouillard, Robert E.: See—
- Lacey, Harold T., and Brouillard.
- Brouwer, Benjamin W., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking shoe. 2,407,056; Sept. 3.
- Browall, Bert Henry, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Load-gear equipment for vehicle brakes. 2,394,038; Feb. 5.
- Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Braking system for vehicles with a short wheel base, especially railway bogies. 2,398,283; Apr. 9.
- Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Variable leverage brake. 2,405,939; Aug. 20.
- Browder, Maurice E., U. S. Navy, and A. Werthelmer, Washington, D. C. Sight for dive bombing. 2,401,744; June 11.
- Brown, Aldrich M., assignor to A. J. Holfield, Mobile, Ala. Submarine mine. 2,403,845; July 9.
- Brown, Benjamin F., Vancouver, Wash. Nut picker. 2,394,745; Feb. 12.
- Brown & Bigelow, assignee: See—
- Philippi, Matthew H.
- Brown, Boveri & Cie, Aktiengesellschaft, assignee: See—
- Lang, André.
- Brown, Carl D., Hopedale, Mass., assignor to Draper Corporation. Shuttle check. 2,399,851; May 7.
- Brown, Carl S., Lakewood, assignor to Glascote Products, Inc., Euclid, Ohio. Material treating tank. 2,391,876; Jan. 1.
- Brown, Carl S., Lakewood, assignor to Glascote Products, Inc., Cleveland, Ohio. Manufacturing tanks. 2,401,606; June 4.
- Brown, Cecil L., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic cracking of hydrocarbon oils. 2,412,868; Dec. 17.
- Brown, Charles B., McAllen, Tex. Determining the petroleum hydrocarbon content of earth samples. 2,403,631; July 9.
- Brown, Charles F., Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y. Adhesives. 2,392,574; Jan. 8.
- Brown, Charles G.: See—
- Glasgow, Charles S., and Brown.
- Brown, Charles H., Baldwin, N. Y., assignor to Radio Corporation of America. Ultra short wave system. 2,393,234; Jan. 22.
- Brown, Charles H., Baldwin, N. Y., assignor to Radio Corporation of America. Obstacle detection system. 2,410,424; Nov. 5.
- Brown, Charles L., Floral Park, N. Y. Reading lamp. 2,411,189; Nov. 19.
- Brown, Charles W., Falls Church, Va. Wrench. 2,397,239; Mar. 26.
- Brown, Chester W., assignor to Line Material Company, Milwaukee, Wis. Lock mechanism for electrical expulsion devices. 2,392,308; Jan. 8.
- Brown, Chester W., assignor to Line Material Company, Milwaukee, Wis. Assembling fuse links. 2,412,712; Dec. 17.
- Brown, Cicero C., and F. L. Scott, Jr., assignors to Brown Oil Tools, Inc., Houston, Tex. Washover overshot. 2,398,515; Apr. 16.
- Brown, Clarence E., Clarksburg, W. Va. Coal mining apparatus. 2,408,967; Oct. 8.
- Brown, Cleo E., Harrisonville, Mo. Filter. 2,392,901; Jan. 15.
- Brown, Clifford C., Clinton, Ohio. Steering drive mechanism for driven wheels. 2,408,507; Oct. 1.
- Brown, Dayton T., Manhasset, P. S. Yujuico, Great Neck, and H. T. Moore, Brooklyn, assignors to Brewster Aeronautical Corporation, Long Island City, N. Y. Aircraft armament. 2,396,314; Mar. 12.
- Brown, Edward M., Jr.: See—
- Short, Charles E., and Brown.
- Brown, Edward W., assignor to Cole's Hot Blast Mfr. Co., Chicago, Ill. Heating assembly baffle construction. 2,396,939; Mar. 19.
- Brown, Ernest A., Elvira, Ohio. Tool dressing fixture. 2,411,709; Nov. 26.
- Brown, Eugene T., Washington, Mo. Blind. 2,395,096; Feb. 19.
- Brown Fintube Company, assignee: See—
- Brown, John W., Jr.
- Brown, Forrest L.: See—
- Brown, Luther S., K. R., and F. L.
- Brown, Frederick L., Greenfield, Ohio. Child's life-save jacket and swim belt. 2,393,285; Jan. 22.
- Brown, Frederick W.: See—
- Niswanger, Carroll R., and Brown.
- Brown, Frederick W., Mount Holly, N. J. Knitting machine and knitting. 2,410,710; Nov. 5.
- Brown, George B., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Insulating covering and making the same. 2,409,249; Oct. 15.
- Brown, George B., Bound Brook, and E. M. Jenkins, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Ventilator. 2,401,902; June 11.
- Brown, George H., assignee, et al.: See—
- Valis, Fred E.
- Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. Antenna system. 2,397,645; Apr. 2.
- Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. Antenna system. 2,400,736; May 21.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Radio transmitter-receiver antenna switching system. 2,412,315; Dec. 10.
- Brown, George H., and D. W. Peterson, Princeton, N. J., assignors to Radio Corporation of America. Antenna system. 2,410,597; Nov. 5.
- Brown, George H., Haddonfield, and D. W. Peterson, Collingswood, N. J., assignors to Radio Corporation of America. Antenna. 2,412,249; Dec. 10.
- Brown, George H. F.: See—
- Gillmore, Kenneth B., and Brown.
- Brown, George K., Taylor Ridge, assignor of one-half to C. Etzel, Rock Island, Ill. Amusement device for carnivals. 2,405,108; Aug. 6.
- Brown, Gordon S., Wellesley Hills, Mass., and J. W. Forrester, Belmont, Neb., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc. Remote control system. 2,409,190; Oct. 15.
- Brown, Graham B., Washington, D. C. Parachute. 2,411,868; Dec. 3.
- Brown, Gregory, assignor to Bridgeport Brass Company, Bridgeport, Conn. Humidifying apparatus and control therefor. 2,402,488; June 18.
- Brown, Grover W., Wyckoff, assignor to The Okonite Company, Passaic, N. J. Insulated wire and cable. 2,409,539; Oct. 15.
- Brown, Harold, Denver, Colo. Drafting instrument. 2,410,864; Nov. 12.
- Brown, Harry F., Chicago, Ill. Boring chuck. 2,403,336; July 2.
- Brown, Harry W., assignor to The National Acme Company, Cleveland, Ohio. Metalworking machine. 2,397,122; Mar. 26.
- Brown, Houghton, assignor of fifty-five per cent to D. Taylor, Jr., and forty-five per cent to V. Taylor, Milwaukee, Wis. Plaster compound. 2,410,865; Nov. 12.
- Brown, Henry, assignor to The Udylyte Corporation, Detroit, Mich. Electrodeposition of nickel. 2,402,801; June 25.
- Brown, Henry, and C. R. Hurley, assignors to The Udylyte Corporation, Detroit, Mich. Thermally diffused copper and zinc plate on ferrous articles. 2,392,456; Jan. 8.
- Brown, Howard D.: See—
- Smith, Temple C., and Brown.
- Brown, Hugh E., Cleveland Heights, and S. M. Grant, Bay Village, Ohio, assignors to The W. S. Tyler Company. Applying patches to woven-wire cloth. 2,397,648; Apr. 2.
- Brown, Hugh S., Wauwatosa, Wis. Earth drill. 2,410,959; Nov. 12.
- Brown Instrument Company, The, assignee: See—
- Buck, Edwin C.
- Green, John R., and Vollrath.
- Gruss, George A.
- Harrison, Thomas R.
- Kliever, Waldo H.
- Krogh, Anker E.
- Schmitt, Henry M.
- Shaffer, William L.
- Slide, Frederick W.
- Swanson, Arthur H.
- Trawick, Jack G.
- Vollrath, Joseph P.
- Wild, Rudolf F.
- Wills, Walter P.

- Brown, J. D. Cleveland, Oakland, Calif. Aerial airfield. 2,399,461; Apr. 30.
- Brown, James B., Colorado Springs, Colo., assignor to B. & B. Flotation Company, a common-law trust of Denver, Colo., as trustee. Froth flotation apparatus. 2,401,745; June 11.
- Brown, John R., Jr., Westfield, and I. E. Lightbown, Cranford, N. J., assignors to Standard Oil Development Company. Polymer slurry process. 2,403,966; July 16.
- Brown, John T. L., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact operation. 2,397,123; Mar. 26.
- Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Finned tube. 2,400,737; May 21.
- Brown, Joseph H., New York, N. Y. Making lamp shades and similar articles. 2,404,162; July 16.
- Brown, Joseph M., Philadelphia, Pa. Firearm bolt tool. 2,409,191; Oct. 15.
- Brown, Kenneth R.: See—
Brown, Luther S., K. R., and F. L.
- Brown, Leo C., assignor to Industrial Patents Corporation, Chicago, Ill. Manufacture of salad oil. 2,393,744; Jan. 29.
- Brown, Leo H., Glenville, Conn. Sight. 2,393,308; Jan. 22.
- Brown, Leo H., Glenville Conn. Watch. 2,395,843; Mar. 5.
- Brown, Leo L., Harlingen, Tex. Crutch tip. 2,403,632; July 9.
- Brown, Linwood M., Homestead, Pa. Shock-resistant silicon steel having titanium. 2,409,016; Oct. 8.
- Brown, Luther E., Gregory and O. W. Williams, Mount Enterprise, Tex. Well tester. 2,404,825; July 30.
- Brown, Luther S., K. R., and F. L., assignors of fifty percent to Kyle and Company, Inc., Fresno, Calif. Rotary engine. 2,412,949; Dec. 2.
- Brown, Marshall, Chicago, Ill. Frequency response compensating means. 2,411,190; Nov. 19.
- Brown, Michael A., San Francisco, Calif. Egg cleaning device. 2,402,946; July 2.
- Brown, Morden G.: See—
Gradisar, Albin A., and Brown.
- Brown, Morris, Western Springs, and R. E. Harr, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Coated article. 2,398,881; Apr. 23.
- Brown, Morris, Western Springs, and R. E. Harr, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Enamel coated article. 2,399,094; Apr. 23.
- Brown, Myron J., Forest Hills, and W. R. Taliaferro, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control arrangement for circuit breakers. 2,394,039; Feb. 5.
- Brown Oil Tools, Inc., assignee: See—
Brown, Cicero C., and Scott.
- Brown, Reynolds D., Jr., Blue Bell, assignor to Philco Corporation, Philadelphia, Pa. Means for translating mechanical energy. 2,405,109; Aug. 6.
- Brown, Robert C., Jr., assignee, trustee: See—
States, Marshall N.
- Brown, Robert F.: See—
Potter, Rowland S., and Brown.
- Brown, Robert H., Westview, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for communication systems. 2,394,148; Feb. 5.
- Brown, Robert H., Westview, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for communication systems. 2,404,773; July 30.
- Brown, Robert H., assignor to Sylvania Electric Products Inc., Emporium, Pa. Electronic phase bridge. 2,394,892; Feb. 12.
- Brown, Robert L.: See—
Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Phillips.
- Brown, Robert L., Atlanta, Ga. assignor to Hercules Powder Company, Wilmington, Del. Sulphating aluminum ore. 2,394,660; Feb. 12.
- Brown, Roy J., Sioux Falls, S. Dak. Trailer and tractor safety lock. 2,400,738; May 21.
- Brown, Roy V., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Shock strut. 2,393,493; Jan. 22.
- Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Pivotal joint. 2,393,501; Jan. 22.
- Brown, Rush G., Riverton, Wyo. Reciprocating-saw machine. 2,413,485; Dec. 31.
- Brown and Sharpe Manufacturing Company, assignee: See—
Bennett, Arthur F., and Jacobson.
- Brown, Ural J., Oklahoma City, Okla. Scale remover and scale and corrosion preventer. 2,401,546; June 4.
- Brown, Wallace M.: See—
Holmstrom, John G., and Brown.
- Brown, Wallace M., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Torsion rod spring suspension. 2,413,212; Dec. 24.
- Brown, Walter J.: See—
Rutter, Donald E., Shapiro, and Brown.
- Brown, Walter J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Method and means for measuring surface roughness. 2,405,133; Aug. 6.
- Brown, Walter J., Cleveland Heights, and J. J. Neff, South Euclid, assignors to The Brush Development Company, Cleveland, Ohio. Radio receiver. 2,398,406; Apr. 16.
- Brown, Walter J., Cleveland Heights, and J. E. Shomer, Lakewood, assignors to The Brush Development Company, Cleveland, Ohio. Distance measuring system. 2,405,134; Aug. 6.
- Brown, Walter T., Pittsburgh, Pa. Detection of sulphur in coal. 2,401,410; June 4.
- Brown, Wesley H., Peoria, Ill. Range input and hand control unit for aircraft turret guns. 2,399,200; Apr. 30.
- Brown, Wilbur F., Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Apparatus for conditioning molten glass. 2,394,893; Feb. 12.
- Brown, William C., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge tube. 2,402,963; July 2.
- Brown, William C., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,411,953; Dec. 3.
- Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,411,984; Dec. 3.
- Brown, William T., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Frequency doubler. 2,406,739; Sep. 3.
- Brown, Walter, deceased, Buckinghamshire, by M. W. Browne, Gerrard's Cross, and E. W. Tole, Bower Ashton, Long Ashton, administrators, and H. W. Hobbs, Haslemere, assignors to Electric & Musical Industries, Limited, Hayes, England. Television system. 2,404,030; July 16.
- Browne, Donald B., Harpenden, F. W. Clarke, Tottenham, and R. H. G. Painter, Dunstable, England, assignors to General Motors Corporation, Detroit, Mich. Screening device for spark plugs. 2,409,732; Oct. 22.
- Browne, Jack, Milwaukee, Wis., assignor to Diving Equipment and Supply Company, Inc. Self-contained breathing lung. 2,402,984; July 2.
- Browne, Jack, assignor to Diving Equipment and Supply Company, Inc., Milwaukee, Wis. Shoe for divers. 2,403,477; July 9.
- Browne, Kenneth A., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Hydraulically operated rotating clutch. 2,396,361; Mar. 12.
- Browne, Kenneth A., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Supercharger fuel injection. 2,396,362; Mar. 12.
- Browne, Kenneth A., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Centrifugal compressor entry vanes. 2,395,203; Apr. 9.
- Browne, Margaret W., administrator: See—
Browne, Cecil O., Browne, Tole, and Hobbs.
- Browning, Edwin D., Alameda, Calif. Lay-out machine. 2,403,633; July 9.
- Browning, George, Wilmette, Ill. Cord support for electric flatirons. 2,396,676; Mar. 19.
- Browning, Harry, Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tool. 2,395,450; Feb. 26.
- Browning, J. M. & M. S. Company, assignee: See—
Browning, Val A.
- Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Repeating firearm. 2,401,903; June 11.
- Browning, Val A., Ogden, Utah, assignor to J. M. & M. S. Browning Company. Repeating firearm. 2,409,733; Oct. 22.
- Albert H.: See—
Widmark, William, and Brownlee.
- Brownier, Nelson R., Birmingham, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power transmitting mechanism. 2,398,407; Apr. 16.
- Brubaker, George P., Los Angeles, assignor to Memovox, Incorporated, Beverly Hills, Calif. Sound recording system. 2,411,501; Nov. 26.
- Brubaker, Merlin M.: See—
Arnold, Harold W., Dorough, and Brubaker.
- Brubaker, Merlin M., Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing tetrafluoroethylene. 2,393,967; Feb. 5.
- Brubaker, Merlin M., Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetrafluoroethylene. 2,407,596; Sept. 10.
- Brubaker, Merlin M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing olefinic materials. 2,396,677; Mar. 19.
- Brubaker, Merlin M., Boothwyn, and W. E. Hanford, Easton, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining shaped articles. 2,400,099; May 14.
- Bruber, Norman T., Los Angeles, Calif., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Band-aid applying device. 2,393,506; Jan. 22.
- Bruce, Edmund, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,405,992; Aug. 20.

- Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive radio system, 2,412,202; Dec. 10.
- Bruce, Harold E.; *See*—
Rundie, Walter, and Bruce.
- Bruckner, Robert E., and J. S. Harker, assignors to Kimble Glass Company, Vineland, N. J. Indexing mechanism, 2,395,503; Mar. 5.
- Bruderlin, Henry H., West Los Angeles, Calif. Synchronizing device, 2,394,361; Feb. 5.
- Bruerger, Ernest, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Winding of spiral fins, 2,398,172; Apr. 9.
- Bruerger, Zeno A., Boise, Idaho. Pants guard and reflector, 2,396,080; Mar. 5.
- Bruen, George C., assignee; *See*—
Nightingale, William J.
- Brueske, George A., Wayzata, Minn., assignor to The Bell & Howell Company, Chicago, Ill. Photographic camera, 2,408,649; Oct. 1.
- Bruetste, Carl O.; *See*—
Stuhlman, Frank A., and Bruetste.
- Bruetste, Carl O., assignor to Synco Machine Company, Rahway, N. J. Centrifugal clutch, 2,396,637; Mar. 19.
- Bruetste, Carl O., Rahway, N. J., assignor to Borg-Warner Corporation, Chicago, Ill. Adjustable quill, 2,402,017; June 11.
- Bruetste, Carl O., Rahway, assignor to Synco Machine Company, Perth Amboy, N. J. Safety device for stranders, 2,406,530; Aug. 27.
- Bruetste, Carl O., Rahway, assignor to Synco Machine Company, Perth Amboy, N. J. Planetary drive for wire spooling devices, 2,412,440; Dec. 10.
- Brühlmann, Gottfried; *See*—
Thommen, Hans, and Brühlmann.
- Brubb, William J., and E. W. Simon, Omaha, Nebr. Stove pipe elbow, 2,392,220; Jan. 1.
- Bruins, Paul F.; *See*—
Lovas, Joseph J., and Bruins.
- Brucker, Hobart W., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Slitting and scoring apparatus, 2,393,586; Jan. 29.
- Brucker, Hobart W., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Slitting and scoring machine, 2,396,315; Mar. 12.
- Brucker, Hobart W., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Siphon mechanism for heated rolls, 2,408,606; Oct. 1.
- Brumbaugh, Andrew K.; *See*—
Bollinger, John C., Brumbaugh, and Curtis.
- Brunner, Olin, Oak Park, Ill. Annular fluid seal, 2,408,909; Oct. 8.
- Brunamonti, Valerio E., Lakemore, Ohio. Barbecue machine, 2,399,163; Apr. 30.
- Brundage, Ellis W., Sheridan, Mont. Hoist, 2,407,811; Sept. 17.
- Brundage, John H., Red Bank, N. J. Carrier telegraph terminal circuit, 2,395,451; Feb. 26.
- Bruneau, Joseph W. H.; *See*—
Johnson, William, and Bruneau.
- Bruner, Frank H.; *See*—
Hatch, George B., Pevere, Clarke, and Bruner.
- Bruner-Ritter, Inc., assignee; *See*—
Mauch, Willy.
- Bruner, Walter M.; *See*—
Gresham, William F., and Bruner.
- Loder, Donald J., and Bruner.
- Brunette, Louis P., Farmington, Conn. Fireplace wood elevator, 2,410,623; Nov. 5.
- Bruning, Charles Company, Inc., assignee; *See*—
Streich, Paul B.
Sutherland, Richard V.
- Brunjes, Austin S., Plandome, N. Y., and M. J. P. Bogart, Teaneck, N. J., assignors to The Luminus Company, New York, N. Y. Halogenation of aromatic hydrocarbons, 2,395,777; Feb. 26.
- Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Blueprint machine, 2,398,616; Apr. 16.
- Brunkhurst, Charles, Middletown, N. Y. Preservation of milk products, 2,412,203; Dec. 10.
- Brunner, Anton J., Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Timing apparatus, 2,394,661; Feb. 12.
- Brunner, Anton J., Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus, 2,395,316; Feb. 19.
- Brunner, Anton J., Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus, 2,412,671; Dec. 17.
- Brunner, Carl F.; *See*—
Frischmann, George J., and Brunner.
- Brunner, Eugene E., assignor to Read Machinery Co. Inc., York, Pa. Conveyor, Re. 22,789; Sept. 10.
- Brunner, Eugene E., assignor to Read Machinery Co. Inc., York, Pa. Typing belt, 2,404,271; July 16.
- Brunner, Leo G., Milwaukee, Wis. Exercising and game apparatus, 2,408,160; Sept. 24.
- Brunner Manufacturing Company, assignee; *See*—
Hirsch, Sylvan R.
- Brunner, Ray, Economy Township, Beaver County, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Apparatus for taking samples from traveling strip, 2,393,745; Jan. 29.
- Brunner, Sam W., New York, N. Y. Fisherman's hat, 2,393,286; Jan. 22.
- Bruns, August, assignee; *See*—
Hoffstad, Ole J.
- Bruns, William H., Lincolndale, assignor to Otis Elevator Company, New York, N. Y. Load weighing device, 2,411,023; Nov. 12.
- Brunstrum, Lawrence C., Chicago, Ill., and H. J. Liehe, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Grease manufacture, 2,398,075; Apr. 9.
- Brunstrum, Lawrence C., Chicago, Ill., and H. J. Liehe, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lithium soap greases, 2,398,173; Apr. 9.
- Brunswick-Balke-Collender Company, assignee; *See*—
Luth, Harold J., and Gregory.
Luth, Harold J., Scheidemetel, and Krupnick.
Luth, Harold J., and Krupnick.
- Brunswick-Balke-Collender Company, The, assignee; *See*—
Luth, Harold J., and Krupnick.
- Brunton, Bernard, and R. G. Booth, London, England. Construction of panels for use in building, 2,394,146; Feb. 5.
- Brunton, Bernard, and R. G. Booth, London, England. Panel or unit for buildings and buildings constructed therefrom, 2,394,147; Feb. 5.
- Brush, Abbott F., Greenwich, Conn. Tapped fastener, 2,393,606; Jan. 29.
- Brush Heryllum Company, The, assignee; *See*—
Kjellgren, Bengt R. F.
- Brush Development Company, The, assignee; *See*—
Brown, Walter J., and Neff.
Brown, Walter J., and Shomer.
Christian, Dean H.
Coss, Bert A.
Foldy, Leslie L.
Kornel, Otto.
Massa, Frank.
Rutter, Donald B., Shapiro and Brown.
Shapiro, Harry B.
Swinehart, Frank.
Williams, Alfred L. W., and Dank.
- Brush, Don D., Detroit, Mich. Track roller carriage, 2,412,593; Dec. 17.
- Bruzon, Herman A.; *See*—
MacMullen, Clinton W., and Bruzon.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Norpolycyclopentadienes, 2,393,607; Jan. 29.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Unsaturated ethers of hydroxydihydronordicyclopentadiene, 2,393,608; Jan. 29.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Dihydronordicyclopentadienyl monoethers of polyhydric alcohols, 2,393,609; Jan. 29.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Polydihydronordicyclopentadienyl ethers, 2,393,610; Jan. 29.
- Bruzon, Herman A., assignor to The Resinol Products & Chemical Company, Philadelphia, Pa. Dihydronordicyclopentadienyl ethers of nitro alcohol, 2,393,611; Jan. 29.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Ethers of hydroxydihydronorpolycyclopentadienes, 2,394,582; Feb. 12.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Thioacno aliphatic acid esters of endoethylene-hydroxycyclopentanoinane, 2,394,583; Feb. 12.
- Bruzon, Herman A., assignor, by mesne assignments, to The Resinous Products & Chemical Company, Philadelphia, Pa. Thioacno aliphatic carboxylic acid esters of hydroxydihydronordicyclopentadiene, 2,394,584; Feb. 12.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyanoethylated products and preparation thereof, 2,394,962; Feb. 12.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Esters of hydroxydihydronorpolycyclopentadienes, 2,395,452; Feb. 26.
- Bruzon, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. β -thioacno ketones and their preparation, 2,395,453; Feb. 26.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Thioacno aliphatic esters of hydroxydihydronordicyclopentadiene, 2,395,454; Feb. 26.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Dihydronorpolycyclopentadienyl isothiocyanates, 2,395,455; Feb. 26.
- Bruzon, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Dihydronordicyclopentadienyl ethers of hydroxycarboxylic acid esters, 2,400,873; May 23.

- Brunson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyanoalkyl ethers of polyhydric alcohols. 2,401,607; June 4.
- Brunson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Hydroxy-di-(di-hydronordicyclopentadiene). 2,404,787; July 30.
- Brunson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Endoethylene halocyclopentanoidanes. 2,405,188; Aug. 6.
- Brunson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Organic polybasic acid polyesters of hydroxydihydronorpolycyclopentadienes. 2,410,435; Nov. 5.
- Brunson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Ethers of endoethylene-substituted cyclopentanols. 2,411,516; Nov. 26.
- Brunson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Addition rearrangement products of thiocyanic acid and cyclopentadiene-olefinic adducts. 2,411,869; Dec. 3.
- Brunson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Thiocyanate alkyl ethers of endoethylene cyclopentanols. 2,412,799; Dec. 17.
- Brunson, Herman A., and T. W. Riener, assignors to Röhm & Haas Company, Philadelphia, Pa. Rearranged endoethylene-hexahydrofluorene isothiocyanate. 2,393,746; Jan. 29.
- Brunson, Herman A., and T. W. Riener, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Azomethines. 2,394,530; Feb. 12.
- Brunson, Herman A., and G. B. Butler, assignors to Röhm & Haas Company, Philadelphia, Pa. Explosive synthetic resins. 2,400,806; May 21.
- Brunson, Herman A., and G. B. Butler, assignors to Röhm & Haas Company, Philadelphia, Pa. Readily combustible plastic material. 2,404,688; July 23.
- Brunson, Herman A., and G. B. Butler, assignors to Röhm & Haas Company, Philadelphia, Pa. Plastics. 2,407,131; Sept. 3.
- Brustovics, Morris, Brooklyn, N. Y., assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,412,079; Dec. 3.
- Bruun, Otto J., Stoke Poges, England. Producing collapsible tin coated metal tube containers. 2,411,024; Nov. 12.
- Bryan, Raymond G. Kansas City, Kans. Safety razor blade sharpener. 2,392,640; Jan. 8.
- Bryans, Frank: See—
Dreyfus, Henry, Bryans, and Drewitt.
- Bryant, C., & Son Limited, assignee: See—
Hawes, Albert H., assignor.
- Bryant Chucking Grind Company, assignee: See—
Arms, Merton H., and Barnard.
Fenn, Raymond T.
Moore, Willis F.
- Bryant Electric Company, The, assignee: See—
Beal, James F.
Hodgkins, Charles H.
Smith, Roy M.
- Bryant, Etta M., Montclair, N. J. Lady's undergarment. 2,401,457; June 4.
- Bryant, Eugene E., Bedford, Ohio, assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Metallic coating. 2,403,706; July 9.
- Bryant, Forrest Le G., New York, N. Y., assignor to Jensen Machinery Company, Inc., Bloomfield, N. J. Metering device. 2,411,613; Nov. 26.
- Bryant, Frank D., Syracuse, N. Y., assignor to General Electric Company. Electric switch. 2,399,462; Apr. 30.
- Bryant, Frederick W., Hanover, N. J. Holder and applicator for cosmetic liquids and the like. 2,399,463; Apr. 30.
- Bryant, Gwendoline A., H. W. Wycombe, England. Lamp shade or the like. 2,397,468; Apr. 2.
- Bryant Heater Company, The, assignee: See—
Higley, Frank R., and McCoy.
Terhune, Ralph D.
- Bryant, Higbee W., Stockton, Ill. assignor to Kraft Cheese Company. Making material feeders in the manufacture of process cheese. 2,392,362; Jan. 8.
- Bryant, Nelson H.: See—
Gustin, Daniel S., and Bryant.
- Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Optical recorder. 2,392,224; Jan. 1.
- Bryers, Harvey A., Dayton, Ohio. Antenna mounting. 2,403,479; July 9.
- Bryn Mawr Laboratory, assignee: See—
Gamma, John A.
- Buchal, Werner: See—
Turnbull, William J., and Buchal.
- Buchan, Rudolph C., Houston, Tex., assignor to Standard Oil Development Company. Apparatus for handling oil field emulsions. 2,398,204; Apr. 9.
- Buchanan, Ben F.: See—
Lloyd, Robert L., and Buchanan.
- Buchanan, Ben F., Leona, N. J., and R. L. Lloyd, Laurent, N. Y., assignors to American Maize-Products Company. Gelatinization of starch. 2,406,585; Aug. 27.
- Buchanan, Charles H., Kingston-on-Thames, assignor to Jicwood Limited, Weybridge, England. Producing "sanitized" material. 2,407,867; Sept. 17.
- Buchanan, D., Burbank, Calif. Expandible piston. 2,393,747; Jan. 29.
- Buchanan, J. D., Burbank, Calif. Hydraulic motor or pump. 2,397,594; Apr. 2.
- Buchanan, J. D., Burbank, Calif. Variable restrictor. 2,402,729; June 25.
- Buchanan, J. D., Burbank, Calif. Valve. 2,410,404; Nov. 5.
- Buchanan, Stephen N., Westmoreland Hills, Md. Protector device. 2,401,223; May 28.
- Buchanan, Stephen N., Washington, D. C., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connector. 2,406,346; Aug. 27.
- Buchanan, Thomas B., Yonkers, N. Y., and C. B. Pape, Montague, Mich. assignors to Reynolds Metals Corporation, Richmond, Va. Apparatus for packaging. 2,402,869; June 25.
- Buchele, William, Toledo, Ohio. Lens. 2,413,286; Dec. 31.
- Bucher, Francis X.: See—
Florjancic, Peter, and Boral.
Mumma, Robert E., and Bucher.
- Bucher, Rudolf, assignor to the Swiss firm of G. Laubscher & Co., Basel, Switzerland. Instrument for blood transfusion. 2,409,734; Oct. 22.
- Buchet, Conrad R., Pasadena, Calif., assignor of three-fourths to B. F. B. Engineers, Incorporated, and one-fourth to M. H. Lees, Jr. Hydraulic chuck and cutter operating device. 2,395,720; Feb. 26.
- Buchet, Conrad R., Pasadena, Calif., assignor of one-half to M. H. Lees, Jr. Apparatus for making rivets. 2,395,721; Feb. 26.
- Buchet, Conrad R., Pasadena, Calif., assignor of one-half to M. H. Lees, Jr. Method of and apparatus for making rivets. 2,395,722; Feb. 26.
- Buchwald, Charles E., assignor to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,398,205; Apr. 9.
- Buck, James C.: See—
Clark, Albert R., Buck, and De Vries.
- Buck, Johannes S., East Greenbush, N. Y., and L. Reiner, Bloomfield, N. J., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Esters of secondary phenolic amines. 2,400,038; May 7.
- Buck, Richard S., Gastonbury, and A. Kalitansky, Eagle View, assignors to United Aircraft Corporation, East Hartford, Conn. Shaft cooling. 2,395,097; Feb. 19.
- Buck, Robert H., Oakland, Calif. Welder's electrode holder. 2,400,285; May 14.
- Buckbee, John A., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Automatic gain control. 2,401,548; June 4.
- Buckbee, John A., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Keystone correction apparatus. 2,406,740; Sept. 3.
- Buckbee, John C., Los Angeles, Calif. Rotary machine. 2,400,286; May 14.
- Buckel, Charles, Mountain Home, Idaho. Trailer brake. 2,394,840; Feb. 12.
- Buckendale, Lawrence R.: See—
Alden, Herbert W., Buckendale, and Super.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Drive axle. 2,392,832; Jan. 15.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle driving mechanism. 2,406,797; Sept. 3.
- Buckendale, Lawrence R., Detroit, Mich., and B. W. Keese, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich. Power transmitting mechanism. 2,399,201; Apr. 30.
- Buckeye Laboratories Corporation, assignee: See—
Dunmire, Russell F.
Dunmire, Russell F., and Cramford.
- Buckeye Steel Castings Company, The, assignee: See—
Sternbach, Harry W.
Wolfe, Harry H.
- Buckeye Traction Ditcher Company, The, assignee: See—
George, Charles L., and Bennett.
- Buckins, Albert O., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box lid. 2,412,250; Dec. 10.
- Bucklen, Herbert E., Jr., assignee: See—
Hedin, Uno C.
- Buckler, George H., assignee: See—
Adams, Robert E.
- Buckley, Arthur H., Chicago, Ill. Control system. 2,410,198; Oct. 29.
- Buckley, Charles W.: See—
Tear, James D., and Buckley.
- Buckley, Charles W., Mount Vernon, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Range setting mechanism. 2,411,080; Nov. 12.
- Buckley, Donald J., Baton Rouge, La., assignor to Industrial Tape Corporation, New Brunswick Township, N. J. Adhesive tape. 2,397,774; Apr. 2.
- Buckley, Gerard D., Buckley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of nitro compounds. 2,408,607; Oct. 1.

- Buckley, Joseph B.: *See*—
Hohwart, George and E. F. and Buckley.
Buckley Music System, Inc., assignee: *See*—
Henry, Earle G.
Buckley, Walter D., Berkeley, and E. P. Bly, assignors to American Bitumuls Company, San Francisco, Calif. Bituminous emulsion and preparing same. 2,392,467; Jan. 8.
- Bucknam, James H., Cranford, N. J., assignor to Union Carbide and Carbon Corporation. Gas generating apparatus and control system therefor. 2,402,522; June 18.
- Bucknam, James H., Cranford, E. Meinecke, and L. W. Young, Scotch Plains, N. J., assignors to The Linde Air Products Company. Mechanism for controlling the flow of fluid or gas. 2,392,806; Jan. 15.
- Bucknam, Worthy C., Mechanic Falls, Maine, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Valve. 2,405,010; July 30.
- Buckner, Ephraim E., Lansing, Mich. Combination window sash, stops, and weather strip. 2,394,979; Feb. 19.
- Bucks, David H., Milwaukee, Wis. Fishhook. 2,402,730; June 25.
- Buckthal, Elmer P.: *See*—
Sandretto, Peter C., and Buckthal.
- Buckwalter, Tracy V., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller-bearing axle. 2,397,647; Apr. 2.
- Buckwalter, Tracy V., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Car truck. 2,403,045; July 2.
- Buckwalter, Tracy V., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Car truck. 2,405,398; Aug. 6.
- Buckwalter, Tracy V., Massillon, and W. L. Schriber, assignors to The Timken Roller Bearing Company, Canton, Ohio. Rolling cylindrical work stock. 2,396,081; Mar. 5.
- Bucky, Philip B., Larchmont, N. Y. Mining. 2,396,678; Mar. 19.
- Bucyrus-Erie Company, assignee: *See*—
Davidson, Trevor O.
Davidson, Trevor O., and Schauer.
Mork, George W.
Reuter, Gottfried.
- Buda Company, The, assignee: *See*—
Gerasimoff, Constantine N.
Richards, Dwight.
Richards, Dwight, and Comfoot.
- Budd Company, The, assignee: *See*—
Callender, Edwin M.
Combes, Joseph H.
Dean, Albert G.
Eksbergian, Carolus L.
Gaenssle, Paul W.
Hagg, Carl J.
Hight, Franklin R., Greenshields, and Mueller.
Labaree, Benjamin.
Ledwinka, Joseph.
Linnet, Theodore G.
Ridgway Edmund T.
Somes, Howard E.
Stever, William.
Strickland, Harold A., Jr.
Watter, Michael.
- Budd, Edward G. Manufacturing Company, assignee: *See*—
Callender, Edwin M.
Dean, Albert G.
Diamond, Arthur R., and Stever.
Elwert, George.
Fetcher, John R., and Phair.
Hochreiter, Edward.
Ledwinka, Joseph.
Ledwinka, Joseph, and Kelly.
Ledwinka, Joseph, and Trautvetter.
Lindsay, Alexander R.
Montgomery, Robert, and Schane.
Fancoe, George W.
Somes, Howard E.
Stever, William.
Strickland, Harold A., Jr.
Tarbox, John P.
Trautvetter, George.
Ulrich, Theodore.
Watter, Michael.
Whitesell, John C., Jr.
- Budd, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloys. 2,392,641; Jan. 8.
- Budd Induction Heating, Inc., assignee: *See*—
Somes, Howard E.
Strickland, Harold A., Jr.
- Budd Wheel Company, assignee: *See*—
Combes, Joseph H.
Farr, Warren H.
Eksbergian, Carolus L.
Eksbergian, Carolus L., and Combes.
Eksbergian, Carolus L., Combes, and Gaenssle.
Eksbergian, Carolus L., Gaenssle, and Kaiser.
Farr, Warren H., and Tarbox.
Strickland, Harold A., Jr.
- Budruss, Edward, and S. C. Carney, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovery of hydrocarbons. 2,412,765; Dec. 17.
- Budenhorn, Horace T., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direction finding system. 2,407,649; Sept. 17.
- Budge, Edward D., Oakland, and C. P. Hunt and D. E. Lent, assignors to Zellerbach Paper Company, San Francisco, Calif. Box liner. 2,392,575; Jan. 8.
- Budig, William: *See*—
Sommer, Kurt, Maca, Edwards, and Budig.
- Budiane, Stanley J., assignor to Stewart-Warner Corporation, Chicago, Ill. Heating apparatus. 2,404,617; July 23.
- Buechek, John, Kokomo, Ind. Dough twisting machine. 2,405,684; Aug. 13.
- Buechler, John H., Chicago, Ill. Nut tightener. 2,411,245; Nov. 19.
- Buechner, Guenther, Scotia, N. Y., assignor to General Electric Company. Mylex products. 2,400,337; May 14.
- Buechner, Guenther, Scotia, N. Y., assignor to General Electric Company. Vitreous compositions. 2,405,011; July 30.
- Buecken, Hans E.: *See*—
Magerkurth, Wilhelm A., and Buecken.
- Buehner, Christ, assignor to Phenix Manufacturing Company, Inc., Milwaukee, Wis. Overhead door locking mechanism. 2,393,287; Jan. 22.
- Buehner, Christ, assignor to Phenix Manufacturing Company, Inc., Milwaukee, Wis. Overhead door and affiliated mechanism. 2,401,857; June 11.
- Buell, Halsey W., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,398,402; Apr. 16.
- Buell, Halsey W., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and manufacturing the same. 2,412,599; Dec. 17.
- Buena Vista Iron Company, assignee: *See*—
Worthen, Eugene P., and Barbour.
- Buensod-Stacey, assignee: *See*—
Lea, Edward S.
- Buensod-Stacey, Incorporated, assignee: *See*—
Waterfill, Robert W.
- Buffalo Brake Beam Company, The, assignee: *See*—
Busch, Charles R.
- Buffalo Electro-Chemical Company, Inc., assignee: *See*—
Dawsey, Lynn H., and Rudolph.
Kaufmann, Hans O., Shanley, and McEwen.
Ryan, Joseph R.
- Buffenbarger, James F., assignor to The Gardner-Richardson Company, Middletown, Ohio. Bird figure and the like. 2,395,247; Feb. 19.
- Buffington, Malcolm R., Millburn, assignor to Lea Fabrics, Inc., Newark, N. J. Making ring type packings. 2,400,533; May 21.
- Buffington, Malcolm R., Millburn, and E. G. Jegge, Montclair, N. J. Resilient nonmetallic bearing. 2,397,124; Mar. 26.
- Buffington, Ralph M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,400,138; May 14.
- Bufkin, Eugene R., deceased, Durham, N. C.; J. M. Bufkin, executrix. Foot fin. 2,395,844; Mar. 5.
- Bufkin, Jessie M., executrix: *See*—
Bufkin, Eugene R.
- Bugg, Kenly C., Fort Wayne, Ind. Collet chuck. 2,393,140; Jan. 15.
- Bugg, Kenly C., Fort Wayne, Ind. Flanging device. 2,394,841; Feb. 12.
- Bugg, Kenly C., Fort Wayne, Ind. Riveting or fastening mechanism. 2,396,082; Mar. 5.
- Bugg, Kenly C., and H. L. Hart, Fort Wayne, Ind.; said Hart assignor to said Bugg. Temporary fastener. 2,393,587; Jan. 29.
- Bugg, Kenly C., and H. L. Hart, Fort Wayne, Ind.; said Hart assignor to said Bugg. Tube beading and expanding tool and method. 2,405,399; Aug. 6.
- Bugley, James R., assignor of one-half to R. Hunter, Boston, Mass. Sandblast nozzle. 2,413,167; Dec. 24.
- Buhler Brothers, assignee: *See*—
Forster, Albert.
- Buhrendorf, Frederick G., Hastings-on-Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gear drive mechanism. 2,397,126; Mar. 26.
- Buhrendorf, Frederick G., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speech privacy communication. 2,406,347; Aug. 27.
- Buhrendorf, Frederick G., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secret telephony. 2,406,348; Aug. 27.
- Buhrendorf, Frederick G., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secret signaling. 2,406,349; Aug. 27.
- Buhrer, William G., Jerseyville, Ill. Rail joint tread bridge. 2,410,199; Oct. 29.
- Buhrmaster, Frederick R., Webster Groves, assignor to Gaylord Container Corporation, St. Louis, Mo. Heavy duty paper shipping carton having interlocking end closure. 2,410,148; Oct. 29.

- Buice, David E., Sr., Ellenwood, Ga. Heddle bar lock. 2,409,735; Oct. 22.
- Buick, Wynton R.: *See—*
- Udale, Stanley, and Buick.
- Builders Iron Foundry, assignee: *See—*
- Thoresen, John C.
- Thoresen, John C., and Hartley.
- Building Products Limited, assignee: *See—*
- Johnson, William, and Bruneau.
- Bulvid, Michel D., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Foldable rotor. 2,405,777; Aug. 13.
- Bukowski, Gunther: *See—*
- Neumann, Heinrich, Bukowski, Ramshorn, Spiegel, and Tonn.
- Bukowsky, Harry E., Port Townsend, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic log-barking machine. 2,395,845; Mar. 5.
- Bulatkin, Ilya F.: *See—*
- Warth, Albin H., and Bulatkin.
- Bulbalian, Arthur H., Rochester, Minn. Aviation mask. 2,398,076; Apr. 9.
- Bulbalian, Arthur H., Rochester, Minn. Mask construction. 2,403,046; July 2.
- Bulfer, August J., Berwyn, Ill., assignor to Corn Products Refining Company, New York, N. Y. Sterilization of starch. 2,401,813; June 11.
- Bull, Anders, Forest Hills, N. Y. Tunnel lining. 2,400,071; May 14.
- Bull, Cabot S.: *See—*
- Broadway, Leonard F., and Bull.
- Bull, Cabot S., Hillingdon, England, assignor to Electric and Musical Industries Limited. Electron discharge device. 2,409,417; Oct. 15.
- Bull, Eric W., Hounslow, England. Audible indication for radar. 2,395,368; Feb. 19.
- Bull, Kenneth D., Middlesex, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Synchronizing mechanism. 2,397,943; Apr. 8.
- Bullard, E. D., Company, assignee: *See—*
- Ruggiero, Alfred J.
- Bullard, Edwin F.: *See—*
- Anderson, John, Bullard, and McAllister.
- Mossberg, Harold F., and Bullard.
- Bullard, Edwin F., Oakland, J. Anderson, Berkeley, and S. H. McAllister, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Alkylation of aromatic hydrocarbons. 2,408,874; Aug. 13.
- Buller, Reginald F., West Los Angeles, assignor to Shell Development Company, San Francisco, Calif. Plastic solvent composition. 2,401,904; June 11.
- Bullinger, Conrad, Downers Grove, assignor to A. Stein and Company, Chicago, Ill. Girdle or foundation garment. 2,393,612; Jan. 29.
- Bullinger, Frederic H., Bronxville, N. Y., assignor to Ward Leonard Electric Company. Resistive device. 2,402,122; June 18.
- Bullock, Ellis W., Birmingham, Ala., assignor to Fly Ash Arrestor Corporation. Grate. 2,410,266; Oct. 29.
- Bullock, Harry L.: *See—*
- Smith, Carlos B.
- Bullock, James, Richmond, Calif. Drill. 2,405,110; Aug. 6.
- Bullock, Nelson, Santa Ana, Calif. Tumbler washer. 2,412,950; Dec. 24.
- Bullock, Reginald: *See—*
- Wheat, William N., and Bullock.
- Bulova Watch Company, assignee: *See—*
- Burgbacher, John C.
- Kupchick, Edward.
- Buls, Vernon W.: *See—*
- Hearne, George W., Adams, and Buls.
- Bumstead, Ralph W., Westfield, N. J., assignor to Radio Corporation of America. Radio relay system. 2,401,333; June 4.
- Bumstead, Ralph W., Westfield, N. J., assignor to Radio Corporation of America. Telegraphy. 2,404,565; July 23.
- Bunch, Glave S., Centre Township, St. Joseph County, Ind. Thread diameter gauge. 2,399,624; May 7.
- Bundy Tubing Company, assignee: *See—*
- Hobrock, Raymond H.
- Bunker, Arthur C., Schenectady, assignor to American Locomotive Company, New York, N. Y. Spring hinge for doors. 2,395,456; Feb. 26.
- Bunn, Charles H., Jr., Westfield, and L. W. Schrader, Elizabeth, N. J., assignors to Standard Oil Development Company. Corrosion preventing electrode. 2,404,031; July 16.
- Bunn, Edward S.: *See—*
- Wilkins, Richard A., and Bunn.
- Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloys. 2,392,642; Jan. 8.
- Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloys. 2,397,723; Apr. 2.
- Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloys. 2,401,135; May 28.
- Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloys. 2,401,136; May 28.
- Bunn, Edward S., Rome, N. Y., assignor to Revere Copper and Brass Incorporated. Zinc base alloys. 2,403,337; July 2.
- Bunn, Edward S., Baltimore, Md., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloys. 2,392,643; Jan. 8.
- Bunn, George P., Bartlesville, Okla., assignor to Phillips Petroleum Company. High temperature valve. 2,410,960; Nov. 12.
- Buraway, Abraham, Levenshulme, Manchester, assignor to The Calico Printers' Association Limited, Manchester 1, England. The nuclear methylation of phenols. 2,401,608; June 4.
- Burbank, Benjamin B.: *See—*
- Toland, William C., and Burbank.
- Burbank, Clifford D., and T. Harry, Jr., Jackson, assignors, by mesne assignments, to W. R. Richards, Grand Rapids, Mich. Pressure unit. 2,396,823; Mar. 19.
- Burch, Charles J., Plainfield, N. J., assignor to The Linde Air Products Company. Flux-forming fuel and thermally working minerals therewith. 2,402,947; July 2.
- Burch, Charles J., Plainfield, N. J., assignor to The Linde Air Products Company. Spinning hollow articles. 2,406,059; Aug. 20.
- Burch, Lyndon W., Bronxville, N. Y., assignor to The Wilcoator Company, Newark, N. J. Snap-acting apparatus. 2,402,312; June 18.
- Burch, Ray C., assignee, et al.: *See—*
- Francis, Wilbur C.
- Burch, Willie D., assignor of one-half to F. Parrott, Oklahoma City, Okla. Acetylene generator. 2,409,833; Oct. 22.
- Burchell, Ford, Port Chester, and B. Ivins, assignors to Burchell-Holloway Corporation, New York, N. Y. Method and apparatus for producing colored designs. 2,393,968; Feb. 6.
- Burchell, Ford, and B. Ivins, assignors to Burchell-Holloway Corporation, New York, N. Y. Display device. 2,393,969; Feb. 6.
- Burchell, Ford, and B. Ivins, assignors to Burchell-Holloway Corporation, New York, N. Y. Display device. 2,393,970; Feb. 6.
- Burchell-Holloway Corporation, assignee: *See—*
- Burchell, Ford, and Ivins.
- Burchett, Paul J., Glendale, Calif. Valve mechanism. 2,406,662; Aug. 27.
- Burcky, Charles W., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Code translator. 2,396,638; Mar. 19.
- Burcky, Charles W., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Guiding means. 2,400,102; Oct. 8.
- Burcky, Charles W., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Dial selective calling system. 2,411,191; Nov. 19.
- Burd Piston Ring Company, assignee: *See—*
- Haling, Otto W.
- Burdett, Philip W., assignor to Remington Arms Company, Inc., Aldershot, Conn. Making incendiary bullets. 2,402,018; June 11.
- Burdick, Charles L., Brighton, England. Apparatus for improving the effective use of eyeght and preventing strain on the eyes. 2,406,190; Aug. 20.
- Burdick, Edwin C., assignor to The Brown Instrument Company, Philadelphia, Pa. Control mechanism. 2,410,335; Oct. 29.
- Bureau, Achille G., Forest Hills, N. Y. Table. 2,398,693; Apr. 16.
- Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Friction shock absorbing mechanism. 2,401,905; June 11.
- Bureau, Arthur L., U. S. Navy. Belt loader. 2,397,944; Apr. 2.
- Burgbacher, John C., Bayside, Long Island, assignor to Bulova Watch Company, New York, N. Y. Watch setting and starting device. 2,394,746; Feb. 12.
- Burge, James S., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Apparatus for supplying wire from wire supply spools to bending presses. 2,400,739; May 21.
- Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,410,866; Nov. 12.
- Burgeni, Alfred, East Orange, and R. L. Keown, Belleville, assignors to The Clark Thread Company, Newark, N. J. Wetting thread. 2,395,516; Apr. 16.
- Burger, Albert, Millvale, Pa. Positive oil feed pump by minute drop-like volumes. 2,413,136; Dec. 24.
- Burger, Alfred, Charlottesville, Va., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Composition of matter. 2,400,013; May 28.
- Burger, Edward J., assignee: *See—*
- Benjamin, Theodore R.
- Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Wheel. 2,403,634; July 9.
- Burger, Joseph, New York, N. Y. Container or shipping case having a removable cover to be locked and sealed. 2,408,731; Oct. 8.
- Burgert, Harold E., Brighton, and J. V. Butterfield, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Mounting lenses. 2,394,894; Feb. 12.

- Burgess Battery Company, assignee: *See*—
Lipinski, Vincent.
Schutte, Junius M.
Wilke, Milton E.
- Burgess, John E.: *See*—
Gerhold, Clarence G., and Burgess.
Burgess, Lothian M.: *See*—
Massey, Peter J., and Burgess.
Burgess, Lothian M., and G. Abson, assignors to H. P. Smith Paper Company, Chicago, Ill. Moisture vapor-proofing material. 2,402,123; June 18.
Burgess, Lothian M., and G. Abson, assignors to H. P. Smith Paper Company, Chicago, Ill. Moisture vapor-proofing material. 2,402,870; June 25.
Burgess-Manning Company, assignee: *See*—
Hoyle, Robert L.
Leadbetter, Ralph L.
Burgess, Robert O., Arlington, Va. Instrument for measuring vertical angles. 2,401,609; June 4.
Burgess, Robert O., Arlington, Va., and E. C. Craig, U. S. Navy, Pelorus. 2,397,125; Mar. 26.
Burgess, William S.: *See*—
Weaver, Joseph B., and Burgess.
Burgess, William S. assignor to Weaver Associates Corporation, Washington, D. C. Contratrurning propeller mechanism. 2,393,234; Jan. 22.
Burghard, Raymond F., Forest Hills, N. Y., and R. H. Barth, Ridgewood, N. J., assignors, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y. Manufacture of pentaerythritol. 2,401,749; June 11.
Burghart, Lloyd M., Darien, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Corrosion inhibiting composition and method. 2,411,676; Nov. 26.
Burgin, James: *See*—
Bailey, William A., Jr., and Burgin.
Burgin, James, Oakland, assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of carbonaceous materials. 2,407,918; Sept. 17.
Burhans, Paul B., Fort Myers, Fla. Automatic wear compensating ball-and-socket joint. 2,401,814; June 11.
Burhans, William G., Kingston, N. Y. Filter. 2,394,895; Feb. 12.
Burk, Robert, assignor of one-half to W. C. Brockmeier, Brazil, Ind., and one-half to M. R. Harding, Greenville, Mich. Rotary tool adapter. 2,407,471; Sept. 10.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Recovery of catalysts. 2,400,874; May 28.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Reactions with isopentane in the presence of a liquid catalyst. 2,405,993; Aug. 20.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Averaging propane and pentane. 2,405,994; Aug. 20.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Deoaramatizing and modifying hydrocarbons with hydrogen fluoride and boron trifluoride. 2,405,995; Aug. 20.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Averaging hydrocarbons. 2,405,996; Aug. 20.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Preparation of branched chain hydrocarbons. 2,408,752; Oct. 8.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Treatment of hydrocarbons. 2,408,753; Oct. 8.
Burk, Robert E., assignor to The Standard Oil Company, Cleveland, Ohio. Flushing liquid for cleaning internal-combustion engines. 2,403,169; July 2.
Burk, Robert E., Novelty, assignor to The Standard Oil Company, Cleveland, Ohio. Averaging with pentane. 2,405,997; Aug. 20.
Burk, Robert E., Wilmington, Del., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Alkylating aromatic hydrocarbons. 2,399,662; May 7.
Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Aromatizing sulphur-containing hydrocarbons. 2,401,334; June 4.
Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Polymerizing olefins. 2,404,788; July 30.
Burk, Robert E., Cleveland Heights, and E. Kropp, assignors to The Standard Oil Company, Cleveland, Ohio. Apparatus for fractional distillation. 2,404,789; July 30.
Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Aromatizing with consumption of hydrogen. 2,405,184; Aug. 6.
Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Hydrocarbon catalyzing process. 2,410,044; Oct. 29.
Burk, Robert E., Cleveland Heights, and T. J. Walsh, assignors to The Standard Oil Company, Cleveland, Ohio. Laboratory fractionating column head. 2,410,045; Oct. 29.
Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Catalysis of hydrocarbons by gel-type catalysts. 2,412,600; Dec. 17.
Burkhardt, R. Manufacturing Company, assignee: *See*—
Kopplin, Karl J.
Burke, Allen P., Claymont, Del., and H. Crewdson, Chester County, Pa., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for the liquid treatment of strand material. 2,402,313; June 18.
Burke, James P., Poland, Ohio, assignor to F. L. McLaughlin, Detroit, Mich. Lock nut. 2,400,072; May 14.
Burke Theodore H. D., Eggertsville, assignor to Otis Elevator Company, New York, N. Y. Treating refractory. 2,407,868; Sept. 17.
Burke, William F., Athens, Ohio, assignor to Syntron Company, Homer City, Pa. Stacking apparatus. 2,398,777; Apr. 23.
Burke, William J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating cellulosic textile materials. 2,391,942; Jan. 1.
Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing cellulose ethers. 2,398,767; Apr. 23.
Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of keratinous material. 2,403,906; July 16.
Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of polyunsaturated esters with polythiols and products produced thereby. 2,411,954; Dec. 3.
Burkman, Axel H., Des Moines, Iowa. Combination folding table and blackboard. 2,397,405; Mar. 26.
Burkett, Howard: *See*—
McElvain, Samuel M.
Burkhalter, Robert R.: *See*—
Peterson, Carl D., and Burkhalter.
Burkhard, William L., assignor to Gates Rubber Company, Denver, Colo. Display rack. 2,400,807; May 21.
Burkhardt, Otto M., Euclid, Ohio. Selector cock. 2,405,940; Aug. 20.
Burkhardt, Otto M., Euclid, Ohio. Valve linkage. 2,411,650; Nov. 26.
Burkhardt, Oliver E., assignee, et al.: *See*—
Gruner, William P.
Burkhart, Walter H., assignee, et al.: *See*—
Gruner, William P.
Burkhart, William B.: *See*—
Schultz, Arthur B., and Burkhart.
Burke, George B., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Valve tappet mounting. 2,404,032; July 16.
Burks, James B., Houston, Tex. Pump. 2,392,117; Jan. 1.
Burles, Leslie H., Valparaiso, Ind., assignor to M. L. Sturm, Evanston, Ill., doing business as Milton Sturm & Company. Tightrope walking toy. 2,392,721; Jan. 8.
Burlin, Leslie H., Valparaiso, Ind., assignor to M. L. Sturm, Evanston, Ill., doing business as Milton Sturm & Company. Loop the loop toy. 2,392,722; Jan. 8.
Burlington Mills Corporation, assignee: *See*—
Adams, Hal M.
Burman & Sons Limited, assignee: *See*—
Briggs, Thomas H., and W. H.
Burnam, John C., assignee: *See*—
Lee, Floyd J.
Burnat, Henri L., Paris, France; vested in the Alien Property Custodian. Damping flywheel. 2,403,478; July 9.
Burndy Engineering Company, Inc., assignee: *See*—
Matthysse, Irving F.
Burnell Machine Company, Incorporated, assignee: *See*—
Housman, Walter J.
Burner, Bingham F., Arlington, Va., and L. A. Brooke, Washington, D. C. Chair tie for reinforcing rods. 2,407,248; Sept. 10.
Burnett, Clinton B., Parsons, Kans., W. T. Donahue, Chicago, and F. T. Randolph, Waukegan, Ill., assignors to Johns-Manville Corporation, New York, N. Y. Sound-absorbing treatment. 2,401,906; June 11.
Burnett, Ralph E., assignor to Porcelain Metals Corporation, Louisville, Ky. Shower bath receptor. 2,400,683; May 21.
Burnett, Raymond S.: *See*—
Irving, George W., Jr., Merrifield, Burnett, and
Burnett, Richard T., South Bend, Ind. Accumulator system. 2,400,039; May 7.
Burnett, Robert N., deceased, late of Missouri, Calif., by S. Hoffmann, executor, Glendale, Calif. Float collar and cementing shoe. 2,393,457; Jan. 22.
Burney, Donald E., Hammond, Ind., and E. L. d'Ouville and C. M. Hull, assignors to Standard Oil Company, Chicago, Ill. Polymerization of propylene. 2,397,945; Apr. 8.
Burnham, John, assignor to Sprague Electric Company, North Adams, Mass. Electrical condenser. 2,408,910; Oct. 8.
Burnham, Virgil A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Twister frame. 2,411,126; Nov. 12.

- Burnham, Virgil A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spindle brake. 2,411,127; Nov. 12.
- Burns, Charles R., West Reading, assignor to Vanity Fair Mills, Inc., Reading, Pa. Warp knit fabric and making the same. 2,412,869; Dec. 17.
- Burns, Edward R., Cheshire, Conn., assignor, by mesne assignments, to Dispersions Process, Inc., New York, N. Y. Preparation of aqueous dispersions of vinyl chloride polymers. 2,400,808; May 21.
- Burns, Frank D., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Totalizer. 2,393,748; Jan. 29.
- Burns, Frank D., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Regulator stabilizer. 2,397,127; Mar. 26.
- Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Window shade attaching means. 2,397,775; Apr. 2.
- Burns, Gordon K., and S. Pitt, Westfield, and D. V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Coating apparatus. 2,401,047; May 28.
- Burns, Jake D., Richmond, Calif. Tail gate operating mechanism for dump trucks. 2,410,046; Oct. 29.
- Burns, Laurence, Swampscott, Mass., assignor to Sylvia Electric Products Inc., Salem, Mass., a corporation of Massachusetts. Lamp socket. 2,401,610; June 4.
- Burns, Richard H., assignor to Indiana Steel & Wire Company, Muncie, Ind. Electroplating. 2,393,516; Jan. 22.
- Burns, Richard H., assignor to Indiana Steel & Wire Company, Muncie, Ind. Electroplating zinc. 2,393,517; Jan. 22.
- Burnside, John E., administrator: *See—*
Barber, Quay C.
- Burr, Ned, assignor to Chicago Cardboard Company, Chicago, Ill. Framed display. 2,395,369; Feb. 19.
- Burr, Ned, assignor to Chicago Cardboard Company, Chicago, Ill. Lattice display. 2,400,914; May 28.
- Burrell, George T., deceased, by Helen Haughton Burrell, administratrix, Huntington Station, N. Y., assignor to Republic Aviation Corporation. Camera operating control. 2,410,925; Nov. 12.
- Burrell, Guy H., Mount Lebanon, and L. V. Guild, Oakland, assignors to Burrell Technical Supply Company, Pittsburgh, Pa. Selective adsorption of gases. 2,399,095; Apr. 23.
- Burrell, Harry: *See—*
Bowman, Philip I., Barth, and Burrell.
- Burrell, Harry, Paramus, N. J., assignor, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y. Cellulose ester composition containing a rosin ester, and preparing said rosin ester. 2,404,053; July 16.
- Burrell, Helen H., administratrix: *See—*
Burrell, George T.
- Burrell Technical Supply Company, assignee: *See—*
Burrell, Guy H., and Guild.
- Burrill, Charles M., Princeton, N. J., assignor to Radio Corporation of America. Automatic tuning system for radio receivers. 2,408,370; Oct. 1.
- Burrill, Lennard C., West Kirby, assignor to The Mangnese Bronze and Brass Company Limited, London, England. Marine propeller planer. 2,397,917; Apr. 9.
- Burroughs, Franklin: *See—*
Mueller, William P., and Burroughs.
- Burroughs, Gordon S., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,406,798; Sept. 3.
- Burroughs, Louis H., assignor to Electro-Voice Manufacturing Co., Inc., South Bend, Ind. Making diaphragm. 2,396,824; Mar. 19.
- Burroughs, Louis R., assignor to Electro-Voice Manufacturing Co., Inc., South Bend, Ind. Diaphragm-engaging ring. 2,396,825; Mar. 19.
- Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: *See—*
Buck, Johannes S., and Reiner.
Fonda, Howard B.
- Burrows, Lawton A.: *See—*
Davis, Clyde O., and Burrows.
Huston, Frederick P., Burrows, and Lawson.
- Burrows, Lawton A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Initiating explosive composition. 2,396,152; Mar. 5.
- Burrows, Lawton A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of mineral oils. 2,411,502; Nov. 26.
- Burrows, Lawton A., Woodbury, N. J., and W. E. Lawson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting initiator. 2,402,235; June 18.
- Burrows, Lawton A., Woodbury, and G. A. Noddin, Weyonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Smoke pot igniter. 2,403,907; July 16.
- Burrows, Lawton A., Woodbury, N. J., and W. E. Lawson, Westover Hills, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosively blasting joints. 2,410,047; Oct. 29.
- Burrows, Percy N., St. Albans, and N. R. Lockwood, Flushing, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Test circuit. 2,397,406; Mar. 26.
- Burrows, Robert J., and A. O. Williams, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Rail truck. 2,410,011; Oct. 29.
- Burrows, Roscoe T., Mystic, Conn. Lawn mower sharpener. 2,410,566; Nov. 5.
- Burrows, Robert E., assignor to Clark Equipment Company, Buchanan, Mich. Clutch mechanism. 2,396,985; Mar. 19.
- Burry, Arthur A., Toronto, Ontario, Canada, assignor to C. Fuller. Plastic molding machine. 2,408,911; Oct. 8.
- Burski, Anthony, Chicago, Ill. Magnifying glass attachment for lamps. 2,394,231; Feb. 5.
- Burt, F. N., and Company, assignee: *See—*
Auerbach, Abraham.
Smith, William A. and W. W.
- Burt, F. N., Company, Inc., assignee: *See—*
Nyden, Robert.
Smith, William A.
- Burt, George H., Metairie, La., assignor to The Celotex Corporation, Chicago, Ill. Acoustical tile. 2,412,713; Dec. 17.
- Burt, Guy H., assignee, et al.: *See—*
Dansereau, Charles E.
- Burt, Harry M., assignee et al.: *See—*
Dansereau, Charles E.
- Burnett, Everett R.: *See—*
Bowen, Myron W., and Burnett.
- Burton, Bradley: *See—*
Boland, John V., and Burton.
- Burton, Charles H., assignee: *See—*
Rosenman, Reuben, and Eisenberg.
- Burton-Dixie Corporation, assignee: *See—*
Haremann, Erik.
- Burton, Edward F., Los Angeles, O. A. Wheelon, Pacific Palisades, and H. W. Adams, assignors to Douglas Aircraft Company, Incorporated, Santa Monica, Calif. Control surface boost device and gust dampener. Re. 22,728; Mar. 5.
- Burton, Edward F., and J. A. Graves, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Aircraft interior. 2,396,039; Mar. 5.
- Burton, George E., Memphis, Tenn. Viewer for optical instruments. 2,401,224; May 28.
- Burton, Robert A., assignor to The Automatic Hinge Co., High Point, N. C. Spring bed. 2,392,909; Jan. 8.
- Burwell, Blair, Grand Junction, Colo., assignor to United States Vanadium Corporation. Treatment of tungsten ores. 2,394,362; Feb. 5.
- Burwick, Carl, and Company, assignee: *See—*
Burwick, Leo, and Springer.
- Burwick, Leo, and J. J. Springer, Buffalo, N. Y., assignors to Carl Burwick & Company, a partnership composed of C. E. L. and L. Burwick. Bag cleaning machine. 2,398,556; Apr. 16.
- Busacker, John W., Houston, Tex., assignor to the United States of America, as represented by the Secretary of Navy. Set back and centrifugal switch. 2,398,734; Apr. 16.
- Busacker, John W., Houston, Tex., and J. A. Teresi, Pittsburgh, Pa., assignors to United States of America as represented by the Secretary of the Navy. Centrifugal switch. 2,395,248; Feb. 19.
- Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Combined brake beam and head therefor. 2,398,917; Apr. 23.
- Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Trussed brake beam and/or brake head. 2,398,918; Apr. 23.
- Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Trussed brake beam and/or brake head. 2,412,388; Dec. 10.
- Bush, A. G., assignee: *See—*
Crimer, Harry J.
- Bush, Burton T., Incorporated, assignee: *See—*
Schwarzkopf, Otto.
- Bush, George L.: *See—*
Leroy, Everett R., and Bush.
- Bush, George L., Flushing, assignor to The Teleregister Corporation, New York, N. Y. Photoelectric transmitting typewriter apparatus. 2,408,754; Oct. 8.
- Bush, Milton T., Nashville, Tenn., assignor to Mal-linckrodt Chemical Works, St. Louis, Mo. Barbituric acid compositions. 2,408,289; Sept. 24.
- Bush, Rankin J., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid operable control device. 2,413,287; Dec. 31.
- Bush, Thomas R., McKenzie, Tenn. Toy. 2,399,983; May 7.
- Bush, Vannevar, Jeffrey, N. H., and S. H. Caldwell, Belmont, Mass., assignors to Research Corporation, New York, N. Y. Apparatus for generating continuously variable mechanical operations. 2,397,467; Apr. 2.
- Bush, William A., and E. A. Lasher, assignors to California Fluxseed Products Company, Los Angeles, Calif. Fatty oil desludging process. 2,410,926; Nov. 12.
- Bushong, Robert J.: *See—*
Halby, Edwin G., and Bushong.

- Busignies, Henri G.: *See*—
Chevigny, Georges P., and Busignies.
Deloraine, Edmond M., Busignies, and de Rosa.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Radio receiving system. 2,393,971; Feb. 5.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Radio direction finder. 2,403,967; July 16.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Distortion corrective arrangement. 2,406,799; Sept. 3.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Direction finder with filter. 2,406,800; Sept. 3.
- Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Directive antenna. 2,407,250; Sept. 10.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Electronic rotation direction finder. 2,408,039; Sept. 24.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Distorting direction finder receiver. 2,408,040; Sept. 24.
- Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone & Radio Corporation. Instantaneous visual direction finder. 2,408,041; Sept. 24.
- Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Coupling amplifier. 2,411,517; Nov. 26.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic wave transmission system. 2,411,518; Nov. 26.
- Busignies, Henri G., Forest Hills, and S. B. Pickles, Jackson Heights, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon system. 2,397,531; Apr. 2.
- Buss, Robert B., Palo Alto, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Velocity modulation impulse generator. 2,402,364; July 18.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam. 2,408,015; Sept. 24.
- Bussey, Samuel T., U. S. Navy. Torpedo depth control system. 2,397,946; Apr. 9.
- Bussey, William H., Chicago, assignor, by mesne assignments, to O. W. Storey, Wheaton, Ill., as trustee for the partnership of O. W. Storey & Associates. Electrical apparatus. 2,407,363; Sept. 10.
- Bussiere, George E.: *See*—
Chapman, James E., and Bussiere.
- Butcher, Alfred, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Apparatus for the clarification of liquids. 2,407,947; Sept. 17.
- Butcher, Edward R., Harmarville, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Dust preventive composition. 2,399,464; Apr. 30.
- Butcher, Edward R., Harmarville, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Dust preventive composition. 2,399,465; Apr. 30.
- Butcher, William T., and A. Lloyd, Greenford, assignors to Goodlass Wal & Lead Industries Limited, Oxford, England. Extruded pipe made from lead alloys. 2,409,540; Oct. 15.
- Butchko, Paul S., Lorain, assignor, by mesne assignments, to Jack & Helntz, Inc., Cleveland, Ohio. Adjustment engine for tool grinders. 2,395,249; Feb. 19.
- Buteant, William A. S., and A. J. H. Oxford, London, England. Multiplex pulse modulation system. 2,403,210; July 2.
- Bütenandt, Adolph: *See*—
Oberdörffer, Manfred, Bütendantt, Schmidt-Thomé, and Maier-Häser.
- Butler, Adolf G., Hawthorne, assignor to American Pipe and Construction Co., Southgate, Calif. Pipe lining machine. 2,399,321; Apr. 30.
- Butler, Bernard J., San Francisco, Calif., assignor to Maui Pineapple Company, Ltd., Honolulu, Territory of Hawaii. Method and apparatus for loading and storing pineapples. 2,406,992; Sept. 3.
- Butler, Edgar M., New Orleans, La. Making self-energizing electrolytic water correction devices. 2,397,918; Apr. 9.
- Butler, Fabius M., Seattle, Wash. Artificial tooth. 2,397,407; Mar. 26.
- Butler, George B.: *See*—
Bruson, Herman A., and Butler.
- Butler, Gordon C., Ottawa, Ontario, E. Lozinski, Westmount, Quebec, and D. Odell, Sault Ste. Marie, Alberta, Canada. Preparation of new sulphonamide derivatives. 2,410,772; Nov. 5.
- Butler, Harold G., Oxford, assignor to Harris and Sheldon Limited, Birmingham, and Joseph Sankey & Sons Limited, Bilston, Staffordshire, England. Positioning drawing-laying tables. 2,403,338; July 2.
- Butler, Henry J., Sutton Coldfield, England, assignor to Dunlop Rubber Company Limited, London, England. Brake apparatus. 2,392,225; Jan. 1.
- Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company, Limited, London, County, England. Wheel equipment. 2,394,290; Feb. 5.
- Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London, England. Brake mechanism. 2,396,153; Mar. 5.
- Butler, Edward G., Port Huron, Mich., assignor to Morton Salt Company, Chicago, Ill. Rotary filter and final scraper therefor. 2,395,098; Feb. 19.
- Butler, Jacob C., Milford, Del. Splint. 2,397,648; Apr. 2.
- Butler, Kenneth E., Reedley, Calif. Automatic auxiliary plow. 2,402,365; June 18.
- Butler, Robert G., Jr., Middleboro, Mass., and J. W. Moseman, Jr., Bethesda, Md. Fuse. 2,396,245; Mar. 12.
- Butler, Seth E., Union City, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Dial. 2,403,942; Sept. 24.
- Butler, William H., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Ester resin compositions. 2,397,240; Mar. 26.
- Butler, William L., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,409,472; Oct. 15.
- Butler, William M., assignor of one-third to W. A. Jenkins, Clarkdale, Miss. Apparatus for heating and vaporizing liquid. 2,402,871; June 25.
- Butt, Charles A., East Point, A. O. Hallman, Augusta, C. L. Bowden, East Point, Ga., and E. P. Whitlow and P. F. Pace, Austin, Tex., assignors to International Minerals & Chemical Corporation. Production of magnesium chloride from serpentine. 2,398,493; Apr. 16.
- Butt, Herbert G., Winthrop, Mass. Pipe vise. 2,405,288; Aug. 6.
- Butterbaugh, Darrel J., Philadelphia, and Le R. U. Spence, Elkins Park, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of unsaturated esters. 2,407,472; Sept. 10.
- Butterfield, John P., assignor to Chrysler Corporation, Highland Park, Mich. Releaseable pin. 2,405,400; Aug. 6.
- Butterfield, John P., assignor to Chrysler Corporation, Highland Park, Mich. Fastening device. 2,411,364; Nov. 19.
- Butterfield, John P., Highland Park, D. M. Borden, Royal Oak, and P. R. Vogt, assignors to Chrysler Corporation, Highland Park, Mich. Power plant mounting and method. 2,395,141; Jan. 15.
- Butterfield, John P.: *See*—
Burgert, Harold E., and Butterfield.
- Butterfield, Joseph T., Summit, N. J., H. M. Knapp, Flushing, N. Y., and B. F. Runyon, Basking Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiper contact for electrical devices. 2,407,650; Sept. 17.
- Butterworth, Harry W., Jr., Chestnut Hill, Pa., and W. B. Heinz, Bound Brook, N. J. Tension regulating mechanism for differential drives. 2,392,226; Jan. 1.
- Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Carton or container. 2,403,047; July 2.
- Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Dispensing box or container. 2,407,919; Sept. 17.
- Buttner, Horace J., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Sealed doors. 2,408,942; Sept. 3.
- Buttnr, William C., Winnetka, assignor to The Bastian Blessing Co., Chicago, Ill. Fitting. 2,408,912; Oct. 8.
- Buttnr, William C., Winnetka, and S. L. Sundstrom, assignors to The Bastian Blessing Co., Chicago, Ill. Liquefied petroleum gas equipment. 2,405,988; Aug. 20.
- Button, Bland B., Jr.: *See*—
Janota, Joseph, Jr., and Button.
- Button, Bland B., Jr., Chicago, and J. Janota, Jr., Crete, Ill., assignors to The Diversey Corporation. Aluminum treating composition. 2,398,078; Apr. 9.
- Burts, Richard R., Miamisburg, assignor to F. B. Yingling, Hamilton, Ohio. Pressure fluid driven tool. 2,413,542; Dec. 31.
- Butz, Lewis W., Beltsville, Md., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Nonbenzenoid compounds. 2,381,943; Jan. 1.
- Bv, Lewis W., Beltsville, Md., assignor to the United States of America, as represented by the Secretary of Agriculture. Nonbenzenoid compounds. 2,405,540; Aug. 6.
- Butzbach, Orville K., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,405,136; Aug. 6.
- Buxton, Dickson R.: *See*—
Groven, Thov, and Buxton.
- Buxton, James E.: *See*—
Whitney, Maurice P., Buxton, and Miller.
- Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,394,531; Feb. 12.
- Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Starter for internal-combustion engines. 2,396,986; Mar. 19.
- Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,407,132; Sept. 3.
- Buxton, Lorain O.: *See*—
Dryden, Charles E., and Buxton.

- Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Treating fat-soluble vitamin-bearing materials. 2,396,679; Mar. 19.
- Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Natural anti-oxidants. 2,396,680; Mar. 19.
- Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Butter product and producing the same. 2,404,034; July 16.
- Buxton, Loran O., Maplewood, assignor to National Oil Products Company, Harrison, N. J. Producing natural anti-oxidants. 2,404,031; Mar. 19.
- Buxton, Loran O., Maplewood, assignor to National Oil Products Company, Harrison, N. J. Butter extract. 2,404,035; July 16.
- Buxton, Loran O., Maplewood, assignor to National Oil Products Company, Harrison, N. J. Production of butter extract. 2,404,036; July 16.
- Buxton, Loran O., Maplewood, assignor to National Oil Products Company, Harrison, N. J. Extracting butter. 2,404,037; July 16.
- Buxton, Loran O., Newark, assignor to National Oil Products Company, Harrison, N. J. Purification of unsaponifiable fractions of fats or oils. 2,400,101; May 14.
- Buxton, Loran O., Newark, assignor to National Oil Products Company, Harrison, N. J. Fat-soluble vitamin fractionation. 2,400,102; May 14.
- Buxton, Loran O., Newark, assignor to National Oil Products Company, Harrison, N. J. Producing vitamin concentrates. 2,412,766; Dec. 17.
- Buxton, Loran O., East Orange, assignor to National Oil Products Company, Harrison, N. J. Concentration of fat-soluble vitamins. 2,412,561; Dec. 17.
- Buxton, Loran O., Newark, and H. J. Konen, East Orange, assignors to National Oil Products Company, Harrison, N. J. Stable vitamin containing products. 2,401,293; June 4.
- Byard Manufacturing Company, Limited, assignee: See—Hunter, Albert B., and Popitt.
- Byck, Jacques, New York, N. Y. Ornamental card mounting or the like. 2,394,980; Feb. 19.
- Byer, Henry E., Bernardsville, N. J. Countercurrent condenser. 2,408,290; Sept. 24.
- Byerley, Henry L., Marblehead, Mass., assignor tosylvania Electric Products, Inc., Salem, Mass. Starting apparatus for discharge lamps. 2,392,282; Jan. 1.
- Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 2,403,359; July 2.
- Byers, Harold E.: See—Harrison, John H., and Byers.
- Byers, John R., Jr.: See—Towne, Edmund B., Dickey, and Byers.
- Byers, William B., Kalamazoo, Mo. Making insulating blankets. 2,406,801; Sept. 3.
- Dynco, Russell E., Brooklyn, N. Y. Hose coupling unit. 2,394,363; Feb. 5.
- Byrket, Otis H., Richmond, Ind. Garment hanger. 2,409,927; Oct. 22.
- Byrkit, George D.: See—Lincoln, Bert H.
- Byrkit, Gordon D., Niagara Falls, N. Y., assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,395,457; Feb. 26.
- Byrne, Brian J.: See—Clarke, Lionel W. W., and Byrne.
- Byrne, John E., Dallas, Tex. Metal structure. 2,399,202; Apr. 30.
- Byrnes, James C., U. S. Navy, E. C. Moriarty, Washington, D. C., and J. C. Darnall, Hyattsville, Md. Bomb fuse. 2,400,100; May 14.
- Byrns, Alva C., Oakland, assignor to Union Oil Company of California, Los Angeles, Calif. Secondary recovery. 2,392,971; Jan. 15.
- Byrns, Alva C., Oakland, assignor to Union Oil Company of California, Los Angeles, Calif. The catalytic reforming of hydrocarbon mixtures. 2,393,288; Jan. 22.
- Byrns, Alva C., Oakland, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation, Production of magnesium-containing mixtures. 2,399,096; Apr. 23.
- Byrns, Alva C., assignor to Union Oil Company of California, Los Angeles, Calif. Catalytic desulphurization. 2,398,919; Apr. 23.
- Byrns, Alva C., Los Altos, assignor to The Permanente Metals Corporation, Oakland, Calif. Carbothermic magnesia. 2,410,267; Oct. 29.
- Byron, Eve, South Gate, Calif. Hair pin spreader. 2,406,060; Aug. 20.
- Byron, Eve, South Gate, Calif. Eyelash curler. 2,411,519; Nov. 26.
- Byron Jackson Co., assignee: See—Blom, Carl J.
- Elliott, Raymond D.
- Byrum, Charles F.: See—Edwards, Martin A., and Byrum.
- Bywater, William G., assignee: See—Cheney, Lew C., and Bywater.
- C. B. Equipment Co., assignee: See—Harbers, Henry C.
- Williams, Harrison J.
- Cabot, Godfrey L., Inc., assignee: See—Amon, Fred H.
- Goldinger, George.
- Sherwood, Thomas K.
- Cacarrillo, Anthony J., assignor to Parker Manufacturing Company, Worcester, Mass. Crossed-lever tool. 2,392,118; Jan. 1.
- Cade, John W.: See—Sturgess, John, Cade, and Savitz.
- Cadella, Anthony, Fairfield, Conn. Internal-combustion engine. 2,393,749; Jan. 29.
- Caduan, Arthur H., Orange, assignor to Breeze Corporation, Inc., Newark, N. J. Clamp for flexible conduit attaching nuts. 2,400,338; May 14.
- Cadot, Henry M.: See—Sharkey, William H., Cadot, and Clark.
- Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Exothermic reaction charge. 2,398,768; Apr. 23.
- Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail bonding apparatus. 2,401,048; May 28.
- Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Welding material and process. 2,408,291; Sept. 24.
- Caesar, George V., Staten Island, assignor to Stein, Hall & Company, Inc., New York, N. Y. Nitration. 2,400,287; May 14.
- Caesar, George V., Staten Island, and M. Goldfrank, assignors to Stein, Hall & Company, Inc., New York, N. Y. Nitration amines. 2,398,080; Apr. 9.
- Caesar, George V., Staten Island, and M. Goldfrank, assignors to Stein, Hall & Company, Inc., New York, N. Y. Making dinitroethyleneurea. 2,400,288; May 14.
- Caesar, Julius, Humboldt, Tenn. Baseball game. 2,417,714; Dec. 17.
- Caesar, Philip D., Wenonah, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of anthraquinone. 2,401,225; May 28.
- Cafraga, Joe, Marion, Ohio. Work gauge and receiver. 2,392,363; Jan. 8.
- Caffrey, Joseph L., Malden, Mass. Folding seat. 2,413,168; Dec. 24.
- Cage, John M., assignor to Sturdy-Cage Projects, Inc., Los Angeles, Calif. Invisible ray vision system. 2,395,099; Feb. 19.
- Cahan, Alvin M., New York, N. Y. Respiration apparatus. 2,391,877; Jan. 1.
- Cahan, Paul, Rio de Janeiro, Brazil. Burr remover. 2,411,985; Dec. 3.
- Cahenall, Martin T., Jr., assignor to The Harry Alter Company, Chicago, Ill. Combination receiver and dehydrator. 2,409,928; Oct. 22.
- Cahill, Arthur T., Weehawken, N. J. Picture projection apparatus for stills and for moving pictures. 2,413,288; Dec. 31.
- Cahill, Harold D., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Latching mechanism. 2,408,755; Oct. 8.
- Cahill, Lysle D.: See—Heintz, Ralph M., Steigerwald, and Cahill.
- Cahill, Lysle D., Shaker Heights, J. J. Neff, South Euclid, and F. A. Frampton, Garfield Heights, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Dynamic clutch torque recorder. 2,401,907; June 11.
- Call, George W., Lafayette, Calif. Stepladder. 2,397,468; Apr. 2.
- Calmi, Joseph D., Everett, Mass. Paper display carton with transparent window. 2,409,736; Oct. 22.
- Call, John J., Jr., Youngstown, Ohio. Open-heart furnace repair unit. 2,408,016; Sept. 24.
- Cain, Sidney R., Henley-on-Thames, England. Remote control of fluid pressure actuated apparatus. 2,407,812; Sept. 17.
- Cairns, John E. I., Chalfont St. Peter, assignor to Electric Mutual Industries Limited, London, Middlesex, England. Electron discharge device employing hollow resonators. 2,407,607; Sept. 10.
- Cairns, Theodore Le Sueur, assignor to E. I. de Pont de Nemours & Company, Wilmington, Del. Polyamides and obtaining them. 2,393,972; Feb. 5.
- Calabrese, Conlon C., Webster Groves, Mo., and J. S. Heaton, Greenwich, Conn. Fire hose reel. 2,408,043; Sept. 24.
- Calafore, Charles T., Baltimore, Md. Dispensing and spreading support for hairpins and the like. 2,402,236; June 18.
- Calcutt, Anthony J., Oswego, N. Y. Tool retainer. 2,406,182; Aug. 20.
- Calcium Carbonate Company, assignee: See—McHann, Brack E.
- Calcott, William S., Woodstown, N. J., and H. W. Starkweather, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous process for preparing dispersions of polymerized elastogenic dienes. 2,394,291; Feb. 5.
- Calcott, William S., Woodstown, N. J., and G. E. Holbrook and S. G. Turnbull, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining provitamin D. 2,406,133; Aug. 20.

- Caldebeck, Charles J., Bradford, assignor to The English Electric Company Limited, London, England. Electric motor control system. 2,403,048; July 2.
- Calder, Archibald, North Brighton, near Melbourne, Victoria, Australia. Folding bed or camp stretcher. 2,394,981; Feb. 19.
- Calder, Douglas S., and K. B. Flier, assignors to Forest Products Chemical Company, Memphis, Tenn. Recovery of diketones and related products from technical liquors containing diketones. 2,401,835; June 4.
- Calder, Douglas S., and K. B. Flier, assignors to Forest Products Chemical Company, Memphis, Tenn. Manufacture of ketols and other derivatives of 1,2-diketones. 2,401,836; June 4.
- Calder, Leonard C.: See—
- Crever, Frederick E., and Calder.
- Caldes, Constantine A., Jersey City, N. J. Circular loom. 2,408,732; Oct. 8.
- Caldwell, Claude P.: See—
- Statham, Thomas R., Koenig, and Caldwell.
- Caldwell, Frank W., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cooling and charging apparatus. 2,407,223; Sept. 10.
- Caldwell, Frank W., and E. Martin, West Hartford, Conn., and E. E. Vincent, Springfield, Mass., assignors to United Aircraft Corporation, East Hartford, Conn. Pitch changing mechanism. 2,392,364; Jan. 8.
- Caldwell, Harry J.: See—
- Seborg, Ernest Y., Caldwell, and Manning.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of zein solutions. 2,397,919; Apr. 9.
- Caldwell, Lytle, Los Angeles, Calif. Method and apparatus for the gaseous reduction of iron oxide in suspension. 2,399,984; May 7.
- Caldwell, Samuel H.: See—
- Bush, Vannevar, and Caldwell.
- Calfee, John D.: See—
- Kraus, Charles A., and Calfee.
- Kalgon Inc., assignee: See—
- Taylor, Ambrose G.
- Calhoun, Evan A., Jesup, Iowa. Hitch. 2,412,672; Dec. 17.
- Calhoun, James C., New Haven, and W. L. Davidson, Westport, Conn., and K. J. Hansen, Forest Hills, N. Y., assignors to Olin Industries, Inc. Merchandising device. 2,401,908; June 11.
- Calhoun, John M.: See—
- Swan, Donald B., and Calhoun.
- Calco Printers' Association Limited, The, assignee: See—
- Burawoy, Abraham.
- California Central Fibre Corporation, assignee: See—
- Kaiser, Karl.
- California Fibre Products Company, assignee: See—
- Bush, William A., and Lasher.
- California Fruit Growers Exchange, assignee: See—
- Hizby, Ralph H.
- California Institute Research Foundation, assignee: See—
- Nemeyer, Roland.
- Shaffer, Philip A., Jr.
- Xuan, Luke Chia-Liu, and Miller.
- California Packing Corporation, assignee: See—
- Richardson, Alan C.
- Russell, Clyde D.
- California Research Corporation, assignee: See—
- Batchelder, Augustus H., and Rollins.
- Cardwell, William T., Jr.
- Claussen, William H., and Powell.
- Cunningham, John R.
- Denison, George H., Jr., and Condit.
- Eldredge, Kenneth R., and Davis.
- Miller, Robert J., and Rutherford.
- California Spray-Chemical Corporation, assignee: See—
- Hansen, James W., and Cassil.
- Calig, George L., assignee: See—
- Jansson, Arvid.
- Callahan, Charles F., Memphis, Tenn. Cotton chopper. 2,412,715; Dec. 17.
- Callahan, Thomas L., and J. Weaver, Richmond, Ind., assignors to International Harvester Company. Bearing and seal construction. 2,410,927; Nov. 12.
- Callan, William D., Norwood, Ohio, assignor to The Phillip Carey Manufacturing Company. Air conduit. 2,396,826; Mar. 19.
- Callaway Mills, assignee: See—
- Dauchdrill, James H., and Jessen.
- Parker, Samuel P.
- Callender, Edwin M., assignor to Edward G. Bnd Manufacturing Company, Philadelphia, Pa. Voltage compensator. 2,393,884; Jan. 29.
- Callender, Edwin M., assignor to The Budd Company, Philadelphia, Pa. Electronic timing device. 2,409,473; Oct. 15.
- Callender's Cable & Construction Co., Ltd., assignee: See—
- Hamilton, George M.
- Urmston, James.
- Calleson, Amos, and E. A. Calleson, Merrick, N. Y., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Cupping press. 2,411,503; Nov. 26.
- Calleson, Edgar A.: See—
- Calleson, Amos, and E. A.
- Callinan, Thomas D., Pittsfield, Mass., assignor to General Electric Company. Mineral products and method of preparation. 2,394,040; Feb. 6.
- Callis, Conral C., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Heat insulation block. 2,396,246; Mar. 12.
- Caloric Gas Stove Works, assignee: See—
- Klein, Gustav.
- Calpat Corporation, The, assignee: See—
- Bodine, Albert G., Jr.
- Calumet and Hecla Consolidated Copper Company, assignee: See—
- Hill, Walter P.
- Calvert, John W., Washington, D. C. Teller cage construction unit. 2,401,226; May 28.
- Calvert, William C., Chicago, Ill., assignor to Wingfoot Corporation, Wilmington, Del. Compounding rubber hydrohalides, etc. 2,411,839; Nov. 26.
- Calvert, William C., Gary, Ind., assignor to Wingfoot Corporation, Wilmington, Del., and Akron, Ohio. Compounding rubber hydrohalides, etc. 2,411,840; Nov. 26.
- Calvert, William C., Gary, Ind., assignor to Wingfoot Corporation, Wilmington, Del., and Akron, Ohio. Compounding rubber hydrohalides, etc. 2,411,841; Nov. 26.
- Cameford, James A.: See—
- Dunmire, Russell P., and Cameford.
- Cameron, Allan M., River Forest, assignor to Cameron Can Machinery Co., Chicago, Ill. Double seamer. 2,399,203; Apr. 30.
- Cameron Can Machinery Co., assignee: See—
- Cameron, Allan M.
- Cameron Can Machinery Company, assignee: See—
- Simpson, Justin.
- Cameron, Daniel D., San Francisco, Calif. Newspaper reading machine. 2,396,411; Mar. 12.
- Cameron, Hugh J., Gary, assignor to E. F. Siefert, Chester town, Ind. Manufacture of elastic composition suitable for electrical cable insulation. 2,406,191; Aug. 20.
- Cameron Iron Works, assignee: See—
- Allen, Herbert, and Bean.
- Bean, Ruric N.
- Cameron, John C. A., Washington, D. C. Automobile luggage carrier. 2,409,103; Oct. 8.
- Cameron, Joseph A., Los Angeles, Calif. Tool grinding machine. 2,406,134; Aug. 20.
- Cameron, William J., Chicago, Ill. Camera. 2,400,483; May 21.
- Cameron, William S., Port Clinton, Ohio, assignor to The Standard Products Company, Detroit, Mich. Glass run channel. 2,399,204; Apr. 30.
- Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Control system for hydraulic presses. 2,392,644; Jan. 8.
- Cametti, Benjamin: See—
- Rushing, Frank C., Werner, and Cametti.
- Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 2,402,366; June 18.
- Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Insulated conducting member and applying the insulation. 2,403,340; July 2.
- Camloc Fastener Corporation, assignee: See—
- Allen, Rex W.
- Eisele, Karl.
- Summers, J. Mills.
- Camnack, Loretta A., assignee: See—
- Keoh, Joseph J.
- Camp, Elza Q.: See—
- Walsh, David C., Jr., and Camp.
- Camp, Elza Q., Goose Creek, and D. C. Walsh, Jr., Wooster, assignors to Standard Oil Development Company. Removal of organic acids from cracked naphtha. 2,394,662; Feb. 12.
- Camp Manufacturing Company, Inc., assignee: See—
- Jennings, William H.
- Camp, Percy B., Maywood, and H. E. Bartsch, Chicago, Ill., assignors to Universal Railway Devices Company. Hand brake. 2,395,779; Feb. 26.
- Camp, Thomas P., Arlington Heights, assignor to United States Gypsum Company, Chicago, Ill. Gypsum composition. Re. 22,816; Dec. 10.
- Camp, William W., Crown Point, Ind. Bearing assembly. 2,392,807; Jan. 15.
- Campana, Sam A., San Francisco, Calif. Can cooler loading machine. 2,400,484; May 21.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Draft mechanism for railway cars. 2,408,195; Sept. 24.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Roof hatch for railway cars. 2,408,733; Oct. 8.
- Campbell, Bernard J., and M. Hilton, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Making electrical strain gauges. 2,401,049; May 28.
- Campbell, Blanche E., assignee, et al.: See—
- Campbell, Charles A.
- Campbell, Charles A., Jr., assignee, et al.: See—
- Campbell, Charles A.

- Campbell, Charles A., Detroit, assignor of thirty-five per cent to B. E. Campbell, five per cent to R. B. Fosse, five per cent to J. M. Ballow, and five per cent to C. A. Campbell, Jr., Pointe, Mich. Cleaning process. 2,399,203; Apr. 30.
- Campbell, Charles T., assignee: See—
- Campbell, James A.
- Campbell, Chester B., Anderson, Ind., and B. G. Chamberlain, Bellefontaine, Ohio. Wayside actuable signal system. 2,400,740; May 21.
- Campbell, Donald L.: See—
- Schonberg, Jackson R., and Campbell.
- Campbell, Donald L., Short Hills, N. J., assignor to Standard Oil Development Company. Chemical process. 2,410,048; Oct. 29.
- Campbell, Edmund D., assignor to American Car and Foundry Company, New York, N. Y. Combined sill brace and draft gear stop. 2,401,137; May 28.
- Campbell, Frank L.: See—
- Fernelius, Willis C., and Campbell.
- Campbell, Frank L., Rockville, Md., and W. C. Fernelius, Dayton, Ohio. Fuelgiant. 2,413,405; Dec. 31.
- Campbell, G. G., assignee, et al.: See—
- Sells, Gale, Johnson, and Black.
- Campbell, Gladys M., Mamaroneck, N. Y. Fingertip guard. 2,396,154; Mar. 5.
- Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Control system for rotative winged aircraft. 2,405,188; Aug. 6.
- Campbell, Harry C., Toledo, Ohio. Folding horse. 2,412,716; Dec. 17.
- Campbell, Harry L., Wilmette, Ill. Hoist attachment for ladders. 2,394,143; Feb. 5.
- Campbell, James A., assignor of one-half to C. T. Campbell, Adrian, Mich. Chair. 2,405,013; July 30.
- Campbell, James R., Laguna Beach, assignor to P. Henry, Los Angeles, Calif. Snap acting control device. 2,394,747; Feb. 12.
- Campbell, James R., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Antenna mast. 2,398,357; Apr. 16.
- Campbell, James T., Detroit, Mich. Lithographic plate-making apparatus. 2,412,317; Dec. 10.
- Campbell, John F., Detroit, Mich., assignor to G. M. and E. Holley. Fuel injection system. 2,412,316; Dec. 10.
- Campbell, John M., assignor to General Motors Corporation, Detroit, Mich. Treatment of fuels employed in Diesel engines and furnace oil burners. 2,400,915; May 28.
- Campbell, John M., assignor to General Motors Corporation, Detroit, Mich. Fuel. 2,405,560; Aug. 13.
- Campbell, Kenneth, Ridgewood, and J. E. Talbert, Glen Rock, N. J., assignors to Wright Aeronautical Corporation. Centrifugal compressor. 2,399,852; May 7.
- Campbell, Lee, Hackensack, N. J. Stringer tape for slide fasteners. 2,396,912; Mar. 19.
- Campbell, Lester: See—
- Cotchetti, Louis M., Campbell, and Stange.
- Cotchetti, Louis M., Campbell, Stange, and Arterton.
- Campbell, Lyman L.: See—
- Hodson, George F., and Campbell.
- Campbell, Neil M., assignor to American Allsafe Company, Inc., Buffalo, N. Y. Making composite bands. 2,403,786; July 9.
- Campbell, Robert G., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Aerodynamic brake. 2,400,388; May 14.
- Campbell, Rodney B., Van Nuys, Calif. Piston brake valve. 2,404,122; July 16.
- Campbell, Thomas D., Hardin, Mont. Endless track for vehicles. 2,412,122; Dec. 3.
- Campbell, William G., assignee, et al.: See—
- Booharin, Leo Y.
- Campion, Donald C., Detroit, Mich. Hearth. 2,401,227; May 28.
- Campodonico, John J., Stockton, Calif. Multispeed gear transmission. 2,396,456; Mar. 12.
- Campos, Adolph, Clifton, N. J. Pocket case. 2,400,289; May 14.
- Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Wire reel and holding means. 2,397,087; Mar. 26.
- Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Neon lamp volume indicator. 2,411,848; Dec. 3.
- Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Magnetic recorder head. 2,411,849; Dec. 3.
- Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Safety drive, braking, and control mechanism for magnetic recording devices. 2,412,318; Dec. 10.
- Canadian Bridge Company Limited, The, assignee: See—
- Goodrich, Chauncey M.
- Canadian Copper Refiners, Limited, assignee: See—
- Clark, Charles W., and Elkin.
- Clark, Charles W., Elkin, and Waitkins.
- Canadian Radium & Uranium Corporation, assignee: See—
- Feuer, Irving, and Goldstein.
- Goldstein, Ladislav, and Perrin.
- Rosenblum, Solomon.
- Canadian Refractories Limited, assignee: See—
- Perry, John S. C., and Prince.
- Canby, Don, Cleveland, assignor to Dayton Acme Co., Cincinnati, Ohio. Motion picture apparatus. 2,410,711; Nov. 5.
- Canal National Bank of Portland, The, trustee: See—
- Sawyer, Edward E.
- Canavan, John P., Neenah, Wis. Nonchafing catamenial pad. 2,403,508; Oct. 1.
- Canfield, Robert W.: See—
- Wiley, Fred E., Canfield, Jesionowski, and Bailey.
- Cangelmi, Salvatore, Brooklyn, N. Y. Shoe construction. 2,404,214; July 16.
- Cann, Edward: See—
- Kann, Edward.
- Cannon, Charles H., Jr.: See—
- Griswold, Gale, and Cannon.
- Cannon, Earl, Rockville Centre, assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for controlling the slide movement in long-bed hydraulic presses. 2,405,640; Aug. 13.
- Cannon, Earl, Rockville Centre, assignor to E. W. Bliss Company, Brooklyn, N. Y. Control for hydraulic presses. 2,410,712; Nov. 5.
- Cannon, Edward J., Dumas, and H. A. Stuewe, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Separation of butadiene. 2,409,250; Oct. 15.
- Cannon, Frank J., Millbrae, and G. E. Goodwin, San Anselmo, Calif., assignors to American Telephone and Telegraph Company. Apparatus for testing telephone lines. 2,397,837; Apr. 2.
- Canter, Ralph, and H. D. Geyer, Dayton, Ohio, assignors, to General Motors Corporation, Detroit, Mich. Water repellent coating material. 2,404,431; July 23.
- Canley, Joseph C., Beverly, and A. F. Pym, deceased, Topsfield, by G. H. Hays, administrator, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Automatic firearm. 2,409,251; Oct. 15.
- Cantrall, Forrest L., Benicia, and J. A. Carlisle, San Rafael, Calif. Brickmaking machine. 2,402,367; June 18.
- Cantrall, Forrest L., Benicia, and J. A. Carlisle, San Rafael, Calif. Mold turnover mechanism. 2,402,368; June 18.
- Cantrall, Cyrus D., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Sampling apparatus. 2,406,192; Aug. 20.
- Cantrill, Frank J., assignor of 49 per cent to Eleanor J. Koch, San Francisco, Calif. Window jack. 2,405,685; Aug. 13.
- Cantrill, Troy L.: See—
- Smith, Herschel G., and Cantrill.
- Smith, Herschel G., Cantrill, and Peters.
- Capanoli, David M., Hibbing, Minn., now by judicial change of name D. M. Capan. Cowling for airplanes. 2,408,371; Oct. 2.
- Caparone, Michael J., Pasadena, assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Snap action mechanism. 2,405,014; July 30.
- Cape, Arthur T., Columbus, assignor to Coast Metals, Inc., Canton, Ohio. Treating molten metals. 2,395,458; Feb. 26.
- Cape, Arthur T., Columbus, assignor to Coast Metals, Inc., Canton, Ohio. Structural element. 2,396,552; Mar. 12.
- Capen, William H., Mountain Lakes, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Radio locating system. 2,411,520; Nov. 26.
- Caperton, A. H., assignee, et al.: See—
- Donaldson, Jefferson R.
- Capita, Emil R., North Bergen, N. J. Airplane hangar. 2,411,316; Nov. 19.
- Capital Machine and Welding Works: See—
- Kline, Theodore S., and Rogers.
- Caplan, Solomon: See—
- Harvey, Mortimer T., and Caplan.
- Cappan, David M.: See—
- Capanoli, David M.
- Cappel, MacDonald & Company, assignee: See—
- Owen, Dale.
- Caracristi, Virginia Z.: See—
- Kreissinger, Henry, and Caracristi.
- Carazozzolo, Dominick B., Bronx, N. Y. Shoe. 2,411,850; Dec. 3.
- Caraway, John B., Cambridge, Mass., assignor to Evansville on the Air, Inc., Evansville, Ind. Electric distribution system. 2,393,218; Jan. 15.
- Carbide and Carbon Chemicals Corp., assignee: See—
- Boese, Albert B., Jr., and Young.
- Cannon, Edward J., and Stuewe.
- Carruthers, Thomas F.
- Cox, Henry L.
- Francisco, Damon E.
- Goodman, Henry G., Jr.
- Groff, Frazier.
- Hitchcock, Melville E., and Field.
- Johnston, Franklin, and Newton.
- Kliney, Hartselle D., Kelly, and Ferrara.
- Marsh, Jay L., and Hitchcock.
- Murray, Irvin L., Marsh, and Smith.
- Powell, George M., III.

- Carbide and Carbon Chemicals Corp., assignee: See—
Continued
Price, John R.
Quarles, Richard W.
Quattlebaum, William M., Jr., and Nofsinger.
Quattlebaum, William M., Jr., and Toussaint.
Reeder, William H., III, and Lescisin.
Schuh, Charles H.
Shriver, Leland C.
Staff, Charles B.
Stoops, William N., and Wilson.
Wassell, Helen E.
Wilkes, Benjamin G.
Carboloy Company, Inc., assignee: See—
Duncan, Hershel B.
Taylor, George F.
Carbon Systems, Inc., assignee: See—
Brisendine, Guy F.
Carborundum Company, assignee: See—
Prentice, James A.
Carborundum Company, The, assignee: See—
Buell, Halsey W.
Goepfert, George J., and Rushmer.
Hediger, Ernst.
Heyroth, Albert H.
Howard, Elmer E.
Kirchner, Henry P., and Ball.
Ries, Kernell C., Robie, and Von Doenhoff.
Robie, Norman P., and Rowe.
Rowe, Robert G., and Goepfert.
Sharpe, Donald B., and Baumgartner.
Woodell, Charles E., Van Nimwegen, and Hager.
Card, Francis C., Grand Rapids, Mich. Cigarette container and ash receptacle 2,396,827; Mar. 19.
Card, Harold L., Pana, Ill. Dish drier. 2,411,365; Nov. 19.
Cardarelli, Victor A., Sr., Boston, Mass. Roofing. 2,408,292; Sept. 24.
Carder, Frank C., Rock Island, assignor to Container Corporation of America, Chicago, Ill. Combination pre-heater and steam shower for corrugating and like machines. 2,402,237; June 18.
Cardillo, Joseph S., Rochester, N. Y., assignor to Pesco Products Co., Cleveland, Ohio. Two-gear metering pump. 2,400,485; May 21.
Cardinal Products Inc., assignee: See—
Schmitt, George P.
Cardinal, William E., Cherry Lake, Fla. Electrode holder. 2,413,213; Dec. 24.
Cardwell, James R., Barrington, Ill. Draft gear. 2,402,146; June 18.
Cardwell, Lloyd, Oak Park, Ill. Retaining wall. 2,405,289; Aug. 6.
Cardwell, William T., Jr., Whittier, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Treating mud-laden drilling fluids. 2,404,038; July 16.
Carey, Leroy J., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Arm driving mechanism. 2,412,319; Dec. 10.
Carey, Philip, Manufacturing Company, assignee: See—
Perrault, Lewis.
Carey, Philip, Manufacturing Company, The, assignee: See—
Callan, William D.
Greider, Harold W., and MacArthur.
Carhart, Raymond H., assignor to H. Brinton Co., Frankford, Philadelphia, Pa. Fabric take-up and tension circular knitting machines. 2,407,397; Sept. 10.
Carl, Gustav R., assignor of one-half to N. H. Bode, Chicago, Ill. Window. 2,394,982; Feb. 19.
Carlile, Alfred E., Great Neck, N. Y., assignor to Talon, Inc. Reversible automatic lock slider. 2,405,875; Aug. 13.
Carlin, Herbert J., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Modified characteristic relay apparatus. 2,399,322; Apr. 30.
Carlin, Herbert J., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical relay. 2,404,945; July 30.
Carlise, John, New York, N. Y. Fuel saving device for oil heaters. 2,411,504; Nov. 26.
Carlisle, John A.: See—
Cantrall, Forrest L., and Carlisle.
Carlisle, Samuel P., Jr., Elmsford, and A. B. Mundel, White Plains, assignors to Sonotone Corporation, Elmsford, N. Y. Frequency response testing system. 2,401,411; June 4.
Carlisle, William A., Jr.: See—
Goss, Worth C.
Carlisle, William A., Sr., assignee: See—
Goss, Worth C., and O. P. M.
Carliiss, Oswald S., Fairfield, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Dial head unit for weighing and recording scales. 2,411,521; Nov. 26.
Carlsen, Carl E., New York, N. Y. Toy. 2,393,289; Jan. 22.
Carlson, Viggo, Norwich, A. Heinrich, Taftville, and D. L. Ballou, assignors to The Aspinok Corporation, Jewett City, Conn. Continuous printing textiles and the like and apparatus therefor. 2,404,350; July 23.
Carlson, Viggo, Norwich, and A. Heinrich, Taftville, assignors to The Aspinok Corporation, Jewett City, Conn. Doctor blade. 2,404,689; July 23.
Carlsmith, Leonard E., Baton Rouge, La., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,391,944; Jan. 1.
Carlson, Bert G., Gates Mills, assignor to Jack & Heintz, Inc., Bedford, Ohio. Fluid clutch and power transmission. 2,392,120; Jan. 1.
Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Vacuum control check valve. 2,392,458; Jan. 8.
Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Hydraulic speed control governor. 2,404,900; July 30.
Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Automatic pilot directional turn indicator. 2,413,214; Dec. 24.
Carlson, Bert G., Erlieside, assignor to Jack & Heintz, Inc., Bedford, Ohio. Turn, bank, and climb indicator. 2,395,250; Feb. 19.
Carlson, Bert G., Erlieside, assignor to Jack & Heintz, Inc., Bedford, Ohio. Horizon gyro. 2,393,251; Feb. 19.
Carlson, Bert G., Erlieside, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Automatic bank control. 2,405,015; July 30.
Carlson, Carl A., Worcester, Mass., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,403,343; July 2.
Carlson, Carl F., assignee: See—
Glantvalley, Lawton D.
Carlson, Charles N., assignor of forty-five percent to A. L. Simpkins, Glasgow, Mont. Trailer hitch. 2,404,362; July 23.
Carlson, Elmer T., Wyoming, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Bus bar system. 2,411,128; Nov. 12.
Carlson, Ernest J., Reading, Pa. Walking-tread attachment for ice skates. 2,395,394; Feb. 26.
Carlson, Frederick O., Cleveland Heights, assignor of one-half to A. J. Sullivan, Cleveland, Ohio. Flexible tape rule with lock and closure. 2,410,713; Nov. 5.
Carlson, George J.: See—
Ross, William E., and Carlson.
Carlson, Gustaf H., Pearl River, assignor to Lederle Laboratories, Inc., New York, N. Y. Preparation of β -alanine by reduction of cyanoacetic acid. 2,401,547; June 4.
Carlson, Harold, North Franklin, Conn. Picker stick. 2,407,398; Sept. 10.
Carlson, Harold A.: See—
Moseley, James T. W., Carlson, and Szawargulski.
Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,407,534; Sept. 10.
Carlson, Harold A., University City, and O. J. Eickmann, Normandy, assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor device. 2,394,663; Feb. 12.
Carlson, Harold A., University City, and O. J. Eickmann, Normandy, assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,407,535; Sept. 10.
Carlson, J. A., Edwin, assignor to Jacobsen Manufacturing Company, Racine, Wis. Cutter bar for lawn mowers. 2,401,611; June 4.
Carlson, Raymond A., and B. A. Swennes, Rockford, assignors to Borg-Warner Corporation, Chicago, Ill. Hydraulic coupling. 2,402,369; June 18.
Carlson, Robert W., Depew, and M. G. Nicholson, Jr., Snyder, assignors to Colonial Radio Corporation, Buffalo, N. Y. Duplex control circuit. 2,407,399; Sept. 10.
Carlson, Rudolph E., Jacksonville, Fla. Sprinkler head. 2,408,196; Sept. 24.
Carlson, Theodore E., Cumberland, Md., assignor to Celanese Corporation of America. Winding apparatus. 2,403,908; July 16.
Carlson, Vernon E., Camp Hill, assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Apparatus for severing and crimping electrical connectors. 2,396,913; Mar. 19.
Carlson, Vernon E., Short Hills, and T. C. Freedman, Scotch Plains, assignors to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connection. 2,405,111; Aug. 6.
Carlson, Warren F., New Windsor, Ill. Cross wing airplane construction. 2,399,939; July 9.
Carls, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Tuning arrangement. 2,402,948; July 2.
Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. System for and method of aircraft radio communications. 2,403,500; July 9.
Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Crystal detector. 2,410,268; Oct. 29.
Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Reduction of selective fading distortion. 2,413,543; Dec. 31.

- Carlson, Wendell L., Haddonfield, and R. L. Harvey, Collingswood, N. J., assignors to Radio Corporation of America. Metalworking. 2,399,466; Apr. 30.
- Carlson, Wendell L., V. D. Landon, and R. L. Harvey, Princeton, N. J., assignors to Radio Corporation of America. Measuring the velocity of bullets. 2,400,189; May 14.
- Carlström, Bengt, E. Grip, and S. Toorell, assignors to Aktiebolaget Facit, Ärtvidaberg, Sweden. Calculating machine. 2,398,286; Apr. 9.
- Carlstrom, Ellis F., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Timepiece setting mechanism. 2,412,493; Dec. 10.
- Carlton, William C., Ilford, England. Tire preserver. 2,407,473; Sept. 10.
- Carlyle, Howard L., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Safety device for fluid power operated presses. 2,400,486; May 21.
- Carlzen, Carl F. *See* Pifer, Marion J., Carlzen, and McGarvey.
- Carlzen, Carl F., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Ordnance. 2,401,909; June 11.
- Carmel, Alan M., Forest Hills, N. Y. Television system. 2,408,293; Sept. 24.
- Carmichael, Asa B., Tujunga, Calif. Wheeled toy. 2,399,910; May 7.
- Carmichael, Asa B., Sr., Tujunga, Calif. Mechanical toy high diving apparatus. 2,402,949; July 2.
- Carmichael, Asa B., Tujunga, Calif. Vehicle step. 2,409,418; Oct. 15.
- Carmo, John J., Billerica, Mass. Poultry feeder. 2,412,951; Dec. 24.
- Carmody, Don R. *See* Evering, Bernard L., d'Ouville, and Carmody.
- Marschner, Robert F., and Carmody.
- Carmody, Don R., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Production of alkyl aromatics. 2,396,682; Mar. 19.
- Carmody, Don R., Hammond, Ind., and H. E. Huber, assignors to Standard Oil Company, Chicago, Ill. Production of alkylbenzene. 2,396,683; Mar. 19.
- Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Planetary transmission. Re. 22,718; Feb. 12.
- Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Automatic transmission. 2,395,459; Feb. 26.
- Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,399,097; Apr. 23.
- Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Variable-speed transmission control. 2,409,541; Oct. 15.
- Carnagua, Harold E., and C. L. Swift, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,399,098; Apr. 23.
- Carnation Company, assignee: *See*—
- Henszey, Roy O., and Smart.
- Herro, Alexander C., and Smart.
- Carnegie-Illinois Steel Corporation, assignee: *See*—
- Affleck, David C.
- Andrews, John W.
- Billeter, Arno L., and King.
- Current, Farmer
- Dobscha, Herman F.
- Eckel, John A.
- Ehemann, George C., Jr.
- Elliott, Edwin C.
- Gat, John D., and Snyder.
- Gehring, Kurt C., and Puryear.
- Grazier, Doré W.
- Greulich, Gerald G.
- Guy, Charles H.
- Hags, Joseph W.
- Heuschkel, Julius.
- Hilman, George A., and Houk.
- Hume, Patrick H., McGarrity, and Robinson.
- Humes, George
- Hunter, John A., and Mullen, Sr.
- Kling, Fred E.
- Lankford, Howard Y.
- McLaughlin, William H., and Rendel.
- Muddiman, Earl R.
- Peters, Tom J.
- Rendel, George H.
- Stendel, George E.
- Steward, Douglas P.
- Teplitz, Alfred.
- Wells, Joseph H., and Wilson.
- Whitehurst, George A.
- Carney, Clifford R., Miami, Fla., assignor to General Motors Corporation, Detroit, Mich. Ice tray. 2,403,846; July 9.
- Carney, Samuel C. *See*—
- Kudruss, Edward, and Carney.
- Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic conversion of hydrocarbons. 2,408,294; Sept. 24.
- Caron, Louis G., Washington, D. C. Artificial limb. 2,393,142; Jan. 15.
- Caron, Luther J., assignor to Leominster Tool Co., Inc., Leominster, Mass. Injection molding machine. 2,395,100; Feb. 19.
- Caron, Villa, Millinocket, Maine. Oil burner fuel level control. 2,399,099; Apr. 23.
- Carothers, Jean C., Sidney, Ohio. Freezing and carbonating device. 2,411,081; Nov. 12.
- Carpenter, Albert F., Chicago, Ill. Device for prevention of vapor lock in gasoline lines and the like. 2,403,578; July 9.
- Carpenter, Charles R., Robbinsdale, Minn. Apparatus for treating fibrous materials. 2,405,401; Aug. 6.
- Carpenter, Elizabeth C., administratrix: *See*—
- Carpenter, Thomas K.
- Carpenter, Erwin L., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Aliphatic oxynitriles. 2,404,164; July 16.
- Carpenter, Erwin L., Old Greenwich, H. S. Davis, Riverside, and O. F. Wiedeman, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Refining crude olefinic nitriles. 2,404,163; July 16.
- Carpenter, Frank C., Houston, assignor to one-half to Eastman Oil Well Survey Company, Dallas, Tex., and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif. Well deflecting tool. 2,402,238; June 18.
- Carpenter, John H., Williamsport, Pa., assignor to The Aviation Corporation, New York, N. Y. Lubricating system for two-speed transmissions. 2,403,579; July 9.
- Carpenter, Joseph: *See*—
- Booth, Robert B., and Carpenter.
- Carpenter, Miles H., Memphis, Tenn. Building construction. 2,396,828; Mar. 19.
- Carpenter, Miles H., Raleigh, Tenn. Building construction. 2,396,829; Mar. 19.
- Carpenter, Morris T.: *See*—
- Bahlke, William H., and Carpenter.
- Carpenter, Richard M., assignor to Flexible Steel Lacing Company, Chicago, Ill. Cutting tool. 2,413,544; Dec. 31.
- Carpenter, Rupert E. H.: *See*—
- Terry, Robert S. G.
- Carpenter, Rupert E. H., South Croydon, England. Electromagnetic device. 2,412,123; Dec. 3.
- Carpenter, Theodore H., New London, Conn., assignor to United States of America as represented by the Secretary of the Navy. Impact operated release mechanism. 2,395,252; Feb. 19.
- Carpenter, Thomas E., deceased, New York, N. Y.; E. C. Carpenter, administratrix. Feed control for liquid refrigerant. 2,393,854; Jan. 29.
- Carpenter, Victor W.: *See*—
- Gifford, Carl E., and Cook.
- Carpenter, Walter E., West Caldwell, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Glow lamp. 2,402,019; June 11.
- Carr, Bradley S., Chicago, and A. L. Blakemore, Glenwood, Ill., assignors to American Brake Shoe Company. Chain. 2,403,635; July 9.
- Carr, Donald E., assignor to Union Oil Company of California, Los Angeles, Calif. Precombustion cracking process. 2,399,540; Apr. 30.
- Carr, Edward L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Composition of matter. 2,393,500; Jan. 22.
- Carr, Edward L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Composition of matter. 2,393,507; Jan. 22.
- Carr, Uriah H., Winston-Salem, N. C. Low altitude parachute. 2,399,100; Apr. 23.
- Carrier Corporation, assignee: *See*—
- Ashley, Carlyle M.
- Galsen, Henry L.
- Gerteis, Karl M.
- Schulz, Edward L.
- Seid, Herman
- Trumpler, William E.
- Carrington, Beatrice N., Retford, England. Novel or improved means for use more especially in displaying and changing musical score. 2,401,612; June 4.
- Carrington, Frank G., assignor to M. Kuliarsky, Lynchburg, Va. Apparatus for casting annular articles. 2,412,601; Dec. 17.
- Carroll, Burt H.: *See*—
- Widmer, Jules A., and Carroll.
- Carroll, Burt H., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitized photographic emulsion. 2,395,846; Mar. 5.
- Carroll, Burt H., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitized photographic emulsion. 2,398,778; Apr. 23.
- Carroll, Charles V., assignor to Wm. Bros. Boller & Manufacturing Co., Minneapolis, Minn. Gate. 2,403,787; July 9.
- Carroll, Clarence M., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter drive and timing mechanism. 2,410,629; Nov. 5.
- Carroll, Clarence W., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter drive mechanism. 2,394,409; Apr. 16.
- Carroll, Clarence W., assignor to Eastman Kodak Company, Rochester, N. Y. Rotary shutter driver. 2,412,673; Dec. 17.
- Carroll, Francis E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 2,399,000; Apr. 23.

- Carroll, Hubert O., Painesville, Ohio. Convertible combination storm sash and screen. 2,405,112; Aug. 6.
- Carroll, Thomas, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Shaker shoe for grain threshers. 2,395,163; Feb. 19.
- Carruth, Herman A.: *See*—
Williamson, Marshall L., and Carruth.
- Carruthers, Thomas F., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. 2-ethylhexyl phosphates. 2,406,802; Sept. 3.
- Carson, Benjamin R., Haddonfield, and K. J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America. Phonograph. 2,412,441; Dec. 10.
- Carson, Charles E., Sharon, Mass. Electrical connector. 2,410,961; Nov. 12.
- Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Rubber derivative products. 2,413,432; Dec. 31.
- Carson, George J., Worcester, Mass., assignor to O. S. Walker Company, Inc. Magnetic swivel work holder. 2,409,017; Oct. 8.
- Carson, George L., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electric motor. 2,406,193; Aug. 20.
- Carson, Gordon B., assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Distributor. 2,399,165; Apr. 30.
- Carson, Howard: *See*—
Geyer, Howard M., and Carson.
- Carson, Robert E., Arlington, Mass., assignor to the Government of the United States. Floor construction. 2,404,471; July 23.
- Carson, Russell M., et al., assignees: *See*—
Hilker, Frank T.
- Carson, William L., assignor to Washington Iron Works Seattle, Wash. Controlled chilling of precision metal parts. 2,396,940; Mar. 19.
- Carstedt, Volney E.: *See*—
Hetzler, Frank L., and Carstedt.
- Carstens, Fritz A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Making crankshafts by electric welding. 2,403,049; July 2.
- Carswell, Thomas S., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Container. 2,409,252; Oct. 15.
- Carten, Leo A., Washington, D. C. Belt link for cartridges. 2,395,460; Feb. 26.
- Carter, Bernard W., Montclair, N. J., assignor to General Chemical Company, New York, N. Y. Manufacture of oleum. 2,394,426; Feb. 5.
- Carter Carburetor Corporation, assignee: *See*—
Bicknell, George M.
Boller, Henry A.
Boyce, Leonard D.
Carlson, Harold A., and Eickmann.
Cleody, Fred W., and Mahne.
Eberhardt, Howard.
Ericson, George H.
Hessler, Oliver H.
Hodges, Ralph, and Klasey.
Jones, Mالدwyn E.
Korte, Alfred C.
Luke, Oliver J.
Markam, Charles E., and Martin.
Martin, Charles L.
Moseley, James T. W., Carlson and Szwargulski.
Read, Leland B.
Weakley, John F.
- Carter, Clarence F., Danville, Ill. Jacking attachment for front wheels. 2,413,289; Dec. 31.
- Carter, Clarence F., Danville, Ill. Jacking attachment for rear wheels. 2,413,290; Dec. 31.
- Carter, Clinton W., Allison Park, Pa. Making soluble concentrates of coffee. 2,398,061; Apr. 9.
- Carter, David E., Oklahoma City, Okla. Impact dampener. 2,393,750; Jan. 29.
- Carter, Franklin Y.: *See*—
Dillman, Earnest J., and Carter.
- Carter, Franklin Y., Detroit, Mich., assignor to Detroit Lubricants Company. Refrigerating apparatus. 2,402,802; June 25.
- Carter, Franklin Y., Detroit, Mich., assignor to Detroit Lubricants Company. Refrigerant distributing means. 2,409,661; Oct. 22.
- Carter, Frederick, and D. C. Taylor, Westhill, Ontario, Canada. Dyeing machine. 2,410,336; Oct. 29.
- Carter, John C.: *See*—
Lazar, Arthur, and Carter.
- Carter, Joseph E., Huntington, and R. K. Gensler, Guyandotte, W. Va., assignors to International Nickel Company, Inc., New York, N. Y. Operating reduction-melting furnaces. 2,413,215; Dec. 24.
- Carter, Joseph H., et al., assignees: *See*—
Kinney, Selwyn E.
- Carter, Latt J., Kannapolis, N. C., assignor to Graton & Knight Company, Worcester, Mass. Making check-strips. 2,405,194; Aug. 20.
- Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Erection device for gyroscopes. 2,408,044; Sept. 24.
- Carter, Leslie F., Leonia, N. J., and F. West, Jr., Roslyn, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Torque exerting means. 2,412,204; Dec. 10.
- Carter, Lionel A., Webster Groves, Mo. Self-locking bolt or nut. 2,403,402; Aug. 6.
- Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. Broadcast antenna. 2,403,909; July 16.
- Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. High-frequency transducer system. 2,409,542; Oct. 15.
- Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna system. 2,407,057; Sept. 3.
- Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna system. 2,412,320; Dec. 10.
- Carter, Richard P., Elmsere, assignor to Hercules Powder Company, Wilmington, Del. Preparation of ethyl chloride. 2,396,639; Mar. 19.
- Carter, Robert J. S., Minneapolis, Minn., assignor to Pillsbury Mills, Inc. Milling process. 2,392,365; Jan. 8.
- Carter, Shirley J., Hayward, Calif., assignor to Titeflex, Inc. Forming corrugated tube from a strip. 2,406,943; Sept. 3.
- Carter, William R., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn. Voltage regulator. 2,412,124; Dec. 3.
- Cartledge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Material gathering and loading machine. 2,399,101; Apr. 23.
- Cartledge, John K., assignor to The Cincinnati Mine Machinery Company, Cincinnati, Ohio. Cutter chain. 2,399,168; Apr. 30.
- Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp holder. 2,405,815; Aug. 13.
- Cartwright, Harold N., Solihull, J. G. Davies, Birmingham, and R. H. Patterson, Solihull, England. Walls and ceilings of buildings. 2,403,580; July 9.
- Caruso, Mario, Maplewood, N. J., assignor to The Lionel Corporation, New York, N. Y. Figure toy and making the same. 2,392,227; Jan. 1.
- Caruthers, Eugene W., Secane, Pa. Lubricated rail joint. 2,406,452; Aug. 27.
- Carver Cotton Gin Company, Division of The Murray Company, assignee: *See*—
Graebe, Herman C.
- Carver, Fred S., Short Hills, N. J. Valve for controlling high-pressure fluids. 2,399,102; Apr. 23.
- Carver, Fred S., Short Hills, N. J. Pressing apparatus. 2,404,165; July 16.
- Carwile, Sylvia C., Roanoke, Va. Shield for medicinal needles. 2,393,143; Jan. 15.
- Cary, Francis C.: *See*—
Hybinette, Sven E., and Cary.
- Cary, Philip, Manufacturing Company, assignee: *See*—
Smith, Marion F., and Graeber.
- Casabiancas High Draft Company Limited, assignee: *See*—
Noguera, Joseph.
- Casalino, Joseph, Elmhurst, assignor to J. H. Meyer Brothers, Brooklyn, N. Y. Cutting mechanism for molded plastics. 2,392,459; Jan. 8.
- Casalino, Joseph, Forest Hills Gardens, Long Island, N. Y., assignor to Dielplast Corporation, New York, N. Y. Hand mirror mount. 2,404,472; July 23.
- Casano, Raymond C., Chicago, Ill. Battery holder. 2,397,469; Apr. 2.
- Case, Emerson E., Perry, N. Y. Knife sharpener. 2,413,169; Dec. 24.
- Case, Irvin L., Steubenville, Ohio, assignor to National Steel Corporation. Magnetic control. 2,406,489; Aug. 27.
- Case, J. I., Company, assignee: *See*—
Borshelm, Hans T.
Kranich, Frank N. G., and Hansen.
Leland, Alfred W.
MacGregor, Wallace F.
Magee, Kenneth L.
Markel, John M.
Richardson, Martin A.
Russell, Stanley D.
Rutter, Alvah E.
Schroepfel, Paul R.
- Case, Lynn B., Bound Brook, assignor to John Waldron Corporation, New Brunswick, N. J. Surfacing metal rolls. 2,391,161; Feb. 19.
- Case, Nelson P., Great Neck, N. Y., assignor to Hazeltine Corporation. Carrier-wave generating system. 2,398,694; Apr. 16.
- Case, Rogers, Orange, N. J. Wire-transposing device. 2,406,663; Aug. 27.
- Casella, Secondo L., assignor to Morey Machinery Co., Inc., New York, N. Y. Cross slide. 2,403,581; July 9.
- Casella, Secondo L., Brooklyn, assignor to Morey Machinery Co., Inc., Astoria, Long Island, N. Y. Intermittent feed change mechanism. 2,406,664; Aug. 27.
- Casella, Secondo L., and M. G. Hilmoff, assignors to Morey Machinery Co., Inc., New York, N. Y. Automatic tool block. 2,392,228; Jan. 1.
- Caselle, Raffaele, Rapolla, Italy; vested in the Allen Property Custodian, Swimming and life saving equipment. 2,392,576; Jan. 8.

- Caserta, Michele, Detroit, Mich., assignor to Thompson Products, Inc. Shaft seal. 2,404,690; July 23.
- Caserta, Michele, Detroit, Mich., assignor to Thompson Products, Inc. Apparatus for and method of smoothing pump bores. 2,411,851; Dec. 3.
- Casey, Charles L.: *See—*
- Byno, Judson B. and Casey. Miniature ornamental enclosure. 2,394,748; Feb. 12.
- Casey, Matthew A., Montclair, N. J. Ladder attachment. 2,398,617; Apr. 16.
- Cash, A. W., Company, assignee: *See—*
- Temple, Paul C.
- Cash, Charles R. P., Canton, N. C. Agitator for cascade evaporators. 2,403,211; July 2.
- Cashman, Aloysius F.: *See—*
- Lieber, Eugene, and Cashman. Hair-waving device. 2,400,102; May 14.
- Casler, Roger H., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,395,593; Feb. 26.
- Caspers, Tin Plate Company, assignee: *See—*
- Domville, Charles H., Jr., and Gray.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl chloride and trichlorethylene. 2,397,724; Apr. 2.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of the higher chlorides of methane. 2,406,195; Aug. 20.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinated resins. 2,408,608; Oct. 1.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resins of high chlorine content. 2,408,609; Oct. 1.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated organic compounds. 2,412,389; Dec. 10.
- Cass, Thomas F., Jr., Wayne, assignor to Container Corporation of America, Chicago, Ill. Siftproof carton. 2,406,061; Aug. 20.
- Cassen, Benedict, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resonator. 2,400,976; May 28.
- Cassia, Joseph P., Jr., East Boston, Mass. Toolholder. 2,391,878; Jan. 1.
- Cassidy, Joseph J., Fort Wayne, Ind. Rod support for reinforced concrete structures. 2,409,342; Oct. 15.
- Cassidy, Perry R., Dayton, Conn., assignor to The Babcock & Wilcox Company, Jersey City, N. J. Heat transfer apparatus and manufacture. 2,404,826; July 30.
- Cassil, Carroll C.: *See—*
- Hansen, James W., and Cassil.
- Castedello, William J., Schwartz, Hyman, and Castedello. Schwartz, Morris, and Castedello.
- Castedello, William, assignor to The Kalart Company, Inc., Stamford, Conn. Range finder. 2,401,746; June 11.
- Caster, William F., assignee: *See—*
- Bechik, Michael.
- Castle, Boyd F., assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Oil burner. 2,395,655; Feb. 26.
- Castle, Boyd F., assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Oil burner. 2,404,039; July 16.
- Castner, James B., Wilmington, Del., and W. M. Nagle, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process. 2,399,206; Apr. 30.
- Castner, Robert C.: *See—*
- Anderson, John, and Castner.
- Castor, Wilbur W., Mount Lebanon, Pa. Apparatus for plating finely divided material. 2,398,517; Apr. 16.
- Castricum, Martin, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Tire tread cover. 2,392,577; Jan. 8.
- Catalin Corporation of America, assignee: *See—*
- Magrane, John K., Esterly, and Davies.
- Caterpillar Tractor Co., assignee: *See—*
- Burks, George E.
- Johnson, Lloyd E.
- Johnson, Lloyd E., and Maxwell.
- Rosen, Carl G. A., and Maxwell.
- Starr, Oscar L.
- Cathodeon Limited, assignee: *See—*
- Liebmann, Gerhart.
- Catlin, John P., Fairfield, G. R. Eckstein, Bridgport, and M. R. Vordahl, Fairfield, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Tool. 2,394,842; Feb. 12.
- Caton, Harley A., Omaha, Nebr. Portable carrying device. 2,399,786; May 7.
- Catron, Oliver G., Barboursville, Ky. Wood bending apparatus. 2,399,427; Apr. 30.
- Cattaneo, Alfred G.: *See—*
- Kraus, Theodore W., and Cattaneo.
- Stanly, Albert L., and Cattaneo.
- Cauchaner, David, Buenos Aires, Argentina. Heating stove for closed rooms or the like. 2,397,470; Apr. 2.
- Caudill, Howard F., Oak Park, assignor to Western Foundation Company, Chicago, Ill. Power hammer. 2,403,525; Apr. 9.
- Caughan, William K., Madison, and K. D. Swartzel, Murray Hill, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic recorder. 2,402,985; July 2.
- Causey, George W., Pittsburgh, Pa. Scaffold structure and the like. 2,397,741; Mar. 26.
- Cavallaro, Ralph C., Branford, Conn. Counter drive for dual propellers. 2,395,610; Feb. 26.
- Cavallero, Luis J.: *See—*
- Ziegler, Marc, Visscher, and Cavallero.
- Cavallito, Chester J., Rensselaer, N. Y., assignor to Wing-foot Corporation, Akron, Ohio. Cooking and packaging. 2,398,082; Apr. 9.
- Cavallito, Chester J., Rensselaer, N. Y., assignor to Wing-foot Corporation, Akron, Ohio. Film containing iodine. 2,400,389; May 14.
- Cavanagh, John, assignor to Hat Corporation of America, Norwalk, Conn. Fabric hat and making the same. 2,408,610; Oct. 1.
- Cavanagh, John F., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Aerial flare. 2,394,896; Feb. 12.
- Cavanagh, John F., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Aerial flare. 2,394,897; Feb. 12.
- Cavanaugh, Edward B., Philadelphia, Pa. Toy airplane. 2,401,459; June 4.
- Cavanaugh, Robert M., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Slurry filtration. 2,404,215; July 16.
- Cavanes, James D., Arlington, Tex. Sucker rod tightener. 2,409,104; Oct. 8.
- Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Formation of brushes. 2,400,809; May 21.
- Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Color flicker reducing apparatus. 2,393,235; Jan. 22.
- Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Modulation system. 2,395,102; Feb. 19.
- Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Television signal separator. 2,399,593; Apr. 30.
- Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Automatic volume control. 2,400,073; May 14.
- Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Television signal amplifier. 2,405,290; Aug. 6.
- Cawood, William H., Middlesboro, Ky. Footrest for embalming tables. 2,407,948; Sept. 17.
- Caylor, Daniel A., Suspension, Ala. Grass and weed destroyer. 2,403,847; July 9.
- Ceader, Joseph D., East Cleveland, Ohio, assignor to General Electric Company. Safety lamp. 2,400,916; May 28.
- Ceco Steel Products Corporation, assignee: *See—*
- Machamer, Hobart E.
- Cedillo, Nicasio G., Mexico City, Mexico. Submarine. 2,398,174; Apr. 9.
- Cefoil Limited, assignee: *See—*
- Cunningham, George E., Chamberlain, and Speakman.
- Speakman, John B., and Chamberlain.
- Celanese Corporation of America, assignee: *See—*
- Bludworth, Joseph E.
- Bludworth, Joseph E., and Easter.
- Croft, Cyril M., and Cramer.
- Croft, Cyril M., and Hindle.
- Croft, Cyril M., Hindle, and Pinault.
- Croft, Cyril M., and Waller.
- Dodge, Frederick G.
- Donahoe, Joseph R.
- Dreyfus, Camille, and Andersen.
- Dreyfus, Henry.
- Elvin, William J.
- Folsom, Noel J., and Martin.
- Haney, Clifford I., and Martin.
- Haney, Clifford I., Martin, and Andrews.
- Howarth, Harmon, and Holt.
- Kloran, James J.
- Lippmann, Daniel C.
- Lyenn, Arthur.
- Mellor, Albert, and Martin.
- Platt, Herbert, and Croft.
- Reel, Raymond D.
- Schlessler, Fred J.
- Schneider, George, and Martin.
- Seymour, George W., and Broda.
- Seymour, George W., and Salvin.
- Seymour, George W., and Ward.
- Sitzler, Richard R., and Bludworth.
- Stahl, Elmer E., Schulte, and Elvin.
- Thompson, Robert F.
- Ward, George C., and Pull.
- Celesta, Raquel: *See—*
- Sorla, Alberto M., and Celesta.

- Celestin, William E., New York, N. Y. Cigarette container. 2,410,200; Oct. 29.
- Cellu-Service Corporation, assignee: *See*—Reeves, John P.
- Celmer, Boleslava H., Detroit, Mich. Toe-dancer slipper or shoe. 2,400,534; May 21.
- Celmer, Boleslava H., Detroit, Mich. Skate. 2,400,535; May 21.
- Celotex Corporation, The, assignee: *See*—Burt, George H.
- Irvine, Fergus A., and Frederick Jones, William R. Krcjci, Samuel Muench, Carl G. Sorensen, Louis N.
- Central Commercial Company, assignee: *See*—Langer, Nicholas.
- Larsen, Merwin J. Schjonberg, and Oswald.
- Central Scientific Company, assignee: *See*—Hornberger, Carl S.
- Centrifugal & Mechanical Industries, Inc., assignee: *See*—Hove, Andrew F.
- Century Mills, assignee: *See*—Schreiber, Max, and Stebbins.
- Cepek, William: *See*—Ballard, William C., Jr., Coron, and Cepek.
- Cerf, Robert C., assignor to Pacific Plastic and Manufacturing Company, Los Angeles, Calif. Door latch. 2,407,133; Sept. 3.
- Cerny, George: *See*—Albrecht, Edmund C., and Cerny.
- Cerny, Joseph J.: *See*—Holleran, Dominic J., and Cerny.
- Certain-Teed Products Corporation, assignee: *See*—Gardner, Harry F.
- Ceslowitz, Abraham, New York, N. Y. Resilient construction for articles of furniture. 2,398,769; Apr. 23.
- Chace, W. M., Company, assignee: *See*—Carlson, Theodore E.
- Hall, John L., and Santolla Plunkett, Brian.
- Chadsey, Fred P., Fullmore, Calif. Airplane deicing and engine silencing construction. 2,396,684; Mar. 19.
- Chadwick, Cecil G.: *See*—Crafts, Walter, and Chadwick.
- Chadwick, George A.: *See*—Sinton, William, Sherman, and Chadwick.
- Chadwick, George A., Washington Grove, Md., and P. H. Girouard, Washington, D. C. Gun slide trunnion bearing. 2,396,247; Mar. 12.
- Chafee, Earl W., New York, assignor to Sperry Gyroscope Company, Inc., Brooklyn, New York. Range finder. 2,397,532; Apr. 3.
- Chain Belt Company, assignee: *See*—Gauthier, Robert S.
- McMillan, Andrew.
- Sivyer, Benjamin E.
- Smith, Horace L., Jr., Conley, and Atwood.
- Chalmers, Edward J., (judicial change of name): *See*—Chmielowiec, Edward J.
- Chalmers, Henry B., New York, N. Y. Producing magnesium compounds. 2,402,370; June 18.
- Chalmers, Nellie: *See*—Chmielowiec, Edward J.
- Chamberlain, Blanchard G.: *See*—Campbell, Chester W., and Chamberlain.
- Chamberlain, Clark W., East Lansing, Mich. Method and apparatus for molecular absorption of vibration. 2,407,400; Sept. 10.
- Chamberlain, Earl B., Fort Wayne, and R. M. Kolter, Decatur, Ind. Theft proof fill pipe closure. 2,411,505; Nov. 26.
- Chamberlain, Harold, Sr., assignee: *See*—Wintsch, Max T.
- Chamberlain, Harold B.: *See*—Kinnear, Reginald A., Chamberlain, McCanne, Fails, and Gordon.
- Chamberlain, Harold L.: *See*—Wanamaker, Elmer M., Cromwell, and Chamberlain.
- Chamberlain, James M. W., Akron, Ohio. Sealing ring and assembly comprising the same. 2,396,491; Mar. 12.
- Chamberlain, Norman H.: *See*—Cunningham, George E., Chamberlain, and Speakman.
- Speakman, John B., and Chamberlain.
- Chambers, Francis S., Jr., Woodbury, N. J., and R. N. Gartside, St. Louis, Mo., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentration of nitric acid. 2,403,050; July 2.
- Chambers, Leslie A., Drexel Hill, and H. K. Hartline, Media, assignors to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Electrophoresis apparatus. 2,412,602; Dec. 17.
- Chambers, Thomas S.: *See*—Boettger, Charles R., Jr., Chambers, and Slotterbeck.
- Chambers, Victor S.: *See*—Whitehouse, Irving, and Chambers.
- Chambers, Worthy L., assignor to Novex Corporation, Chicago, Ill. Projection machine. 2,391,379; Jan. 1.
- Champagne Paper Corporation, assignee: *See*—Goepfert, Otto F.
- Goepfert, Otto F., Straus, and Clayton.
- Champion Paper and Fibre Company, The, assignee: *See*—Gates, Louis E.
- Champlin, Walter B., Detroit, Mich. Surface layout gauge. 2,412,870; Dec. 17.
- Chance Brothers and Co., Limited, assignee: *See*—Wheat, William N., and Bullock.
- Chance Brothers Limited, assignee: *See*—Bastick, Raymond E., Hampton, and Wang.
- Chandler, Bruce C., Waukegan, and W. O. Bell, Libertyville, Ill., assignors to Pfanstiel Chemical Company, Forming metal bonded abrasive articles. 2,395,461; Feb. 26.
- Chandler, Clarence C., Kingsville, Tex. Steam generator. 2,402,803; June 25.
- Chandler, Daniel L., Salem, assignor to Aresce Company, Inc., Swampscott, Mass. Ventilator mechanism for automobile doors. 2,404,432; July 23.
- Chandler, Edward F., Brooklyn, N. Y. Repeating rocket gun. 2,391,864; Jan. 1.
- Chandler, Edward F., Brooklyn, N. Y. Self-propelled projectile. 2,391,865; Jan. 1.
- Chandler, Edward F., Brooklyn, N. Y. Cooling system for diesel engines. 2,392,723; Jan. 8.
- Chandler, Edward F., Brooklyn, N. Y., assignor to J. P. Chandler, trustee. Heating apparatus and system. 2,399,467; Apr. 30.
- Chandler, Edward F., Brooklyn, N. Y., assignor to J. P. Chandler, as trustee. System of heating. 2,399,985; May 7.
- Chandler-Evans Corporation, assignee: *See*—Chandler, Milton E.
- Curk, Ralph D.
- Hunt, Scott P.
- Lee, Leighton, II.
- Lipfert, Donald E.
- Lockwood, Harry A.
- Silver, Jacob S.
- Chandler, Edward D., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe and making the same. 2,407,224; Sept. 10.
- Chandler, James H., Oak Park, Ill., assignor to Ekco Products Company. Pressure cooker. 2,407,627; Sept. 17.
- Chandler, John P., trustee, assignee: *See*—Chandler, Edward F.
- Chandler, Milton E., New Britain, assignor to Chandler-Evans Corporation, South Meriden, Conn. Carburetor. 2,393,144; Jan. 15.
- Chandler, Milton E., New Britain, assignor to Chandler-Evans Corporation, South Meriden, Conn. Control apparatus. 2,394,664; Feb. 12.
- Chandler, Milton E., New Britain, Conn., assignor to Chandler-Evans Corporation. Anticorrosion plug. 2,406,993; Sept. 3.
- Chandler, Milton E., New Britain, assignor to Chandler-Evans Corporation, South Meriden, Conn. Engine signal apparatus. 2,407,134; Sept. 3.
- Chandler, Milton E., New Britain, Conn., assignor to Chandler-Evans Corporation. Fuel control mechanism. 2,410,773; Nov. 5.
- Chandler, Milton E., New Britain, Conn., assignor to Chandler-Evans Corporation. Fuel injection metering mechanism. 2,410,774; Nov. 5.
- Chandler, Milton E., Birmingham, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,393,290; Jan. 22.
- Chandler & Price Company, The, assignee: *See*—Jirousek, Joseph F.
- Root, Charles F.
- Chaney, David H., U. S. Army, Cass County, N. Dak. Control system for remotely positioned radio apparatus. 2,410,426; Nov. 5.
- Chaney, Newcomb K., Rose Valley-Moylan, Pa., assignor to The United Gas Improvement Company. Recovery of olefins and/or diolefins from hydrocarbon mixtures containing same. 2,395,954; Mar. 5.
- Channing, Robert, Company, assignee: *See*—Levaggi, Albert F.
- Chantemerle, Pierre: *See*—Wittkubus, Bruno A., and Chantemerle.
- Chantland, Alfred, Badger, Iowa. Elevator. 2,403,636; July 9.
- Chapin, Bryan W., Kenmore, assignor to Spiesch Tool and Manufacturing Company, Inc., Buffalo, N. Y. Electrical remote control device. 2,400,339; May 14.
- Chapin, Charles H., Chicago, Ill. Spring suspension. 2,413,291; Dec. 31.
- Chapin, Edward K., assignor to Beatrice Creamery Company, Chicago, Ill. Commutated shortening. 2,392,833; Jan. 15.
- Chapin, Edwin D., assignor to H. B. Albert, New York, N. Y. Igniter for internal-combustion engines. 2,407,474; Sept. 10.
- Chapin, Darle F., South Portland, Maine. Molded fiber edge forming apparatus. 2,408,734; Oct. 8.
- Chapman, Archibald J., Grosse Pointe, Mich., assignor to Eureka Williams Corporation. Demonstrating device for vacuum cleaners. 2,404,040; July 16.
- Chapman, Edward L., assignee: *See*—Statta, Edwin V., Sr.
- Chapman Electric Neutralizer Company, assignee: *See*—Chapman, William H.

- Chapman, Everett, West Chester, Pa. Method and apparatus for cranial operations. 2,401,548; June 4.
- Chapman, Frederick W., assignor to General Motors Corporation, Detroit, Mich. Compass. 2,407,536; Sept. 10.
- Chapman, Harvey G., Jr.: *See*—
Brant, Walter R., and Chapman.
- Chapman, James B., Phoenix, Ariz., assignor to The Garrett Corporation, Los Angeles, Calif. Power operated actuator. 2,407,537; Sept. 10.
- Chapman, James E., Los Angeles, and G. A. Bussiere, assignors to North American Aviation, Inc., Inglewood, Calif. Ammunition feed booster. 2,403,170; July 2.
- Chapman, Paul, Bayside, N. Y. Bridge construction. 2,402,124; June 4.
- Chapman, Paul, New York, N. Y. Bridge construction. 2,402,125; June 18.
- Chapman, Thomas S., Chicago, Ill., assignor to Standard Oil Development Company. Drilling method and fluid for use therein. 2,399,986; May 7.
- Chapman, William H., assignor to Chapman Electric Neutralizer Company, Portland, Maine. Neutralizing apparatus and manufacture of same. 2,392,808; Jan. 15.
- Chappell, Bartlett H. S., Hurley, N. Y. Treating oils and fats. 2,410,427; Nov. 5.
- Charch, William H., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer compositions and their preparation. 2,404,726; July 23.
- Charchian, Benjamin M., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Modulation control. 2,402,598; June 25.
- Charchian, Benjamin M., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Inductive coupling. 2,402,599; June 25.
- Charis Corporation, assignee: *See*—
Glines, Carl R.
Isen, Hulda M.
- Charland, Albert H., Rosemont, assignor to Philco Corporation, Philadelphia, Pa. Refrigeration. 2,401,460; June 4.
- Charland, Albert H., Rosemont, assignor to Philco Corporation, Philadelphia, Pa. Refrigeration. 2,401,613; June 4.
- Charles, George K., Wincanton, Somerset, England. Device for sealing cylindrical cans or similar containers. 2,401,461; June 4.
- Charles, Hubert N., Edgbaston, Birmingham, assignor to The Austin Motor Company Limited, Northfield, Birmingham, England. Valve guide of internal-combustion engine. 2,403,260; July 2.
- Charlton, Ralph W.: *See*—
Spitzil, Donald H., and Charlton.
- Charlton, William S. G., Jarrett, and E. E. Walker, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Treatment of paper or textile fabrics. 2,406,453; Aug. 27.
- Charlton, William S. G., Jarrett, and E. E. Walker, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Treatment of paper or textile fabrics. 2,406,454; Aug. 27.
- Charrier, George M., Collingswood, N. J., assignor to Radio Corporation of America. Cathode ray sweep circuit. 2,407,475; Sept. 10.
- Chase Brass & Copper Co., Incorporated, assignee: *See*—
Cibs, Anthony F.
Shoemaker, Richard W.
- Chase, Corson W., Marion, Ind., assignor to Chicago Pump Company. Variable volute chamber centrifugal pump. 2,396,083; Mar. 5.
- Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,399,170; Apr. 30.
- Chase, Jesse A., Kansas City, Mo. Ladder extension. 2,408,372; Oct. 1.
- Chatehain, Oscar: *See*—
Derungs, Ernest A., and Chatehain.
- Chatfield, Franklin, assignor to Munsingwear, Inc., Minneapolis, Minn. Apparatus for shrinking fabrics. 2,409,543; Oct. 15.
- Chatfield, Henry B., Southern Pines, N. C. Clamp. 2,395,656; Feb. 26.
- Chatfield, John N.: *See*—
Opryshek, Karl, and Chatfield.
- Chatterjee, Prafulla K., and L. W. Houghton, London, W. C. 2, assignors to Standard Telephones and Cables Limited, London, England. High frequency electrical communication system. 2,406,803; Sept. 3.
- Chatterjee, Prafulla K., and C. T. Scully, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Negative resistance device for generating oscillations or reducing damping. 2,406,804; Sept. 3.
- Chatterjee, Prafulla K., C. T. Scully, and E. M. Ambrose, assignors to Standard Telephones and Cables Limited, London, England. Arrangement for determining and monitoring the duration of electrical pulses. 2,412,963; Dec. 24.
- Chatterjee, Prafulla K., and L. W. Houghton, assignors to Standard Telephones and Cables Limited, London, England. Secrecy communication system. 2,412,964; Dec. 24.
- Chauvet, Albert L., Piedmont, Calif. Universal sextant. 2,411,870; Dec. 3.
- Chavannes, Marc A., Kingston, N. Y. Ventilator for rain-coats and the like. 2,400,627; May 21.
- Chavannes, Marc A., Genthod, Switzerland, assignor to American Textile Corporation, Dover, Del. Method of and apparatus for producing elastic fabrics. 2,397,838; Apr. 2.
- Chavayda, Joseph J., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,398,618; Apr. 16.
- Chavez, Reinaldo C., Santa Rosa, N. Mex. Explosive shell. 2,406,135; Aug. 20.
- Cheasley, Thomas C., Kansas City, Mo. Combination retort and hearth for stokers. 2,392,460; Jan. 8.
- Cheasley, Thomas C., Kansas City, Mo. Heater. 2,399,855; Jan. 29.
- Chechot, Vladimir L., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbon oils. 2,402,804; June 25.
- Chechot, Vladimir L., Philadelphia, and L. S. Howe, Drexel Hill, assignors to The Atlantic Refining Company, Philadelphia, Pa. Production of oil solutions of alkaline earth metal sulphates. 2,401,614; June 4.
- Cheek, Robert C.: *See*—
Derr, Willard A., and Cheek.
- Cheek, Robert C., East Liberty, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Signaling device. 2,395,021; Jan. 15.
- Chemical Concentrates Corp., assignee: *See*—
Levin, David.
- Chemical Construction Corporation, assignee: *See*—
Hitchon, Carl K., and Pennell.
Mohr, Albert C.
Schideler, Pierre, and Richardson.
Tittestad, Nicolay.
- Chemical Development Company, assignee, et al.: *See*—
Pattilloch, Donald K.
- Chemical Development Corporation, assignee: *See*—
Lauces, Enrique L., and Crosby.
Strickland, Elizabeth D.
Toulmin, Harry A., Jr.
- Chemical Developments Corporation, assignee: *See*—
Lauces, Enrique L.
- Chemical Foundation, Incorporated, The, assignee: *See*—
Hixson, Arthur W., and Miller.
- Chemical Foundation, Incorporated, The, assignee, trustee: *See*—
Hixson, Arthur W., and Miller.
- Chemical Service Company, assignee: *See*—
Munn, John E.
- Cheney, Harry A.: *See*—
McMillan, Frank M., and Cheney.
- Cheney, Harry A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Manufacture of supported catalysts. 2,407,813; Sept. 17.
- Cheney, Harry A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Catalysts. 2,407,814; Sept. 17.
- Cheney, Harry A., and F. M. McMillan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Isomerizing hydrocarbons. 2,394,898; Feb. 12.
- Cheney, Lee C., Detroit, and W. G. Bywater, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Substituted diphenyl acetate compounds and preparing same. 2,398,410; Apr. 16.
- Chenick, Albert G.: *See*—
Strain, Franklin, Chenick, and Muskat.
- Chenick, Albert G., Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Forming rigid sheets of polymerized unsaturated compounds. 2,392,578; Jan. 8.
- Chenick, Albert G., Elmhurst, Long Island, N. Y., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated derivatives of carbanic acid. 2,394,592; Feb. 12.
- Chenick, Albert G., Elmhurst, Long Island, N. Y., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated carbamate and polymers thereof. 2,401,549; June 4.
- Chenick, Joseph A.: *See*—
Thomson, Ralph B., and Chenick.
- Chenick, Joseph A., and R. B. Thompson, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of isoparaffins. 2,405,490; Aug. 6.
- Cherba, Samuel: *See*—
Gronemeyer, Erich, and Cherba.
- Cherry-Burrell Corporation, assignee: *See*—
Horneman, Herman C., Hussion, Quam, and Hammer.
Lippold, Adolph J.
Wildermuth, James A.
- Cherry-Burrell Corporation, assignee, et al.: *See*—
Lundal, Ingie J., and Robichaux.
- Cherry, George L., Western Springs, and C. C. Venale, Wheaton, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Die casting apparatus. 2,393,588; Jan. 29.
- Cherry, John: *See*—
Zimbelman, George W., and Cherry.
- Cherry Rhet Company, assignee: *See*—
Keating, Herbert J.
Shaff, Ernest H.

- Cherry, Sidney J., East Orange, L. C. Werner, Bloomfield, and W. J. Knochel, Irvington, N. J., assignors to Westinghouse Electric Corporation. Electronic device. 2,398,578; Apr. 16.
- Chesebrough Manufacturing Company, Consolidated, assignee: *See*—
- Beal, George D., and Emery, Steenberg, Charles.
- Chester, Arthur C., Los Angeles, Calif. Propeller spinner attaching device. 2,394,749; Feb. 12.
- Chester, Arthur C., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Oil tank. 2,399,323; Apr. 30.
- Chester Manufacturing Company, assignee: *See*—
- Wright, Hal F.
- Chesna, Frank O.: *See*—
- Richardson, Avery G., and Chesna.
- Chesna, Frank O., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Coupling circuit. 2,391,880; Jan. 1.
- Chevigny, Georges P., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Electron discharge device. 2,404,363; July 23.
- Chevigny, Georges P., Kew Gardens, and E. Labin, New York, N. Y., assignors to Federal Telephone and Radio Corporation. Electron discharge device. 2,402,600; June 25.
- Chevigny, Georges P., New York, and E. Labin, Kew Gardens, N. Y., assignors to Federal Telephone and Radio Corporation. Electron discharge device. 2,402,601; June 25.
- Chevigny, Georges P., Kew Gardens, and H. G. Busignies, Forest Hills, N. Y., assignors to International Standard Electric Corporation. Electrode structure. 2,412,965; Dec. 24.
- Chevigny, Paul G., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Making cathodes. 2,397,533; Apr. 2.
- Chevigny, Paul G., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Vacuum tube structure. 2,402,602; June 25.
- Chevigny, Paul G., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Cathode structure. 2,411,506; Nov. 26.
- Chevigny, Paul G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Preparation of electrodes. 2,411,522; Nov. 26.
- Chevigny, Paul G., New York, N. Y., and J. J. Glauber, West Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device. 2,411,523; Nov. 26.
- Cheyney, La Verne B., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Coated paper. 2,392,972; Jan. 15.
- Chiarello, Stefano, Brooklyn, N. Y. Fire escape. 2,393,087; Jan. 15.
- Chicago Aerial Survey Company, The, assignee: *See*—
- Sonne, Frederick T., and Sussin.
- Chicago Bridge & Iron Company, assignee: *See*—
- Boardman, Harry C.
- Chicago Cardboard Company, assignee: *See*—
- Burr, Ned.
- Chicago Electric Manufacturing Company, assignee: *See*—
- Gough, James J.
- Chicago Eye Shield Company, assignee: *See*—
- Malcom, Robert.
- Malcom, Robert L.
- Chicago Flexible Shaft Company, assignee: *See*—
- Anderson, Charles E.
- Jepson, Ivar.
- Purpura, August C.
- Storm, Herbert F.
- Chicago Forging & Manufacturing Company, assignee: *See*—
- Howe, Earl E.
- Chicago Metal Hose Corporation, assignee: *See*—
- Farrar, John F. P.
- Johnson, Axel F.
- Chicago Metallic Manufacturing Company, assignee: *See*—
- Langel, Adrien L.
- Chicago Pneumatic Tool Company, assignee: *See*—
- Fischer, Howard R.
- Meunier, Leon F.
- O'Farrell, Matthew.
- O'Farrell, Matthew, and St. Louis, Stevens, Edward W.
- Tucker, Mana L.
- Chicago Pump Company, assignee: *See*—
- Chase, Corson W.
- Lannert, William H.
- Chicago Railway Equipment Company, assignee: *See*—
- Busse, Edwin G.
- Ekholm, Herbert W.
- Wasberg, Axel.
- Chicago Rawhide Manufacturing Company, assignee: *See*—
- Vedovell, Rudolph J.
- Chicago Vitreous Enamel Product Company, assignee: *See*—
- Zander, Jason M.
- Chicago Wheel & Manufacturing Company, assignee: *See*—
- Miller, Robert I., and Bartz.
- Chiksan Tool Company, assignee: *See*—
- Phillips, Dwight M.
- Child, Arthur L., Pimperley, and S. Jackson, Chadderton, England. Mounting of electrodes in electric discharge tubes. 2,395,991; Mar. 5.
- Child, Herbert E.: *See*—
- Gwaltney, Eugene C., and Child.
- Childers, Harry F., Merriam, Kans., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Automatic tension device. 2,396,492; Mar. 12.
- Childers, Harry S., Fresno, Calif. Circuit controller. 2,391,866; Jan. 1.
- Childers, Roscoe O.: *See*—
- Glover, Robert C., and Childers.
- Childers, Troy F., Joplin, Mo. Termite control device. 2,404,272; July 16.
- Childs, Percy A.: *See*—
- Towner, Stanley H., and Childs.
- Chilman, John A., Gloucester, England, assignor to Rotol Limited. Lever-operated electric switching device. 2,395,036; Feb. 19.
- Chilman, John A., Gloucester, England, assignee to Rotol Limited. Limit switch system. 2,406,196; Aug. 20.
- Chilman, John A., Gloucester, England, assignor to Rotol Limited. Brake for electric motors. 2,410,630; Nov. 5.
- Chilton, Allan, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Engine cooling fan. 2,396,232; Mar. 12.
- Chilton, Allan, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Valve operating mechanism. 2,398,206; Apr. 9.
- Chilton, Allan, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Torsion valve spring. 2,398,207; Apr. 9.
- Chilton, Judd E., Chicago, Ill. Curtain rod. 2,399,001; Apr. 23.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Transmission. 2,398,208; Apr. 9.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Balanced hydraulic clutch. 2,399,853; May 7.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Transmission. 2,400,536; May 21.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Transmission. 2,400,537; May 21.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Transmission. 2,400,538; May 21.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Transmission. 2,400,539; May 21.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Transmission. 2,400,540; May 21.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Valve gear. 2,404,827; July 30.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Valve mechanism. 2,404,828; July 30.
- Chilton, Roland, Ridgewood, and D. G. MacCulloch, Hawthorne, N. J., assignors to Wright Aeronautical Corporation. Control mechanism. 2,410,631; Nov. 5.
- Chisholm, Harry L., Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic pump or motor. 2,396,316; Mar. 12.
- Chisholm, Ralph L., West Newton, Mass., assignor to Universal Winding Company, Cranston, R. I. Bobbin-identifying device for winding machines. 2,393,973; Feb. 5.
- Chittum, Elbert C., Catonsville, assignor to Chittum-Kidd Company, Inc., Baltimore, Md. Display card. 2,401,615; June 4.
- Chittum, James P., and G. E. Hulse, Pasaic, N. J., assignors to United States Rubber Company, New York, N. Y. Rubber hydrochloride compositions. 2,405,343; Aug. 3.
- Chittum-Kidd Company, Inc., assignee: *See*—
- Chittum, Elbert C.
- Chitty, Michael W. G., Ilford, assignor to The Pliessey Company Limited, Essex, England. Electrical ignition system. 2,397,725; Apr. 2.
- Chmielewski, Erwin A., Milwaukee, Wis. Welding method and apparatus. 2,395,723; Feb. 26.
- Chmielowiec, Edward J., now by judicial change of name E. J. Chalmers, assignor of two-fifths to N. Chalmers, Glenville, Conn. Spraying device. 2,397,455; Mar. 26.
- Choat, Samuel C., assignor of one-tenth to B. C. Flaxel, North Lead, Ore. Lead ore device. 2,411,821; Nov. 26.
- Choate, Roy E., and E. W. Austin, assignors to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Vehicle. 2,406,944; Sept. 3.
- Chollar, Robert G., assignor to The National Cash Register Company, Dayton, Ohio. Porous resilient printing plate. 2,392,521; Jan. 9.

- Chott, George A., Chicago, assignor of one-half to H. J. Chott, Riverside, Ill. Making dental polishing tool. 2,393,751; Jan. 29.
- Chott, Hugo J., assignee: *See*—Chott, George A.
- Chouinard, Alfred F., assignor to National Cylinder Gas Company, Chicago, Ill. Torch cutting machine. 2,401,721; June 11.
- Chouinard, Lawrence A., Indian Orchard, Mass. Tank filler. 2,399,167; Apr. 30.
- Chouings, Leslie C., assignor to Automotive Products Company Limited, Leamington Spa, England. Liquid pressure servo-motor device. 2,410,269; Oct. 29.
- Chrestoff, Christopher, assignor to The National Acme Company, Cleveland, Ohio. Floating gripping jaw for vices and chucks. 2,392,310; Jan. 8.
- Chris, Stephen J., Pacific Palisades, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Clamping structure. 2,409,253; Oct. 15.
- Christ, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fiber-forming polymers and making them. 2,396,248; Mar. 12.
- Christaldi, Peter S., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Device for measuring impedances. 2,409,419; Oct. 15.
- Christensen Machine Company, The, assignee: *See*—Belluche, Frank R.
- Christensen, Alfred C., Chicago, assignor to H. S. Simpson, Evanston, Ill. Mixer. 2,413,663; Dec. 31.
- Christensen, Donald W., and S. Sadlon, Racine, Wis., assignors to Young Radiator Company. Motor bracket. 2,400,224; May 14.
- Christensen, Edward C., Denmark, Wis. Towing pole. 2,409,662; Oct. 22.
- Christensen, Howard, Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor. 2,407,251; Sept. 10.
- Christensen, Niels A., South Euclid, Ohio. Pressure seal. 2,394,364; Feb. 6.
- Christensen, Niels A., South Euclid, Ohio. Hydraulic brake. 2,396,155; Mar. 5.
- Christensen, Niels A., South Euclid, Ohio. Accumulator. 2,406,197; Aug. 20.
- Christensen, Niels A., South Euclid, Ohio. Pump. 2,410,808; Nov. 12.
- Christensen, Niels C., Salt Lake City, Utah. Method of and apparatus for spraying. 2,404,273; July 16.
- Christensen, Niels C., assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Recovering zinc from chloride solutions. 2,402,371; June 18.
- Christensen, Niels C., assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Recovery and decomposition of MgCl₂. 2,413,392; Dec. 31.
- Christensen, Niels P., University City, and R. E. Sturhahn, Webster Groves, Mo. Treating dairy products. 2,400,454; May 14.
- Christensen, Norman V., Chicago, H. J. Le Vesconte, Western Springs, and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. Thread control mechanism for sewing machines. 2,394,365; Feb. 6.
- Christensen, Norman V., Chicago, and G. Sauer, Berwyn, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,400,741; May 21.
- Christensen, Paul M., West Hartford, Conn., assignor, by mesne assignments, to Federal Electric Products Company, Inc., Newark, N. J. Circuit breaker construction. 2,403,051; July 2.
- Christenson, Ben, Pasadena, Calif. Hot water bag. 2,411,677; Nov. 26.
- Christenson, Ben M., Pasadena, Calif. Bundle rack for bicycles. 2,391,945; Jan. 1.
- Christenson, Frank, Jamaica Estates, assignor to Refractory & Insulation Corporation, New York, N. Y. Pre-fabricated ceramic combustion chamber. 2,392,121; Jan. 1.
- Christian, David A., Batley, assignor to Siemens Brothers & Co. Limited, London, England. Electrical timing arrangement. 2,409,105; Oct. 8.
- Christian, Dean H., Medina, assignor to The Brush Development Company, Cleveland, Ohio. Transducer. 2,402,531; June 25.
- Christian, Frank T., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic control for carburetor choke valves. 2,394,665; Feb. 12.
- Christian, Frank T., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Mechanical time fuse. 2,396,987; Mar. 19.
- Christian, John C., Jr.: *See*—Ostlund, Albert, and Christian.
- Christian, Joseph D., San Francisco, Calif. Speed change unit. 2,407,975; Sept. 24.
- Christian, L. C., assignee, et al.: *See*—Humason, Granville A.
- Christian, Manfred: *See*—Florlan, Ernst, Petersen, and Christian.
- Christiansen, Andrew L., Willowbrook, Calif. Flaking machine for fish and the like. 2,403,910; July 16.
- Christiansen, Christian, St. Cloud, Minn. Tractor mounted loader. 2,410,567; Nov. 5.
- Christiansen, Christian, Swampscott, assignor to Rotary Machine Company, Inc., Lynn, Mass. Folding machine. 2,400,074; May 14.
- Christiansen, John, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Car door construction. 2,397,335; Mar. 26.
- Christiansen, Walter G., Glen Ridge, and S. E. Harris, Nutley, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Chemical compounds. 2,404,691; July 23.
- Christiansen, Walter G., Glen Ridge, and S. E. Harris, Nutley, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Amino alcohol esters of alkyl-substituted alkoxy benzoic acids. 2,409,663; Oct. 22.
- Christiansen, Walter G., Glen Ridge, and S. E. Harris, Nutley, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Chemical compounds. 2,412,966; Dec. 24.
- Christie, George S., Paterson, N. J. Calculating machine. 2,396,249; Mar. 12.
- Christie, Lewis D., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Incendiary bullet. 2,392,877; Apr. 9.
- Christie, Soren L., Los Angeles, Calif. Rectifier regulating system. 2,405,637; July 9.
- Christie, Stanley J. A., Oshawa, Ontario, Canada. Special tool. 2,404,274; July 16.
- Christman, Peter J., Green Bay, Wis. Facing and boring device. 2,403,483; July 23.
- Christmann, John L., Passaic, N. J. Automatic scale. 2,394,593; Feb. 12.
- Christner, Howard F., Frederick A. Lobley, and C. F. Miles, assignors to Ames Company, Inc., Elkhart, Ind. Container. 2,410,928; Nov. 12.
- Christopher, Arthur J., Tenack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealing of metallic members in molded casings. 2,392,311; Jan. 8.
- Chromogen, Incorporated, assignee: *See*—Gaspár, Bela.
- Chromis, Steve, Corona, N. Y., assignor, by mesne assignments, to Solar Aircraft Company, San Diego, Calif. Carbon arc electrode holder. 2,405,403; Aug. 6.
- Chrysler Corporation, assignee: *See*—Baird, Donald A., and Auten.
- Ball, Thomas M.
- Borden, David M.
- Bowlus, Omer.
- Butterfield, John P.
- Butterfield, John P., Borden, and Vogt.
- Cousino, Walter P.
- Fishburn, Otto E.
- Gillilan, Henry W.
- Gillilan, Henry W., and Bailey.
- Gillilan, Henry W., Borden, and Wyckoff.
- Herreshoff, Alexander G.
- Herreshoff, Alexander G., and Lamb.
- La Brie, Ludwig E.
- Langhammer, Anthony J.
- Livar, Allen P.
- Livar, Allen P., and Gilmore.
- Nims, Paul T., and Bowlus.
- Parker, Glenn H.
- Pennington, Gordon R.
- Perritt, John F., and Waldron.
- Klinger, James D.
- Sassmanhausen, Lee C.
- Slack, Frederic W., and Utz.
- Staley, Allen C.
- Terry, Rex A.
- Wallace, David A.
- Chu, Helga M.: *See*—Chu, Hing F. and H. M.
- Chu, Helga M. and H. F., Larchmont, N. Y. One piece, third dimension, cut out toy. 2,412,231; Dec. 10.
- Chu, Hing F.: *See*—Chu, Helga M. and H. F.
- Chu, Hing F. and H. M., Larchmont, N. Y. Kite. 2,394,366; Feb. 6.
- Chu, Hing F. and H. M., Larchmont, N. Y. Alternating cloth dolly and constructing same. 2,406,994; Sept. 3.
- Chu, Hing F. and H. M., Larchmont, N. Y. Tailless kite. 2,412,322; Dec. 10.
- Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War. Antenna. 2,408,373; Oct. 1.
- Chubb, Alexander A.: *See*—Bligh, Norman R., Heller, Stenning, and Chubb.
- Chubb, Lewis W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Recognition light system. 2,406,320; Aug. 27.
- Chubb, Lewis W., Jr., Sharon, and C. J. T. Young, Cambridge, Mass., assignors to Polaroid Corporation, Dover, Del. Coating composition. 2,397,242; Mar. 26.
- Chubbuck, Leonard B., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,411,366; Nov. 19.
- Chumassero, John: *See*—Guthrie, Robert G., and Chumassero.
- Chun, Melvin E., La Jolla, assignor to Lane-Wells Company, Los Angeles, Calif. Electrical well logging method and apparatus. 2,393,009; Jan. 15.

- Chunn, Charles J., Sierra Madre, assignor to Adel Precision Products Corp., Burbank, Calif. Cushioned clip. 2,404,473; July 23.
- Church, Ira J., Bead, City, Mich. Saw-tooth setting device. 2,408,197; Sept. 24.
- Church, Joseph H.: *See—*
Moore, Wiley T., Church, and Thibodeau.
- Church, Joseph H., Austin, Minn., and W. E. Thibodeau, Cleveland, Ohio. Projectile fuse. 2,399,693; May 7.
- Church, Joseph H., Austin, Minn., and W. E. Thibodeau, Cleveland, Ohio. Petard missile. 2,412,967; Dec. 24.
- Church, Walter L., Houston, Tex. Packer anchor. 2,404,692; July 23.
- Churchill, John A.: *See—*
Crowley, Cecil L., and Churchill.
- Churchill, Wilmer H., Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Covering installation and attaching clip therefor. 2,406,665; Aug. 27.
- Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shiftable cowl and like socket fastener member. 2,407,815; Sept. 17.
- Churchman, John A., Guyton, Tex. Portable grain elevator. 2,410,012; Oct. 29.
- Chynoweth, John L.: *See—*
Alfthan, Johannes, and Chynoweth.
- Ciba Pharmaceutical Products Inc., assignee: *See—*
Djerassi, Huttner, and Scholz.
Erlenmeyer, Hans.
Hartmann, Max, Miescher, Kaegi, and Bosshard.
Miescher, Karl, and Heer.
Miescher, Karl, and Marxer.
Miescher, Karl, and Meystre.
Ruzicka, Leopold.
- Ciba Products Corporation, assignee: *See—*
Widmer, Gustav.
- Ciba, Anthony F., Cleveland Heights, Ohio, assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Tube-severing mechanism. 2,404,901; July 30.
- Ciara Autogiro Company Limited, The, assignee: *See—*
Pullin, Cyril G.
- Cimaglia, Arthur C., Chicago, Ill. Toy gun. 2,408,913; Oct. 8.
- Cinch Manufacturing Corporation, assignee: *See—*
Del Camp, Scipione M.
- Cincinnati Bickford Tool Company, The, assignee: *See—*
Schauer, Omi E. and Long.
Schauer, Lawrence L., and McKewen.
- Cincinnati Industries, Inc., assignee: *See—*
Rowe, William W.
- Cincinnati Milling Machine Co., The, assignee: *See—*
Decker, Jacob, and Binns.
Ernst, Hans.
Ernst, Hans, Grieb, and Field.
Herfurth, Charles.
Nenninger, Lester F., and Hassman.
Yates, Edward W., and Armandoe.
- Cincinnati Mine Machinery Company, The, assignee: *See—*
Cartledge, John R.
- Ciper, Anthony L., Glenwillard, and A. W. Snyder, Allquippa, Pa. Elevated hanger and lamp lowering and hoisting means. 2,407,869; Sept. 17.
- Ciruli, David E., Pueblo, Colo. Onion sorting machine. 2,396,553; Mar. 12.
- Cislar, Francis E., and W. R. Wheeler, assignors to Rellity Tar & Chemical Corporation, Indianapolis, Ind. Manufacturing pyridinecarboxylic acids. 2,396,457; Mar. 12.
- Cislar, Francis E., and W. H. Rieger, Indianapolis, Ind., assignors to Rellity Tar & Chemical Corporation. Vulcanized synthetic elastomer and making it. 2,402,020; June 11.
- Cities Service Oil Company, assignee: *See—*
Brandt, David G.
Engelke, Ernest F.
Morgan, John D.
Morgan, John D., and Levitt.
Morgan, John D., and Lowe.
Morgan, John D., and Sullivan.
Sullivan, Alan P.
Workman, Arnold R.
- Citizens and Manufacturers National Bank of Waterbury, The, Administrator: *See—*
Lusher.
- City Asphalt and Paving Company, The, assignee: *See—*
Miller, William J.
- City Auto Stamping Company, The, assignee: *See—*
Baier, Sydney W.
- City Engineering Company, The, assignee: *See—*
Wilson, Delbert I., and Quinn.
- Cizek, Albert W., Jr.: *See—*
Kallas, Danos H., Cizek, and Nestlen.
- Cizek, Frank G.: *See—*
Hess, Relza J., and Cizek.
- Cizek, Vojtech, Astoria, Long Island, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slide fastener. 2,395,370; Feb. 19.
- Claassen, Frederic S., Bergenfield, N. J. Electroacoustic binaural listening system. 2,393,885; Jan. 29.
- Clack, Karl D. G.: *See—*
Britton, Edgar C., Coleman, and Clack.
- Claesson, Per H. B.: *See—*
Rost, Fabian H., and Claesson.
Rost, Helge F., Claesson, and Svensson.
Rost, Helge F., Thunell, Vigren, and Claesson.
- Clafendetcher, Christ R.: *See—*
Ramstack, Erich F., and Clafendetcher.
- Clafin, Roland S., Park Ridge, Ill. Teething device. 2,408,735; Oct. 8.
- Clancy, Gilbert E., assignor to Drayer & Hanson, Incorporated, Los Angeles, Calif. Impulse pumping system. 2,400,290; May 14.
- Clapp, Edwin A., Niagara Falls, and L. V. Spangberg, Yonkstown, N. Y., assignors to The Linde Air Products Company. Multielectrode welding head. 2,401,722; June 11.
- Clapp, Richard G., Haverford, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High-frequency attenuator and divider circuits. 2,409,474; Oct. 15.
- Clapp, Roy A., Minneapolis, Minn. Tape moving mechanism. 2,409,834; Oct. 22.
- Clapper, Ray L., West New Brighton, Staten Island, assignor to The Griscorn Russell Company, New York, N. Y. Removing defective tubes from tube sheets. 2,411,246; Nov. 19.
- Clapsadle, Leo J., J. C. Kratzer, Kenmore, and E. E. Sommer, Larchmont, N. Y., assignors to The Linde Air Products Company. Cooling system for internal combustion engines. 2,408,374; Oct. 1.
- Clark, Albert R., J. C. Buck and R. V. De Vries, assignors to The De Villbiss Company, Toledo, Ohio. Air washing means. 2,395,960; Mar. 12.
- Clark, Andrew D., Pietermaritzburg, Natal, Union of South Africa. Threshing machine. 2,403,638; July 9.
- Clark, Carleton B.: *See—*
Adams, Charles R., and Clark.
Bax, Alfred C., Kiehorn, and Forney.
- Clark, Charles C., Kenmore, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Resinous compositions and plasticizers therefor. 2,398,882; Apr. 23.
- Clark, Charles R., Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Recovery of toluene. 2,397,839; Apr. 2.
- Clark, Charles R., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of toluene from oils. 2,407,364; Sept. 10.
- Clark, Charles W., and E. M. Elkin, Montreal, Quebec, assignors to Canadian Copper Refiners, Limited, Toronto, Ontario, Canada. Making selenium dioxide. 2,406,666; Aug. 27.
- Clark, Charles W., Westmount, E. M. Elkin, Montreal, Quebec, Canada, and G. B. Watkins, Flemington, N. J., assignors to Canadian Copper Refiners Limited, Montreal East, Quebec, Canada. Producing pure selenium. 2,409,835; Oct. 22.
- Clark, Chauncey R., Miami, Fla. Rug securing means. 2,410,479; Nov. 5.
- Clark Controller Company, The, assignee: *See—*
Few, William.
- Clark, Cornelius S., Norfolk, Va. Piston. 2,395,847; Mar. 5.
- Clark, Cornelius S., Norfolk, Va. Piston. 2,396,084; Mar. 5.
- Clark, Donald E., San Diego, A. B. Steiner, La Jolla, and K. T. Gibson, assignors to Kelco Company, San Diego, Calif. Algin-bitumen composition and its method of preparation. 2,393,022; Jan. 15.
- Clark, Donald H., Stockton, Calif. Bead dispenser control. 2,407,628; Sept. 17.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating appliance. 2,409,420; Oct. 15.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,410,013; Oct. 29.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,410,014; Oct. 29.
- Clark, Earl K., and J. S. Wojcik, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermocouple. 2,398,579; Apr. 16.
- Clark, Earl W., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Dyestuff composition. 2,406,586; Aug. 27.
- Clark, Egbert, Gamba, C. Z. Exhaust mechanism for internal combustion engines. 2,401,858; June 11.
- Clark, Elizabeth C., New York, N. Y. Pantie girdle. Re. 22,738; Apr. 2.
- Clark Equipment Company, assignee: *See—*
Burger, Frederick W.
Burrows, Robert J., and Williams.
Burrows, Robert E.
Dence, Donald S.
Lapsley, Robert.
Lapsley, Robert, and Dence.
Ormsby, Donald D.
Spatta, George.
Williams, Alfred O.
- Clark, Eugene E., assignor to American Screw Company, Providence, R. I. Tool. 2,400,684; May 21.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Halogenated compositions. 2,394,367; Feb. 5.

- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Halogenated nitronaphthalene compositions. 2,402,742; June 25.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric and insulating composition. 2,410,714; Nov. 5.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Hydrogenated oil composition. 2,410,715; Nov. 5.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Liquid stable at low temperatures. 2,413,170; Dec. 24.
- Clark, Frank W., Sanford, Maine. Saw. 2,399,541; Apr. 30.
- Clark, Frank W., assignor, by mesne assignments, to Goodall-Sanford, Inc., Sanford, Maine. Composite sheet material. 2,400,487; May 21.
- Clark, George A., Elwood, Nebr. Pessary. 2,398,518; Apr. 16.
- Clark, Gerald T., Hazel Crest, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway car retarder. 2,393,140; Jan. 15.
- Clark, Gilbert R.: *See—*
Hallborg, Henry E., Gillespie, and Clark.
- Clark, Harvey L., Salem, Oreg. Brooder. 2,407,601; Sept. 10.
- Clark, Henry B., Elizabeth, N. J. Door operating apparatus. 2,412,871; Dec. 17.
- Clark, Hiram S., and C. S. Head, assignors to F & H Manufacturing Company, Los Angeles, Calif. Fastener. 2,393,088; Jan. 15.
- Clark, Horace N., Bound Brook, N. J., assignor to Refractory & Insulation Corporation, New York, N. Y. Furnace lining. 2,407,135; Sept. 3.
- Clark, James: *See—*
Williams, Frank W., and Clark.
- Clark, James A., Port Chester, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Finishing textiles and the product produced. 2,391,867; Jan. 1.
- Clark, James A., White Plains, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Process and apparatus for sizing yarns. 2,402,653; June 25.
- Clark, John O., University City, Mo., assignor to American Brake Shoe Company. Centrifugal hammer. 2,397,776; Apr. 2.
- Clark, John R.: *See—*
King, Wilbert A., Kleiner, and Clark.
- Clark, John R., Bethesda, Md. Kiln for brick and other clay products. 2,399,664; May 7.
- Clark, John T., West Chicago, Ill., assignor to Wintark, Incorporated. Inflated softball. 2,399,324; Apr. 30.
- Clark, John W., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Mineral-coated printing paper. 2,395,992; Mar. 5.
- Clark, John W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,402,147; June 18.
- Clark, John W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency converter. 2,408,410; Oct. 1.
- Clark, Joseph A., South Bend, Ind. Game board. 2,404,693; July 23.
- Clark, Joseph B.: *See—*
Faris, Riley F., and Clark.
- Clark, Joseph C., Pensauken, N. J., assignor to Radio Corporation of America. Remote-control system. 2,398,519; Apr. 16.
- Clark, Joseph L., Wilmington, Del., C. M. Linden, Chattanooga, Tenn., and C. J. Obert, Bessemer, Ala., assignors to Hercules Powder Company, Wilmington, Del. Apparatus for packing explosive in cartridges. 2,404,434; July 23.
- Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,405,404; Aug. 6.
- Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Ironing machine. 2,405,491; Aug. 6.
- Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,406,198; Aug. 20.
- Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,406,509; Oct. 1.
- Clark, Kenneth C., Watsonville, Calif. Auxiliary wheel and tire carrier. 2,399,207; Apr. 30.
- Clark, Le Roy V., New Castle, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Stabilized explosive. 2,405,183; Aug. 6.
- Clark, Llewellynn J., assignor to The Tanglefoot Company, Grand Rapids, Mich. Filter. 2,403,261; July 2.
- Clark, Marion A., Tulare, Calif. Carrying scraper. 2,404,123; July 16.
- Clark, Robert A., Jr., Chicago, Ill. Communication system. 2,393,291; Jan. 22.
- Clark, Robert A., Jr., Chicago, Ill. Signalling system. 2,410,149; Oct. 29.
- Clark, Robert H.: *assignee: See—*
Smith, Lawson A.,
Tilton, Danley A.
- Clark, Robert H., Solon, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,405,686; Aug. 13.
- Clark, Robert W., Teaneck, N. J., assignor to Radio Corporation of America. Multi-range meter. 2,400,190; May 7.
- Clark, Robert W., Teaneck, N. J., and F. J. Somers, Rockville Centre, N. Y., assignors to Radio Corporation of America. Wave length modulation. 2,394,427; Feb. 5.
- Clark, Thomas, and L. R. Fellows, assignors to Armstrong Sidelley Motors Limited, Coventry, England. Regulation of rotary compressors. 2,398,619; Apr. 16.
- Clark, Thomas, and W. H. Lindsey, Coventry, assignors to Armstrong Sidelley Motors Limited, Park Side, Coventry, England. Internal-combustion turbine plant. 2,404,273; July 16.
- Clark, Thomas, E. V. Windsor, and L. Hart, assignors to Armstrong Sidelley Motors Limited, Coventry, England. Pressure lubrication system. 2,408,914; Oct. 8.
- Clark, Thomas C., Jr., Clayton, Mo., assignor to Supply Division, Inc., Robertson, Mo. Wall closure. 2,412,572; Dec. 17.
- Clark Thread Company, The, assignee: *See—*
Burgin, Alfred, and Keown.
- Clark, Trevor H., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Distributor. 2,402,603; June 25.
- Clark, Trevor H., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Conductor joint and making same. 2,406,805; Sept. 3.
- Clark, Warren F., Nashville, Tenn. Mattress for treating human body ailments by heat therapy. Re. 22,763; June 11.
- Clark, William B.: *See—*
Sharkey, William H., Cadot, and Clark.
- Clark, William H., Riverside, Calif. Cotton chopper. 2,399,854; May 7.
- Clarke, Carole A., Glen Ridge, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Rectifier. 2,406,806; Sept. 3.
- Clarke, Frederick W.: *See—*
Browne, Donald B., Clarke, and Painter.
- Clarke, Gerard J.: *See—*
Malm, Carl J., and Clarke.
- Clarke, Harold E., West Somerville, Mass. Foot measuring device. 2,394,149; Feb. 5.
- Clarke, Howard F.: *See—*
Dana, Homer J., and Clarke.
- Clarke, Howard R., Newton Highlands, Mass. Firearm. 2,401,618; June 4.
- Clarke, Lionel W. W., North Rand, Transvaal, Union of South Africa, and B. J. Byrne, Mold, Wales, assignors to Imperial Chemical Industries Limited. Apparatus for treating gases with liquids. 2,400,810; May 21.
- Clarke, Louis A.: *See—*
Hatch, George B., Peverly, Clarke, and Bruner.
- Peverly, Ernest P., Clarke, and Hatch.
- Clarke, Louis A., Fishkill, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,394,368; Feb. 5.
- Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,402,126; June 18.
- Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Alkylation process and products produced thereby. 2,403,501; July 9.
- Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Motor fuels and making same. 2,406,687; Aug. 27.
- Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,407,136; Sept. 3.
- Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,407,137; Sept. 3.
- Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,409,544; Oct. 15.
- Clarke, Louis A., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of gasoline hydrocarbons. 2,401,859; June 11.
- Clarke, Octave B., assignee: *See—*
Pomeroy, Roy J.
- Clarke, Sidney G., Toronto, Ontario, Canada. Golf practice device. 2,402,274; June 18.
- Clarke, Stephen T., Southampton, England. Fermentation of beer. 2,393,518; Jan. 22.
- Clarke, Thomas B., and F. W. H. Williams, Leicester, England, assignors to United Shoe Machinery Corporation, Elizabeth, N. J. Chip ejector for heel seat fitting machines. 2,409,737; Oct. 22.
- Clarke, William W.: *See—*
Zadenack, Erich R., and Clarke.
- Clarkson, Alick, Bloomingdale Township, DuPage County, Ill. Fuel burner. 2,398,883; Apr. 23.
- Clarkson, Alick, Bloomingdale Township, DuPage County, Ill. Preheating system for internal-combustion engines. 2,400,977; May 28.
- Clarkson, Richard G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic substances. 2,396,156; Mar. 5.
- Clarkson, William P., assignor of fifty per cent to T. B. Nicholson, Corpus Christi, Tex. Dual purpose scale assembly. 2,394,983; Feb. 18.

- Clary, Hugh L., Hillsborough, and W. H. Petit, assignors, by direct and mesne assignments, to Clary Multiplier Corporation, Los Angeles, Calif. Multiplying unit. 2,403,480; July 9.
- Clary Multiplier Corporation, assignee: *See—*
Clary, Hugh L., and Petit.
- Clasen, Claus J. W., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,406,199; Aug. 20.
- Clasen, John H., assignee: *See—*
Mellen, William F., and Clasen.
- Clausen, De Witt: *See—*
Yeomans, Lucien I., and Clausen.
- Clausen, Henry P., White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn. Apparatus for determining the proficiency of code students. 2,401,462; June 4.
- Clausen, Heriberto E. G. J., and M. A. G. Fabla, Buenos Aires, Argentina. Turbulent burner for fuels in general. 2,395,103; Feb. 19.
- Clauser, Francis H., Santa Monica, and C. C. Wood, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Lateral control arrangement. 2,407,401; Sept. 10.
- Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Automatic helix turning machine. 2,405,941; Aug. 20.
- Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Slip last. 2,405,942; Aug. 20.
- Clauson, Bernard A., Duluth, Minn. Safety nut. 2,405,088; July 30.
- Clauss, Julius A.: *See—*
Glush, Daniel P., and Clauss.
- Classen, Gerard E., assignor to Machlett Laboratories Incorporated, Springfield, Conn. Structure and making. 2,394,984; Feb. 19.
- Claussen, Walter F., Poughkeepsie, assignor to The Texas Company, New York, N. Y. Catalyst regeneration. 2,396,157; Mar. 5.
- Claussen, Walter F., Poughkeepsie, assignor to The Texas Company, New York, N. Y. Manufacture of gasoline hydrocarbons. 2,400,075; May 14.
- Claussen, William H., and T. M. Powell, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Hydrocarbon conversion. 2,404,902; July 30.
- Clay, Murray G., Chicago, Ill. Crane controlling system. Re. 22,785; Sept. 3.
- Clay, Murray G., Chicago, Ill. Crane controlling system. 2,391,881; Jan. 1.
- Clay, Murray G., Chicago, Ill. Method of and apparatus for controlling directional changes in bombs. 2,397,088; Mar. 26.
- Clay, William C.: *See—*
Sullivan, Miles V.
- Clay, William L., Oklahoma City, Okla. Oil filter. 2,393,886; Jan. 29.
- Clayden, Francis W.: *See—*
Blattner, David G., and Clayden.
- Clayman, James, Allston, Mass. Musical toy. 2,396,250; Mar. 12.
- Clayton, Andrew B., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,394,510; Feb. 5.
- Clayton, Andrew B., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lock-stitch sewing machine. 2,394,511; Feb. 5.
- Clayton, Andrew B., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loooper throwout mechanism. 2,397,336; Mar. 26.
- Clayton, Benjamin, assignee: *See—*
Thurman, Benjamin H.
- Clayton, Benjamin, Houston, Tex., assignor, by mesne assignments, to Refining, Unincorporated. Refining oil. 2,392,973; Jan. 15.
- Clayton, Benjamin, assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Purification of oil. 2,412,251; Dec. 10.
- Clayton, Harry E., Holland, N. Y., assignor, by mesne assignments, to Bagnak, Inc. Forming a closure for paper bags. 2,391,946; Jan. 1.
- Clayton Manufacturing Company, assignee: *See—*
Arant, Perry.
Griswold, Donald G.
- Clayton, Robert H., Jr.: *See—*
Goepfert, Otto E., Strauss, and Clayton.
- Clayton, Ross M., Sr., Asbury Park, N. J. Automatic air conductor. 2,395,848; Mar. 5.
- Claytor, Edward M.: *See—*
Jorgensen, Clarence H., and Claytor.
- Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine controller. 2,397,534; Apr. 2.
- Cleaners Hanger Company, assignee: *See—*
Ruen, Henry C., and Simmons.
- Cleaving Machine Corporation, assignee: *See—*
Johansen, Elmer K., and Glasner.
- Cleaver-Brooks Company, assignee: *See—*
Cleaver, John C., and Resek.
- Cleaver, John C., Wadsworth Bay, and J. V. Resek, assignor to Cleaver-Brooks Company, Milwaukee, Wis. Sterilizer. 2,398,770; Apr. 23.
- Cleaver, William F., Westmont, Quebec, Canada. Calculating device. 2,405,687; Aug. 13.
- Clem, Everett W., Shrewsbury, assignor to Rice Barton Corporation, Worcester, Mass. Paper making machine suction device. 2,395,333; Feb. 26.
- Clem, Everett W., Shrewsbury, assignor to Rice Barton Corporation, Worcester, Mass. Papermaking machine press section. 2,404,946; July 30.
- Clem, James R., Dallas, Tex. Dispensing device. 2,407,402; Sep. 10.
- Clem, John A., III, assignee: *See—*
Newman, Strother M.
- Clemens, Fred J., Hartford, Conn. Hand tool. 2,398,209; Apr. 9.
- Clement, Carl H., Jr., U. S. Army, Fort Belvoir, Va. Boat. 2,392,834; Jan. 15.
- Clement, Ivan C., Greenwood, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sound signaling apparatus. 2,411,146; Nov. 19.
- Clements, Ernest W., Kansas City, Kans., assignor to A. A. Kramer, Kansas City, Mo. Adjustable liquid sealed pump. 2,398,520; Apr. 16.
- Clements, MacMillan, Southport, Conn. Building construction. 2,402,731; June 25.
- Clements, William, Glendale, Calif. Combination gas and oil burner. 2,393,887; Jan. 29.
- Clemetsen, Erling A., and J. A., Prairie View, Ill. Crushing device. 2,407,365; Sept. 10.
- Clemetsen, John A.: *See—*
Clemetsen, Erling A., and J. A.
- Cleminson, Lew W., assignee, trustee: *See—*
Vessel, Carl.
- Clemmer, Julius B., and C. Rampack, Tuscaloosa, Ala., assignors to the United States of America, as represented by the Secretary of the Interior. Concentrating iron ore. 2,403,481; July 9.
- Clemmer, Julius B., and E. H. Clemmons, Tuscaloosa, Ala., assignors to the United States of America, as represented by the Secretary of the Interior. Concentrating fluorspar by froth flotation. 2,407,651; Sept. 17.
- Clemmons, Ballard H.: *See—*
Clemmer, Julius B., and Clemmons.
- Clemson, John B., San Antonio, and J. G. Nelson, Houston, Tex. Rhumb line calculator or distance and course computer. 2,405,113; Aug. 6.
- Clerc, Leonard F., Chicago, Ill. Portable refrigerating device for travelers. 2,399,787; May 7.
- Clerc, Leonard F., Chicago, Ill. Portable refrigerating device. 2,400,742; May 21.
- Cleve, Frank, Jr., Kansas City, Mo. Reinforced resilient shoe heel. 2,395,993; Mar. 5.
- Cleveland Automatic Machine Company, The, assignee: *See—*
Carson, Gordon B.
- Cleveland Crane & Engineering Company, The, assignee: *See—*
Aneskey, Alphonse F.
Wehr, William G.
- Cleveland Hobbing Machine Company, The, assignee: *See—*
Staples, Otis E.
- Cleveland Pneumatic Tool Company, The, assignee: *See—*
Engeln, John P.
Feucht, Albert.
Hoffar, Henry S.
Kovacs, William R.
Lear, Earl B.
Lear, Earl B., and Meyer.
Meyer, Andrew.
Stone, Paul.
Van Sittert, Paul.
Van Sittert, Paul, and Kovacs.
- Cleveland Steel Products Corporation, assignee: *See—*
Von Haase, Anthony.
- Cleveland Trencher Company, The, assignee: *See—*
Aske, Albert R.
- Clevenger, Clarence M., and L. B. Steele, Jr., Waynesboro, Va., assignors to E. du Pont de Nemours & Company, Wilmington, Del. Making resilient batting. 2,402,532; June 25.
- Cliffe, Walter R., Hershey, Pa. Rotary kiln. 2,410,598; Nov. 5.
- Clifford, Albert M., and J. G. Lichty, Stow, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Derivatives of propionic acid. 2,392,974; Jan. 15.
- Clifford, Albert M., and J. G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio. Chemical compounds and preparation thereof. 2,407,138; Sept. 3.
- Clifford, David G.: *See—*
Rigrod, William W., and Clifford.
- Clifford, David G., Palo Alto, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reflex hysteron. 2,400,743; May 21.
- Clifford, David G., Palo Alto, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrode support. 2,409,664; Oct. 22.
- Clifford, David G., Palo Alto, Calif., and I. E. Mourontseff, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high-frequency device. 2,407,674; Sept. 24.
- Clifford, David G., and E. C. Okress, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch. 2,413,171; Dec. 24.

- Clifford Manufacturing Co., assignee: *See*—
Woods, John E.
- Clifford, Thomas W.: *See*—
Taylor, Joseph, and Clifford.
- Cliffs Dow Chemical Company, assignee: *See*—
Reiter, Alfred A., and Beman.
- Clifton, John C., New Eltham, London, S. E. 9, and F. W. Rabarts, Bexley, assignors to Vickers-Armstrongs Limited, London, England. Hardness calculating device. 2,392,461; Jan. 8.
- Clifton, Theodore E., Hyannis, Mass. Shredding machine. 2,396,085; Mar. 5.
- Climax Molybdenum Company, assignee: *See*—
Linz, Arthur.
- Cline, Edward T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Shaped protein structures and their preparation. 2,409,475; Oct. 15.
- Cline, McGarvey, assignor to Wood Process Company, Inc., Jacksonville, Fla. Handling crude oleosins. 2,400,040; May 7.
- Cline, Thelma B., San Francisco, Calif. Wrist purse. 2,400,222; May 14.
- Clinedinst, William O., Mount Lebanon, Pa., assignor to National Tube Company. Joint and making the same. 2,399,103; Apr. 23.
- Clingan, Irvine C., assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Stainless steel and coating same. 2,394,899; Feb. 12.
- Clinton Company, assignee: *See*—
Peckham, George T., Jr.
- Clisby, Kilshaw I., Montclair, N. J. Patent leather shoe. 2,394,900; Feb. 12.
- Clobridge, Charles G., Monroe, Mich. Steam gun and brush combination. 2,392,645; Jan. 8.
- Cloedy, Fred W., Sappington, and I. H. Mahne, assignors to Carter Carburetor Corporation, St. Louis, Mo. Nut or bolt locking device. 2,394,666; Feb. 12.
- Clopay Corporation, assignee: *See*—
Theuton, Arthur L.
- Close, John W.: *See*—
Staunton, Le Roy W., Close, and Hess.
- Class, Edwin R., U. S. Army, Camp Swift, Tex. Prefabricated building. 2,407,252; Sept. 10.
- Clothier, William C., B. Naylor, and J. E. P. Dunning, Farnborough, Hants, England, assignors to The Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Ireland, London, England. System for producing regulated liquid pressures. 2,407,139; Sept. 3.
- Cloud, William S., Wilmette, Ill. Method and apparatus for wrapping articles. 2,403,482; July 9.
- Clough, Newsome H., Brentwood, England, assignor to Radio Corporation of America. Protecting arrangement for thermionic valve circuits. 2,397,337; Mar. 26.
- Cloutier, Arthur N., Lonsdale, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 2,392,312; Jan. 8.
- Cloutier, Arthur N., Lonsdale, assignor to Hemphill Company, Central Falls, R. I. Yarn control. 2,400,628; May 21.
- Cloutier, George D., assignor to Eversharp, Inc., Chicago, Ill. Fountain pen. 2,398,521; Apr. 16.
- Cloutier, Leo, Fall River, Mass. Bowling ball polisher. 2,405,344; May 14.
- Cloutier, Raymond J., New Bedford, Mass. Cigarette and cigar holder. 2,398,695; Apr. 16.
- Club Aluminum Products Company, assignee: *See*—
Peterson, Amos.
- Cluett Penbody & Co., Inc., assignee: *See*—
Baker, James F., and La Mora.
- Pfeffer, Edward C., Jr., and Epelberg.
- Pfeffer, Edward C., Jr., and Kitaj.
- Coley, Alan S., and T. J. Allen, Nuneaton, assignors to Courtaulds Limited, London, England. Process for milling fabrics containing wool and cellulose acetate. 2,407,602; Sept. 10.
- Clum, Henry W., Upper Darby, assignor to Philco Corporation, Philadelphia, Pa. Freezing apparatus. 2,407,058; Sept. 3.
- Clunan, Albert B., assignor to Wingfoot Corporation, Akron, Ohio. Package. 2,400,390; May 14.
- Clute, Gerald P., Drexel Hill, Pa., assignor to General Electric Company. Electric switch. 2,404,216; July 16.
- Clyde Paper Company Limited, assignee: *See*—
Ingalls, John.
- Clymer, Alvin L., and F. W. Milner, Oakland, Calif. Spring-type switch bracket. 2,401,294; June 4.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Electric microgauge system. 2,407,140; Sept. 3.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Electric microgauge system. 2,407,141; Sept. 3.
- Coast Metals, Inc., assignee: *See*—
Cape, Arthur T.
- Coates, Elmer T., Shrewsbury, assignor to Angelica Jacket Company, St. Louis, Mo. Piping attachment for sewing machines. 2,393,292; Jan. 22.
- Coates, George O., Washington, D. C. Antiskid chain. 2,406,995; Sept. 3.
- Coats, Gilbert E., Fort Dodge, Iowa. Loading machine. 2,404,619; July 23.
- Coats, Gilbert E., Fort Dodge, Iowa. Loading machine. 2,405,114; Aug. 6.
- Coats, Hugh L., Wheaton, assignor to Flexible Steel Lacing Company, Chicago, Ill. Applicator for V-belt fasteners. 2,400,629; May 21.
- Coats, Hugh L., Wheaton, assignor to Flexible Steel Lacing Company, Chicago, Ill. Applicator for belt fasteners. 2,404,041; July 16.
- Cobb, Luther, assignor to F. P. Briscoe, Miami, Fla. Marine bumper and making the same. 2,399,855; May 7.
- Cobb, William M., U. S. Army, Daytona Beach, Fla. Detonator or blasting cap. 2,400,103; May 14.
- Coburn, William S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire construction. 2,404,579; July 23.
- Coburn, Kenneth G.: *See*—
Oganowski, Kasimir, Parks, and Coburn.
- Cochran, Avery M., Camp Hale, Colo. Snow tractor. 2,393,309; Jan. 22.
- Cochran, Albert W., New York, N. Y. Automatic type form cabinet. 2,395,961; Mar. 5.
- Cochran, Charles C., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich. Capsule structure. 2,401,617; June 4.
- Cochran, Charles R., Chicago, Ill. Pin curl clip. 2,400,488; May 21.
- Cochran, Clarence W.: *See*—
Baratelli, Charles A., Cochran, Dockum, and Guernsey.
- Cochran, John A., administrator: *See*—
Peterson, Edgar A.
- Cochrane, Bert G., Fairfield, Conn. Bracket and making same. 2,395,215; Feb. 19.
- Cockerill, Wilfred H.: *See*—
Smith, Stanley, and Cockerill.
- Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Apparatus for reducing the visibility of an object silhouetted against the sky. 2,398,620; Apr. 16.
- Codet, Howard G.: *See*—
Hill, Ralph M., and Codet.
- Lylich, Charles S., and Codet.
- Codish, Joseph, New York, N. Y. Sole for shoes, slippers, or other articles of footwear. 2,408,736; Oct. 8.
- Cody, Clifford S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning apparatus. 2,408,973; Oct. 8.
- Coe, Everett L., Marblehead, Mass., assignor to General Electric Company. Centrifugal type compressor. 2,409,836; Oct. 22.
- Coe, Frank S.: *See*—
Crocker, William D., and Coe.
- Coe, Frank S., assignor to American Bosch Corporation, Springfield, Mass. Ignition distributor. 2,395,611; Feb. 26.
- Coe, Harrison S., Palo Alto, Calif. Pumping apparatus. 2,405,734; Aug. 13.
- Coe, Mayne R.: *See*—
Coe, Mayne R., Jr., and M. R.
- Coe, Mayne R., Jr., Seabrook, Md., and M. R. Coe, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of oils and fats. 2,397,920; Apr. 9.
- Coe, Robert A., Oklahoma City, Okla. Casing elevator. 2,392,462; Jan. 8.
- Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Resin bonded abrasives. 2,401,138; May 28.
- Cofax Corporation, The, assignee: *See*—
Kahn, Milton.
- Coffey, Leland, assignee: *See*—
Estes, Rufus B.
- Coffman, Donald D., Lindamere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Methyl-ethenyl-oxyacetate. 2,399,625; May 7.
- Coffman, Donald D., Lindamere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers. 2,399,626; May 7.
- Coffman, Donald D., Lindamere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of a thiophene. 2,410,401; Oct. 29.
- Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric hydroxamic acids. 2,402,604; June 25.
- Coffman, Donald D., and L. F. Salisbury, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of butadiene with hydrogen bromide. 2,402,873; June 25.
- Coffman, Donald D., and F. C. McGrew, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl polymers. 2,404,791; July 30.
- Coger, Arlis L., Huntsville, Ark. Magnetic meter drive. 2,399,856; May 7.
- Coggins, George F., assignor to Aerovox Corporation, New Bedford, Mass. Aluminum etching. 2,396,688; Mar. 19.
- Coghlan, Charles A., Beacon, assignor to The Texas Company, New York, N. Y. Solvent extraction of unsaturated hydrocarbon mixtures. 2,411,025; Nov. 12.

- Cogovan, Edward J., Albany, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Apparatus for conditioning material. 2,401,412; June 4.
- Cohen, Aaron: See—
- Bergel, Franz, and Cohen.
- Bergel, Franz, Cohen, and Haworth.
- Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Lubricant and preparing same. 2,413,311; Dec. 31.
- Cohen, Charles C., New York, N. Y. Toy. 2,411,614; Nov. 26.
- Cohen, Frank A., Brooklyn, N. Y. Undergarment. 2,392,724; Jan. 8.
- Cohen, Harold, Elizabeth, N. J. Tower or mast. 2,401,229; May 28.
- Cohen, Harold, Elizabeth, N. J. Tower construction. 2,404,276; July 16.
- Cohen, Harold, Elizabeth, N. J. Tower or mast. 2,406,668; Aug. 27.
- Cohen, Harold, Elizabeth, N. J. Appliance. 2,409,929; Oct. 22.
- Cohen, Irving: See—
- O'Connell, Robert J., Cohen, and Rosenblum.
- Cohen, Marshall M., assignee: See—
- Wintsch, Max T.
- Cohen, Matthew: See—
- Rosenberg, Martin, and Cohen.
- Cohen, Maurice M., assignee: See—
- Fichter, Julius.
- Orner, Harry.
- Cohen, Morris, Kansas City, Mo., and G. A. Jorgenson and G. Hasty, Chicago, Ill. assignors to Interstate Bakeries Corporation, Kansas City, Mo. Coating and rolling apparatus or the like. 2,402,874; June 25.
- Cohen, Morris, Kansas City, Mo., and G. A. Jorgenson, Chicago, Ill. assignors to Interstate Bakeries Corporation, Kansas City, Mo. Particle apportioning device. 2,404,694; July 23.
- Cohen, Samuel, Seattle, Wash. Uniform insignia. 2,396,158; Mar. 5.
- Cohen, Samuel L., Newton, Mass. Garment hanger. 2,403,639; July 9.
- Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Control apparatus for coating machines. 2,392,229; Jan. 1.
- Cohen, Theodore A., assignor to Wheelco Instruments Co., Chicago, Ill. Automatic valve. 2,402,732; June 25.
- Cohen, Theodore A., assignor to Wheelco Instruments Company, Chicago, Ill. Automatic burner control apparatus. 2,404,903; July 30.
- Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Control apparatus. 2,410,568; Nov. 5.
- Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Electric oscillator and oscillator controlled relay circuit. 2,411,247; Nov. 19.
- Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Electrical system for controlling the level of liquid in containers. 2,411,248; Nov. 19.
- Cohn, Harold J., Los Angeles, Calif. Rack device. 2,402,127; June 18.
- Cohn, Harold J., assignor of one-half to L. D. Reeder, doing business as L. D. Reeder Co., Los Angeles, Calif. Shower cabinet. 2,394,594; Feb. 12.
- Cohn, Lawrence H., University City, Mo. Bottle carrier. 2,408,249; Sept. 24.
- Coile, Benjamin F., Athens, Ga., assignor to Fidelity Machine Company, Inc., Philadelphia, Pa. Circular knitting machine. 2,399,002; Apr. 23.
- Colbath, Dan L., Schenectady, N. Y., assignor to General Electric Company. Sighting apparatus. 2,406,807; Sept. 3.
- Collerg, Rolf, Berlin-Lichterfelde, and F. Michels, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian. Dynamic multiplier. 2,396,554; Mar. 12.
- Colbert, Edward: See—
- Hedberg, Albert F., and Colbert.
- Colbert, William H., Brackenridge, Pa., assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Rearview mirror. 2,397,947; Apr. 9.
- Colbert, William H., Brackenridge, Pa., and W. L. Morgan, Columbus, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Colored mirror. 2,394,533; Feb. 12.
- Colbert, William H., Brackenridge, Pa., and W. L. Morgan, Columbus, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Making colored mirrors. 2,411,955; Dec. 3.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Evaporating metals. 2,413,604; Dec. 31.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Evaporating metals. 2,413,605; Dec. 31.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,413,606; Dec. 31.
- Colbeth, Ivor M., East Orange, N. J. Process for dehydrating oil. 2,392,119; Jan. 1.
- Colburn, Francis P.: See—
- Withers, Samuel C., Jr.
- Colburn, Richard R., Waterloo, Iowa. Aggregate measurer and feeder. 2,413,293; Dec. 31.
- Cold Metal Process Company, The, assignee: See—
- Goss, Norman P., and Bowler.
- Cole, Allen T., and J. B. Duke, Lakeland, Fla., and L. L. McMurray, Livingston, Va., assignors to Minerals Separation North American Corporation, New York, N. Y. Purification of industrial sands. 2,409,665; Oct. 22.
- Cole, Ben R., assignee: See—
- Mercer, William R., and Cole.
- Cole, Bernard T., Burbage, assignor to B. Toone (Nottingham) Limited, Nottingham, England. Picker mechanism and machines, especially knitting machines, incorporating such mechanism. 2,405,405; Aug. 6.
- Cole, Charles H., Leonia, N. J. Drill jig. 2,411,776; Nov. 26.
- Cole, Edward J., Peekskill, N. Y., assignor to Cole Machinery Mfg. Corp. Making grip nuts. 2,395,037; Feb. 19.
- Cole, Eugene, Bradley Beach, and R. E. McCoy, Eatontown, N. J., assignors to the Government of the United States of America, as represented by the Secretary of War. Radio adapter unit. 2,397,128; Mar. 26.
- Cole, Gilmour N., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cylinder and head connection. 2,399,448; Apr. 30.
- Cole, Harry E., Akron, Ohio. Shot trap for air rifle targets. 2,397,921; Apr. 9.
- Cole Industries, Inc., assignee: See—
- Cole, Louis W., and Jensen.
- Cole, Thomas M.
- Cole, John W.: See—
- Julian, Percy L., and Cole.
- Cole, Louis W., New York, and H. Jensen, Flushing, assignors to Cole Industries, Inc., Long Island City, N. Y. Electric bus bar construction. 2,400,223; May 14.
- Cole, Louis W., New York, and H. Jensen, Flushing, N. Y., assignors to Cole Industries, Inc., Long Island City, N. Y. Bus duct. 2,407,142; Sept. 3.
- Cole Machinery Mfg. Corp., assignee: See—
- Cole, Edward J.
- Cole, Peter, Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Separation of xylenes. 2,393,888; Jan. 29.
- Cole, Quintin P.: See—
- Winnek, Philip S., and Cole.
- Cole, Quintin P., and R. O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. α -amino- α -alkoxybutyric acids and method of preparing the same. 2,407,203; Sept. 3.
- Cole, Richard R., assignor of one-half to L. J. Fagel, Los Angeles, Calif. Solenoid lock actuator. 2,395,164; Feb. 19.
- Cole, Robert M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Treatment of olefinic sulphur-bearing gasoline to effect substantial desulphurization and refining. 2,392,579; Jan. 8.
- Cole, Robert M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Catalytic finishing of gasolines. 2,413,312; Dec. 31.
- Cole, Robert M., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Desulphurization of aromatic hydrocarbons. 2,394,751; Feb. 12.
- Cole, Robert M., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Treatment of sulphide catalysts. 2,398,175; Apr. 9.
- Cole, Robert M., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Catalytic treatment of hydrocarbon oils. 2,406,200; Aug. 20.
- Cole, Robert M., and I. I. Shultz, Long Beach, assignors to the American Cyanamid Company, San Francisco, Calif. Execution of catalytic conversions in the presence of ferrous metals. 2,394,750; Feb. 12.
- Cole, Robert M., and I. I. Shultz, Long Beach, assignors to Shell Development Company, San Francisco, Calif. Effecting catalytic dehydrogenation processes. 2,403,052; July 2.
- Cole, Sanford S., Metuchen, and W. F. Meister, Elizabeth, N. J., assignors to National Lead Company, New York, N. Y. Purification of titanium tetrachloride. 2,396,458; Mar. 12.
- Cole, Thomas M., New York, assignor to Cole Industries, Inc., Long Island City, N. Y. Electric switch. 2,412,494; Dec. 10.
- Colegrove, Charles E., Lakewood, Ohio, assignor to Sears, Roebuck and Company, Chicago, Ill. Sewing machine arm. Re. 2,822; Dec. 24.
- Colegrove, Charles E., Lakewood, assignor to White Sewing Machine Corporation, Cleveland, Ohio. Rotary loop taker for sewing machines (magnetic). 2,394,369; Feb. 5.
- Colegrove, Charles E., Lakewood, Ohio, assignor, by mesne assignments, to Sears, Roebuck & Company, Chicago, Ill. Head elevating device for sewing machines. 2,398,696; Apr. 16.

- Colegrove, Nathaniel E., Cleveland, Ohio, assignor to Sears, Roebuck & Company, Chicago, Ill. Sewing machine. 2,398,697; Apr. 16.
- Coleman, Benjamin F., Prentiss, Miss. Multibarrel machine gun. 2,404,277; July 16.
- Coleman, Fred H., Philadelphia, Pa. Filling primers. 2,395,104; Feb. 19.
- Coleman, Gerald H.: *See*—
Britton, Edgar C., Coleman, and Clack.
- Coleman, Gerald H., and B. C. Hadler, assignors to The Dow Chemical Company, Midland, Mich. Unsaturated esters of halo-aryloxy alcohols. 2,394,512; Feb. 5.
- Coleman Lamp and Stove Company, The, assignee: *See*—
Martin, Russell.
Olds, Ambrose D.
Tullis, Boyd W.
- Coleman, Ralph A., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Manufacture of aryl sulphenamides. 2,404,695; July 23.
- Cole's Hot Blast Mfg. Co., assignee: *See*—
Brown, Elwood W.
- Coley, James P., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Track circuit signaling system for railways and the like. 2,400,811; May 21.
- Coley, Silas B., assignee: *See*—
Reavis, Charles N.
- Colgate-Palmolive-Peet Company, assignee: *See*—
Childers, Harry F.
Ittner, Martin H.
McGhie, Russell P.
Percy, Joseph H.
Potter, Dwight J.
Richardson, Earl L., and Russell.
Trent, Walter R.
- Colgate, Robert B., assignee: *See*—
Brandt, Robert L.
- Collar, Glenn P., and R. C. Young, Seattle, Wash. Crystal filter circuit. 2,405,999; Aug. 20.
- Collard, John, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. High frequency transformer. 2,395,165; Feb. 19.
- Colley, George F., assignor to W. R. Beddingfield, Augusta, Ga. Tire removing apparatus. 2,406,996; Sept. 3.
- Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inflatable protective container. 2,401,230; May 28.
- Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tool for collapsing hollow rivets. 2,403,262; July 2.
- Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Partitioned inflatable suit. 2,404,567; July 23.
- Colley, Russell S., Kent, C. P. Krupp, Akron, and D. H. Shook, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Inflatable suit. 2,410,632; Nov. 5.
- Colley, Sherrell V., Fort Smith, Ark. Rear projection device. 2,396,251; Mar. 12.
- Collier-Kayworth Company, assignee: *See*—
Sheldrick, Henry W., and Hoglund.
- Collins & Aikman Corporation, assignee: *See*—
Conrad, John E.
- Collins, Arthur A., Cedar Rapids, Iowa, assignor to Collins Radio Company. Calibration system for radio receivers. 2,393,856; Jan. 29.
- Collins, Arthur A., Cedar Rapids, Iowa, assignor to Collins Radio Company. Tuning device clutch. 2,409,192; Oct. 15.
- Collins, Arthur E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Spraying apparatus. 2,404,217; July 16.
- Collins, Calhoun, Bakersfield, Calif. Combined leg rest and table. 2,403,263; July 2.
- Collins, Clarence P., Titusville, Pa. Magnetic motor. 2,408,375; Oct. 1.
- Collins, Clyde M., Willamina, Ore. Electrical control for stanchions for dairy cattle breds. 2,402,239; June 18.
- Collins, Douglas, Salisbury, N. C. Windshield wiper. 2,392,230; Jan. 1.
- Collins, Douglas, Salisbury, N. C. Throttle and starter control mechanism. 2,399,542; Apr. 30.
- Collins, Henry M.: *See*—
Morrison, George O., and Collins.
- Collins, Henry M., and M. Klar, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, West Montreal, Canada. Stable emulsions of vinyl esters. 2,398,344; Apr. 16.
- Collins, Howard E., La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating and apparatus therefor. 2,398,288; Apr. 9.
- Collins, Howard W., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Bonding glass fabrics to inorganic solids. 2,404,904; July 30.
- Collins, Norman C., assignor to Solar Aircraft Company, San Diego, Calif. Torque indicating tool. 2,400,978; May 28.
- Collins, Olive R. B., heir: *See*—
Balmforth, Alfred.
- Collins, Paul C., Norwood, Pa., assignor to The Baldwin Locomotive Works. Equalizing system. 2,400,685; May 21.
- Collins Radio Company: *See*—
Davis, Frank M.
- Collins Radio Company, assignee: *See*—
Collins, Arthur A.
May, Richard W.
Olson, Roy H.
Reinschmidt, Edward H.
Wirkler, Walter H.
- Collins, Ralph D., assignee, et al.: *See*—
Geraty, Paul C.
- Collins, Robert A., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Refining sulphate turpentine. 2,409,614; Oct. 22.
- Collins, Robert B., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for measuring carbonaceous deposits. 2,404,474; July 23.
- Collins, Ronald B.: *See*—
Waller, Cecil, Collins, and Dodd.
- Collins, Ronald B., Ilford, and J. Miller, Nottingham, assignors to Ilford Limited, Ilford, England. Photographic material. 2,411,507; Nov. 26.
- Collins, Stephen B., Youngstown, assignor to The Astatic Corporation, Conneaut, Ohio. Transducer. 2,395,166; Feb. 19.
- Collinson-Jones, Norman: *See*—
Moon, Cecil P., and Collinson-Jones.
- Collom, Cletus J., assignee: *See*—
Undy, Gustav.
- Collom, Cletus J., and G. E. Undy; said Undy assignor to C. J. Collom, Detroit, Mich., an individual, doing business as Weltronic Company. Electrical control apparatus. 2,395,849; Mar. 5.
- Collura, Francesco, New York, N. Y., assignor to The Torrington Manufacturing Co., Torrington, Conn. Electric fan assembly. 2,395,167; Feb. 19.
- Colman, George, Red Bank, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War. Indicating the presence of radio frequency fields. 2,395,850; Mar. 5.
- Colman, Howard D., deceased, by H. A. Severance, executor, assignor to Barber-Colman Company, Rockford, Ill. Gearing. 2,397,777; Apr. 2.
- Colombo, Achille, New York, N. Y. Typewriting machine. 2,399,788; May 7.
- Colonial Broach Company, assignee: *See*—
Thompson, Richard A.
Welte, Benedict.
- Colonial Radio Corporation, assignee: *See*—
Birrr, Edmund E.
Carlson, Robert W., and Nicholson.
Herrold, George W.
Nicholson, Madison G., Jr.
Pifer, Marion J., Carlzen, and McGarvey.
- Colonial Radio Corporation, assignee, et al.: *See*—
Benner, Howard J.
- Colorado Fuel & Iron Corporation, The, assignee: *See*—
Bailey, William H.
- Colt, Edwin W.: *See*—
Ralston, Anderson W., Crews, and Colt.
- Coltman, John W., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high-frequency power measuring device. 2,408,198; Sept. 24.
- Colton, Merritt Q., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Return bend fitting. 2,402,533; June 25.
- Colt's Patent Fire Arms Manufacturing Company, assignee: *See*—
McCure, Laurence H., Jr.
Webb, George.
- Columbia Broadcasting System, Inc., assignee: *See*—
Goldmark, Peter C.
- Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.
- Columbia Protektosite Company, Inc., assignee: *See*—
Baldanza, Nicholas T., and Desimone.
Desimone, Anthony J., and Mazza.
- Columbian Carbon Company, assignee: *See*—
Johnson, Bernard, and Packer.
- Columbus Dental Manufacturing Company, assignee: *See*—
Sigveland, Ivar E.
- Columbus McKinnon Chain Corporation, assignee: *See*—
Kieffer, Raymond J.
- Colvin, Nolan D., assignor to Deere & Company, Moline, Ill. Dump rake toggle release device. 2,399,789; May 7.
- Colwell, Archie T., Cleveland, Ohio, assignor to Thompson Products, Inc. Hollow poppet valve. 2,394,150; Feb. 5.
- Colwell, Roland W., Los Angeles, Calif. Garment hanger. 2,401,413; June 3.
- Combined Locks Paper Co., assignee: *See*—
Nugent, Gerald D., and Pienzenberg.
- Combining Metals Reduction Company, assignee: *See*—
Christensen, Niels C.
- Combridge, George A., Los Angeles, Calif. Welding rod holder. 2,405,406; Aug. 6.
- Combs, Edward E., Long Branch, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War. Hand reel. 2,393,613; Jan. 29.

- Combustion Engineering Company, Inc., assignee: *See—*
Armcast, Wilbur H., and Schoenfeld.
Crites, Joe.
Frangquist, Gustav H.
Harlow, Walter F.
Jackson, George P.
Kreisinger, Henry, and Caracristi.
Combustion Equipment Company, assignee: *See—*
Atwater, Harry A.
Gordon, Charles W.
Jackson, George P., and Patterson.
Powell, E. M., and Patterson.
Schoenfeld, David M.
Combustion Processes Company, assignee: *See—*
Urquhart, Norman J.
Comet Model Airplane & Supply Company, Incorporated, assignee: *See—*
Alliez, André G.
Barr, Willie L.
Corney, Fred H., assignor to The General Tire & Rubber Company, Akron, Ohio. Bead clamp for pneumatic tires. 2,409,666; Oct. 22.
Comfort, Samuel T.: *See—*
Richards, Dwight, and Comfort.
Comfy Manufacturing Company, The, assignee: *See—*
Warach, Theodore.
Comiskey, Anthony T., Sr., Chicago, Ill. Motorcycle windshield. 2,396,493; Mar. 12.
Commerce, United States of America as represented by the Secretary of, assignee: *See—*
Brenner, Abner, and Olson.
Hunter, Richard S.
Commercial Controls Corporation, assignee: *See—*
Ryan, Commodore D.
Ryan, Commodore D., Dempsey, Straub, and Tyler.
Ryan, Commodore D., Sager, and Bergmark.
Commercial Shearing & Stamping Company, The, assignee: *See—*
White, Thomas L.
Commercial Solvents Corporation, assignee: *See—*
Baker, Philip J., Jr.
Bogin, Charles.
Johnson, Harold G.
Linco, Shirley P.
Morey, Glen H.
O'Loughlin, Walter K.
Roblnette, Hillary, Jr.
Senkus, Murray.
Tindall, John B.
Tryon, Philip F.
Wampner, Herbert L.
Compagnia Industrial, assignee: *See—*
Schmidt, Germain, and Edwards.
Compton, Adrian, assignor to American Sterilizer Company, Erie, Pa. Fracture table or similar structure. 2,396,640; Mar. 19.
Compo Shoe Machinery Corporation, assignee: *See—*
Dawson, Fred, and Smith.
Stratton, Michael G.
Taylor, Thomas T.
Composite Rubber Products Corporation, assignee: *See—*
Hoskins, Oakley W.
Compton, Henry P., and J. A. Autry, Abilene, Tex. Dispensing machine. 2,400,104; May 14.
Compton, Jack, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Improving the adhesion of nylon to rubber. 2,402,021; June 11.
Compton, James A., South Euclid, and N. W. Horn, assignors to PESCO Products Co., Cleveland, Ohio. Relief valve. 2,393,339; Jan. 29.
Compton, Justin S., Lebanon, assignor to The National Cash Register Company, Dayton, Ohio. Electronic device. 2,398,771; Apr. 23.
Compton, Justin S., Lebanon, and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Electronic counting device. 2,402,372; June 18.
Compton, Robin D., Westport, Conn. assignor to Radio Corporation of America. Television control system. 2,407,403; Sept. 10.
Compton, Walter A., and R. S. Nicholls, assignors to Miles Laboratories, Inc., Elkhart, Ind. Vitamin B-complex tablet. 2,408,741; Sept. 3.
Conant, Alan B., San Francisco, Calif., assignor to Montgomery Brothers. Duplex sound recording and reproducing machine. 2,410,569; Nov. 5.
Conant, John H.: *See—*
Tarbell, John C., and Conant.
Conanston, Edward W.: *See—*
Blume, William A., and Conanston.
Conaway, Paul L., Wellsburg, W. Va. Attaching means for downspout or conductor pipe. 2,396,086; Mar. 5.
Conaway, Raymond E.: *See—*
Hulburt, George D., and Conaway.
Conaway, Rollin F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermal stretching of cellulose derivative yarn. 2,395,396; Feb. 26.
Concannon, Harry E., Oklahoma City, Okla. Skirt hanger. 2,400,058; May 7.
Concepcion, Alberto A., Detroit, Mich. Kite. 2,403,212; July 2.
Condit, Paul A., and K. Ruhl, assignors to Cooper-Besmer Corporation, Mount Vernon, Ohio. Compressor regulating apparatus. 2,401,910; June 11.
Condit, Paul G.: *See—*
Denison, George H., Jr., and Condit.
Conditioned Air Equipment Co., assignee: *See—*
Milloit, Arthur T., and Graham.
Condon, Edward U., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency-oscillation generator or amplifier. 2,399,325; Apr. 30.
Cone Automatic Machine Company Inc., assignee: *See—*
Miller, Carroll E., and Parker.
Cone, Carroll, near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. Continuous strip wiping apparatus. 2,413,216; Dec. 24.
Cone, Charles N., assignor to M and M Wood Working Company, Portland, Oreg. Glue and manufacture therefor. 2,400,541; May 21.
Cone, James H., and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Electron tube. 2,398,772; Apr. 23.
Cone, John H., Goose Creek, Tex., assignor to Standard Oil Development Company. Separating olefins from a hydrocarbon stream. 2,400,340; May 14.
Cones, Ben, Indianapolis, Ind. Side creeper. 2,401,295; June 4.
Cones, Ben, Indianapolis, Ind. Piston. 2,408,915; Oct. 8.
Coney, James D., Chicago, Ill. Garment hanger. 2,391,947; Jan. 1.
Congoleum-Nairn Inc., assignee: *See—*
Beerli, George A. G.
Spitzli, Donald H., and Charlton.
Conklin, Frederick R.: *See—*
Brant, Joseph L., and Conklin.
Conklin, James W., Indianapolis, Ind., assignor to Radio Corporation of America. Remote control system. 2,403,053; July 2.
Conklin, James W., Indianapolis, Ind., assignor to Radio Corporation of America. Remote control system. 2,410,599; Nov. 5.
Conlan, David, Brooklyn, assignor to Conlan Electric Corporation, New York, N. Y. Plug and switch box. 2,397,595; Apr. 2.
Conlan Electric Corporation, assignee: *See—*
Conlan, David.
Conlee, George D.: *See—*
de Ganahl, Carl, Stafford, and Conlee.
Conley, John E., Memphis, Tenn. Railway frog. 2,405,407; Aug. 6.
Conley, Weld E. Jr.: *See—*
Smith, Horace L., Jr., Conley, and Atwood.
Conlon Corporation, assignee: *See—*
Babcock, Henry H.
Freis, Frederick M.
Conlon, Emerson W., U. S. Navy. Aircraft construction. 2,392,835; Jan. 15.
Conmar Products Corporation, assignee: *See—*
Rabinow, David.
Siff, George A.
Conn, Alfred J., and R. B. Stanley, assignors to La Salle Designing Company, Chicago, Ill. Machine tool. 2,396,594; Apr. 30.
Conn, C. G., Ltd.: *See—*
Kent, Earle L.
Conn, C. G., Ltd., assignee: *See—*
Greenleaf, Leland B.
Kent, Earle L.
Conn, Joseph W., U. S. Navy. Sound operated relay. 2,391,882; Jan. 1.
Connecticut Electric Manufacturing Company, The, assignee: *See—*
Fitzgerald, George E.
Connecticut Telephone & Electric Division, Great American Industries, Incorporated, assignee: *See—*
Hellmann, Reinhard K.
Reinhardt, George, and Hellmann.
Connelly, John R., and S. W. Fish, Springfield, Mass. Wrapping wire reinforcing retainer lock. 2,406,354; Aug. 27.
Connelly, Robert T., Duluth, Minn. Scriber. 2,409,106; Oct.
Conner, Clarence L., McFarland, Calif. Reversing mechanism for power operated drills. 2,409,738; Oct. 22.
Conner, Guy O., Wheeling, W. Va. Forming machine and feeding device therefor. 2,394,534; Feb. 12.
Conner, Guy O., Wheeling, W. Va. Forming machine. 2,406,808; Sept. 3.
Conner, Guy O., Wheeling, W. Va. Forming machine. 2,407,253; Sept. 10.
Conner, Guy O., Cleveland Heights, Ohio. Forming machine. 2,407,252; Sept. 10.
Conner, William S., Long Beach, and C. B. Wilkie, Los Angeles, assignors to Douglas Aircraft Company Inc., Santa Monica, Calif. Firing range butt. 2,411,026; Nov. 12.
Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,396,641; Mar. 19.
Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,398,773; Apr. 23.

- Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of synthetic gels. 2,405,408; Aug. 6.
- Connors, James S.: *See*—
Latchum, John W., Jr., and Connors.
- Connors, John T., Joliet, Ill. Photograph and letter press. 2,399,857; May 7.
- Conover, James H.: *See*—
Frost, Orcutt W., and Conover.
- Conrad, Arthur E. and E., Minneapolis, Minn. Toy. 2,398,920 Apr. 23.
- Conrad, Eleanor: *See*—
Conrad, Arthur E. and E.
- Conrad, John E., Bala-Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Article and treatment of casein fibers. 2,412,125; Dec. 3.
- Conrad, John E., Alton, Ill., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Treatment of casein fibers. 2,412,126; Dec. 3.
- Conrad, Marcus L., Mundelein, assignor to The Frank G. Hough Co., Libertyville, Ill. Tractor shovel. 2,412,323; Dec. 10.
- Conrad, Matthew, by judicial change of name: *See*—
Rosenberg, Martin, and Cohen.
- Conradty, Ottmar, Rothenbach on the Pegnitz, Germany; vested in the Allen Property Custodian. Insulated carbon body. 2,394,041; Feb. 5.
- Conroy, Charles L., assignor of one-half to W. Fritsch, Libertyville, Ill. Permanently attaching hose couplings. 2,399,790; May 7.
- Conroy, Charles L., Libertyville, Ill. Hose coupling. 2,399,791; May 7.
- Consolidated Car Heating Company, Inc., assignee: *See*—
Griffin, Percy M.
Hamilton, Wallace.
Parsons, Robert J.
- Consolidated Engineering Corporation, assignee: *See*—
Hoover, Herbert, Jr.
Lawlor, Reed C.
McNamee, Bernard F.
Metcalf, Herbert E.
Olesen, Raymond C.
Washburn, Harold W.
Washburn, Harold W., and Taylor.
Washburn, Harold W., and Wiley.
Wheaton, Elmer P., and Ostergren.
Zakowsky, Vladimir M.
- Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Betz, Paul L.
- Consolidated Investing Company, assignee: *See*—
Back, Morris B.
- Consolidated Mining and Smelting Company of Canada, Limited, The, assignee: *See*—
Williams, Lloyd, Wright, and Hendricks.
- Consolidated Packaging Machinery Corporation, assignee: *See*—
Allen, Howard G.
Allen, Howard G., and Kenison.
- Consolidated Paper Company, assignee: *See*—
Finn, Harry W.
Manor, Willard O.
- Consolidated Paper Corporation Limited, assignee: *See*—
Freeman, Horace.
- Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Inewer, Max, and Schwartz.
- Consolidated Vultee Aircraft Corporation, assignee: *See*—
Blocher, Ora G.
Bonnell, Lauren W., and Sharp.
Breiwiesser, Charles J.
Campbell, Bernard J., and Hilton.
Dina, Salvatore B.
Flood, Edmund L.
Growald, Henry K.
Hall, Theodore P.
Hall, Theodore P., and Smith.
Harrison, Verne S.
Keller, William C., and Fuday.
Kittel, Howard S.
Klose, Alfred J.
Kosek, Joseph A.
Livers, Carlos B.
Palmer, Richard W., and Hudson.
Rethorst, Scott.
Rocheville, Harry D.
Sanz, Manuel.
Saville, William S.
Sines, Harvey S.
Sutton, Harry A.
Wheeler, Henry L.
- Constantine, Euripides H., Brooklyn, N. Y. Formula for treating tobacco. 2,399,911; May 7.
- Container Corporation of America, assignee: *See*—
Carder, Frank C.
Cass, Thomas F., Jr.
Holy, Mitchell E.
Jacobson, Egbert.
Kincaid, Albert B.
Van Saun, Raymond II.
- Conterman, Fred A., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Roll pressure adjuster for wringers. 2,405,641; Aug. 13.
- Conti, Eugene, Jackson Heights, N. Y., assignor to Herz Manufacturing Corporation. Cup forming machine. 2,411,082; Nov. 12.
- Continental Aviation & Engineering Corporation, assignee: *See*—
Bachle, Carl F.
Kinnucan, James W.
Kinnucan, James W., and Prescott.
- Continental Can Company, Inc., assignee: *See*—
Coyle, John.
Coyle, John, and Punte.
England, Isaac W., and Punte.
Fink, Henry A.
Fink, Henry A., and Blosser.
Fukal, Alfred F.
Gazette, Marshall E.
Hatch, Alexander G.
Kronquest, Alfred L.
Larson, Ralph A.
Maier, Curtis E.
Mero, Ralph M., and Treff.
Minaker, Herbert L.
O'Brien, Frank J.
O'Neil, James H.
Palmer, Wilson G.
Punte, William F.
Schrader, Herbert.
Sedwick, Matthew M.
Seigh, Joseph W.
Yang, Alfred.
Zurcher, Paul.
- Continental Carbon, Inc., assignee: *See*—
Kohring, Elbur M.
- Continental Carpet Corporation, assignee: *See*—
Ford, Richard E., and Hunt.
- Continental Diamond Fibre Company, assignee: *See*—
Stewart, Robert, and Ploger.
- Continental Gin Company, assignee: *See*—
Deems, Frank E.
Smith, Algernon L.
- Continental Machines, Inc., assignee: *See*—
Firth, Charles V.
Wilkie, James W., and Franklin.
- Continental Motors Corporation, assignee: *See*—
Altman, Peter.
Ginn, Earl.
Vincent, Edward T.
- Continental Oil Company, assignee: *See*—
Zurcher, Paul.
- Continental Research Corporation, assignee: *See*—
Gayer, Frederick H., and Fawkes.
- Continental Turpentine & Rosin Corp., Inc., assignee: *See*—
Kressman, Frederick W.
Kressman, Frederick W. and F. W., Jr.
- Continental-United Industries Co., Inc., assignee: *See*—
Snyder, Leland H.
- Continuous Hinge Company, The, assignee: *See*—
Cudini, Roger G.
- Contner, J. Burgi, New York, N. Y. Film-feeding mechanism. 2,410,962; Nov. 12.
- Contner, J. Burgi, New York, N. Y., assignor to Great American Industries, Inc., Meriden, Conn. Printing apparatus. 2,412,252; Dec. 10.
- Control Instrument Company, Inc., assignee: *See*—
Braun, Karl J.
Libman, Earl E.
Libman, Earl E., and Lehde.
- Convenient Carrier Corporation, assignee: *See*—
Bassichis, William M.
Edgerton, Arthur H.
- Conveyor Company, The, assignee: *See*—
Saxe, Walter E.
- Conway, Hugh G., Warrington, England, assignor to Aerobaudes & Mechanical Investments Limited. Electrical remote control device. 2,397,922; Apr. 9.
- Conway, James H., Detroit, Mich. Closure. 2,397,948; Apr. 9.
- Conzelman, John E., Jr., assignor to Solar Aircraft Company, San Diego, Calif. Apparatus for die-forming sheet material. 2,409,254; Oct. 15.
- Conzett, Achille, assignor to J. R. Geigy A. G., Basel, Switzerland. O'-Dihydroxy azo dyestuffs and their manufacture. 2,405,816; Aug. 13.
- Conzett, Achille, and G. Schetty, assignors to J. R. Geigy A. G., Basel, Switzerland. Chromable dyestuffs and process of making same. 2,398,358; Apr. 16.
- Conzett, Achille, Basel, and O. Schmid, Muttens, near Basel, assignors to J. R. Geigy A. G., Basel, Switzerland. Preparing mordant triazolo dyestuffs. 2,412,707; Dec. 17.
- Cook, Anna M., administratrix: *See*—
Cook, Harry L.
- Cook, Curtiss L., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Subsoiler. 2,401,139; May 28.
- Cook, Earle S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake apparatus. 2,407,870; Sept. 17.
- Cook Electric Company, assignee: *See*—
Hasselhorn, Walter C.

- Cook, Ellsworth, Scotia, N. Y., assignor to General Electric Company. Secret signaling system. 2,399,469; Apr. 30.
- Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of n,n'-dicycloaliphatic-p-phenylenediamines. 2,393,889; Jan. 29.
- Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Crankcase lubricant. 2,395,105; Feb. 19.
- Cook, Elmer W., New York, N. Y., and E. O. Hook, Norwalk, Conn., assignors to American Cyanamid Company. Resinous vulcanization accelerators. 2,411,413; Nov. 19.
- Cook, Eugene B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Screen vibrating mechanism. 2,403,502; July 9.
- Cook, Fay V., and J. R. Polston, assignors to Stanolind Pipe Line Company, Tulsa, Okla. Bearing adjusting means. 2,403,171; July 2.
- Cook, George W., Los Angeles, Calif. Fluid actuated collet chuck. 2,393,458; Jan. 22.
- Cook, George W., Los Angeles, assignor of ninety per cent to L. W. Miller, Glendale, Calif. Chuck. 2,395,534; Feb. 26.
- Cook, George W., Washington, D. C. Electronic circuit. 2,398,411; Apr. 19.
- Cook, Harry L., deceased, by A. M. Cook, administratrix, North Huntingdon Township, Westmoreland County, Pa. Air and fluid pressure cushion device. 2,410,716; Nov. 5.
- Cook, Herbert A., Jr., assignor to Auburn Button Works, Inc., Auburn, N. Y. Applying plastic coatings to flexible strips and the like. 2,401,550; June 4.
- Cook, Herbert A., Jr., assignor to Auburn Button Works, Inc., Auburn, N. Y. Apparatus for applying plastic coatings to flexible strips and the like. 2,401,551; June 4.
- Cook, James; See—
- McSpadden, Donovan M., and Cook.
- Cook, James A., assignor to Arma Manufacturing Company, Inc., Buffalo, N. Y. Apparatus for filling life preservers and the like. 2,410,015; Oct. 29.
- Cook, Jay E., Los Angeles, Calif. Liquid level control. 2,398,921; Apr. 23.
- Cook, John A., San Francisco, Calif. Pontoon metering valve and combination. 2,412,305; Dec. 16.
- Cook, John A., San Francisco, Calif. Collapsible salvage pontoon. 2,413,313; Dec. 31.
- Cook, John V., Wilmette, assignor to The Peterson Oven Company, Chicago, Ill. Baking oven. 2,397,726; Apr. 2.
- Cook, Joseph F., Jr., West Roxbury, Mass. Mine firing system. 2,396,914; Mar. 19.
- Cook, Leon W., Beacon, assignor to The Texas Company, New York, N. Y. Conversions of hydrocarbons. 2,398,819; Apr. 23.
- Cook, Lowell L.; See—
- Gifford, Carl E., and Cook.
- Cook, Martin L.; See—
- Le Vesconte, Harold J., and Cook.
- Cook, Percy, Waltham, Mass. Method of and apparatus for handling fabric webs. 2,411,414; Nov. 19.
- Cook, Stanley S., and L. M. Douglas, assignors to The Parsons Marine Steam Turbine Company Limited, Wallsend-on-Tyne, England. Elastic fluid turbine. 2,392,463; Jan. 8.
- Cook, Stanley S., and L. M. Douglas, assignors to The Parsons Marine Steam Turbine Company Limited, Wallsend-on-Tyne, England. Elastic fluid turbine. 2,396,159; Mar. 5.
- Cook, William H., Toledo, Ohio. Piston and cylinder device. 2,405,016; July 30.
- Cooke, Ernest A., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Linear dimension gauge. 2,412,127; Dec. 3.
- Cooke, Giles B.; See—
- McMann, Charles E., Elder, Cooke, and Dornblatt.
- Cooke, Giles B., and F. J. Gavin, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Coating material and composition. 2,394,843; Feb. 12.
- Cooke, William A., assignee; See—
- Affleck, Theodore H.
- Cooke, William T.; See—
- Jenks, Frederic A., Pollard, Maeder, and Cooke.
- Cooley, John; See—
- Dutton, Harold R., and Cooley.
- Dillenback, Garrett V., and Cooley.
- Cooley, Austin G., assignor to Times Telephoto Equipment Inc., New York, N. Y. Moving web recording machine. 2,397,535; Apr. 2.
- Cooley, Austin G., assignor to Times Telephoto Equipment Inc., New York, N. Y. Telephoto system. 2,404,566; July 23.
- Cooley, Austin G., assignor to Times Telephoto Equipment Inc., New York, N. Y. Remote-control system and apparatus. 2,411,147; Nov. 19.
- Cooley, Elihu H.; See—
- Hayward, John T., and Cooley.
- Cooley, Hugh T., assignee, et al.; See—
- Cooley, William J.
- Cooley, James G., assignee, et al.; See—
- Cooley, William J.
- Cooley, Pemberton, Jr., assignee, et al.; See—
- Cooley, William J.
- Cooley, William J., Lawrenceville, Ga., assignor of one-fourth to P. Cooley, Jr., one-fourth to H. T. Cooley, and one-fourth to J. G. Cooley. Aircraft wing structure. 2,402,733; June 25.
- Cooldice, Cole, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Surface useful materials. 2,399,208; Apr. 30.
- Coombes, Joseph H.; See—
- Eksbergian, Carolus L., and Coombes.
- Eksbergian, Carolus L., Coombes, and Ganesle.
- Coombes, Joseph H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,394,151; Feb. 5.
- Coombes, Joseph H., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake mechanism. 2,406,201; Aug. 20.
- Coon, Grant W., assignor to Magnaflex Corporation, Chicago, Ill. Magnetic testing. 2,394,152; Feb. 5.
- Cooney, John T., Hollywood, Calif. Cream fountain rasps. 2,392,775; Jan. 15.
- Coons, Burton C., assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for feeding fruit and vegetables. 2,398,922; Apr. 23.
- Coons, Burton C., assignor to Food Machinery Corporation, San Jose, Calif. Apparatus for feeding and stemming fruit. 2,401,463; June 4.
- Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,400,191; May 14.
- Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,400,192; May 14.
- Cooper, Alfred, and D. E. Partington, assignors to Expanded Rubber Company Limited, Croydon, England. Manufacture of expanded thermoplastic resinous compositions. 2,405,345; Aug. 6.
- Cooper, Barnett, Maeda Bank, London, England. Stocking protector. 2,394,844; Feb. 12.
- Cooper, Benjamin, Netcong, N. J. Automatic weighing scale. 2,392,023; Jan. 1.
- Cooper, Benjamin, New York, N. Y., and A. F. Hohmann, Teaneck, N. J.; said Hohmann assignor to said Cooper. Cigarette lighter. 2,404,435; July 23.
- Cooper-Bessemer Corporation, assignee; See—
- Condit, Paul A., and Ruhl.
- Cooper, Hugh M., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Gas-scrubbing apparatus. 2,398,345; Apr. 16.
- Cooper Development Company, assignee; See—
- Cooper, Thomas B., and Schulz.
- Cooper, Dexter P., Jr.; See—
- Fairbank, Murray N., and Cooper.
- Land, Edwin H., and Cooper.
- Roger, Howard G., and Cooper.
- Cooper, Dexter P., Jr., assignor to Polaroid Corporation, Cambridge, Mass. Ophthalmic device. 2,397,243; Mar. 26.
- Cooper, Dexter P., Jr., assignor to Polaroid Corporation, Cambridge, Mass. Mold for use in the manufacture of optical elements. 2,406,742; Sept. 3.
- Cooper, Edward B., Glen Ridge, and M. L. Macht, Jersey City, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Gripping device. 2,401,050; May 28.
- Cooper, Elbert M. Selby, Calif., assignor to American Smelting and Refining Company, New York, N. Y. Flow for rotary chargers. 2,392,231; Jan. 1.
- Cooper, Fred E., Los Angeles, Calif. Fluid pressure motor. 2,397,778; Apr. 2.
- Cooper, Hugh M., Cleveland, Ohio, assignor to Cooper-Wilford Beryllium Ltd., Philadelphia, Pa. Producing castings of aluminum-beryllium alloys. 2,399,104; Apr. 23.
- Cooper, Jacob B., Park Ridge, N. J. Electrical switch. 2,402,867; Aug. 19.
- Cooper, Joseph H., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Control of flash welding. 2,404,620; July 23.
- Cooper, Peter, Corporation, assignee; See—
- Turt, Richard, Jr., Hubbard, and McKee.
- Cooper, Roland S., River Forest, Ill., and S. Holm, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Air preheater for pulverizing mills. 2,410,337; Oct. 29.
- Cooper, Thomas B., Philadelphia, Pa., and W. H. Schulz, West Chester, Ohio, assignors to Cooper Development Company, New York, N. Y. Apparatus for recovering metals. 2,404,364; July 23.
- Cooper-Wilford Beryllium, Ltd., assignee; See—
- Cooper, Hugh S.
- Cooper, William B., and C. E. Glock, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Electroplating tin. 2,392,646; Jan. 8.
- Copeland, Robert J., assignee; See—
- Bloor, Ernest J.
- Copeland, Robert J., Toronto, and E. J. Bloor, Brampton, Ontario, Canada, said Bloor assignor to said Copeland. Temporary attachment for manufacturing. 2,392,622; Jan. 8.
- Copp, George W., Forest Hills, N. Y. Child's convertible chair. 2,399,792; May 7.

- Copperweld Steel Company, assignee: *See*—
Holmquist, Carl W.
- Copping, Kenneth L. G.: *See*—
Hackett, James W., and Copping.
- Coppock, Philip D., Epsom Downs, and D. J. Hadley, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Production of vinyl esters. 2,398,830; Apr. 23.
- Copthorne, Howard N., Winetka, Ill., assignor to United States Steel Supply Company. Paint compositions. 2,411,192; Nov. 19.
- Corbell, Sherman F., Clifton, Ariz. Tire tool. 2,402,022; June 11.
- Corbett, Herbert A.: *See*—
De Witt, William J., and Corbett.
- Corbett, John P., Van Nuys, Calif. Baseball base. 2,405,492; Aug. 6.
- Corbett, Lawrence B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Printing screen. 2,405,291; Aug. 6.
- Corbin, Douglas H., Dunstable, England, assignor to General Motors Corporation. Spark plug and manufacture thereof. 2,400,917; May 28.
- Corbin, Fred A., Gary, and H. F. Netzhammer, Hobart, Ind. Apparatus for controlling the pressure of furnace gases. 2,394,595; Feb. 12.
- Corby, Joseph P., Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Plate steel casing joint for rotary hydraulic machines. 2,410,201; Oct. 29.
- Corcanges, Alfred A., Greenville, S. C. Radio controlled signal and illuminating system for airways. 2,407,949; Sept. 17.
- Corcoran, James P., West Los Angeles, assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Antiducking device for film feeding mechanisms. 2,406,186; Aug. 20.
- Corcoran, Josephine C., assignee: *See*—
Nunn, Elizabeth T.
- Corderman, Roy C., Chevy Chase, Md., assignor to American Telegraph and Telegraph Company. Privacy system. 2,401,464; June 4.
- Cordero, Tulio, Merion Station, Pa., assignor to United-Rexall Drug Company. Transparent mixture. 2,402,373; Jan. 18.
- Cordi, Leander L., Redding, Calif. Novelty squawk-type shoe. 2,412,543; Dec. 31.
- Cordie, Cornell H., assignor to Hercules Powder Company, Wilmington, Del. Explosive cartridge assembly. 2,401,140; May 28.
- Cordie, Cornell H., and R. W. Lawrence, assignors to Hercules Powder Company, Wilmington, Del. Free-flowing ammonium nitrate composition. 2,399,987; May 7.
- Cordon, Ralph P., New York, N. Y. Toy top. 2,404,947; July 30.
- Corey, Horace E., Denville, and F. Wright, Trenton, N. J., assignors to American Telephone and Telegraph Company. Subscribers' line testing system. 2,393,236; Jan. 22.
- Corey, Lorin A., Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread-advancing reel. 2,413,217; Dec. 24.
- Corey, Walter B., Inkster, Mich. Warning signal. 2,409,018; Oct. 8.
- Corhart Refractories Company, assignee: *See*—
Fleld, Theodore E.
- Cork, Edward C., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Apparatus for measuring high frequency voltages. 2,395,851; Mar. 5.
- Corley, Hoyt M., assignor to Armour and Company, Chicago, Ill. Destruction of algae. 2,393,293; Jan. 22.
- Cornier, Louis A., West Hempstead, N. Y. Jeweler's wrench. 2,403,364; July 2.
- Cormier, Louis A., West Hempstead, assignor to Hammel, Riglander & Co. Inc., New York, N. Y. Watchcase tool. 2,408,737; Oct. 8.
- Corn, C. G., Ltd., assignee: *See*—
Kent, Earle L.
- Corn, Joseph H., and F. E. Scott, Knoxville, Tenn. Brush rack. 2,402,374; June 18.
- Corn Products Refining Company, assignee: *See*—
Bulfer, August J.
- Leuck, Gerald J.
- Cornelius, George W., Dayton, Ohio, assignor to Flight Transportation, Inc. Airplane. 2,406,588; Aug. 27.
- Cornelius, Richard T., Minneapolis, Minn. Motor pump unit. 2,393,237; Jan. 22.
- Cornelius, Richard T., Minneapolis, Minn. Piston. 2,410,405; Nov. 5.
- Cornell, Dana R., East Chicago, Ind., assignor to Standard Forgings Corporation, Chicago, Ill. Making dished disk wheels. 2,406,062; Aug. 20.
- Cornell-Dubilier Electric Corporation: *See*—
Dubilier, William.
- Cornell-Dubilier Electric Corporation, assignee: *See*—
Baer, Massimo.
- Cornell, Mead, Cleveland, Ohio, and A. R. Whittaker, New York, N. Y., assignors, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Resetting valve shutoff system. Re. 22,710; Jan. 22.
- Cornell, Paul W., Pittsburgh, Pa., assignor, by mesne assignments, to Jasco, Incorporated. Catalytic conversion process. 2,402,875; June 25.
- Cornella, Emanuel, West Chicago, Ill. Clamp and spacer for concrete forms. 2,411,678; Nov. 26.
- Corner, Arthur C.: *See*—
Taylor, Reginald, Baker, and Corner.
- Cornett, Urban A.: *See*—
Spangler, John E., and Cornett.
- Cornforth, Rita H.: *See*—
Robinson, Robert, Cornforth, and West.
- Corning, Charles T., Fair Lawn, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Battery charging system. 2,395,035; Feb. 19.
- Corning Glass Works, assignee: *See*—
Armistead, William H., Jr.
- Dalton, Robert H.
- Daudt, William H.
- De Voe, Charles F.
- Gray, David E.
- Guyer, Edwin M., and Shaw.
- Hinkley, Ray A.
- Hood, Harrison P.
- Hooley, Joseph G.
- Hyde, James F.
- McGregor, Rob R., and Warrick.
- Smith, Gail P.
- Warrick, Earl L.
- Cornish, Irving R.: *See*—
Paxton, John W., and Cornish.
- Cornish, Irving R., assignee, et al.: *See*—
Paxton, John W.
- Cornwall, Leo W.: *See*—
Gross, Bernard, and Cornwall.
- Cornwell, Arthur L., Wellsville, N. Y. Torque wrench. 2,409,545; Oct. 15.
- Coron, Edward: *See*—
Ballard, William C., Jr., Coron, and Cepek.
- Coroniti, Samuel C., Cambridge, Mass., assignor to General and Special Film Corporation, New York, N. Y. Photographic apparatus. 2,413,218; Dec. 24.
- Corporacion Argentina De Productores De Carnes, assignee: *See*—
Brewster, James A., and Fernandez.
- Correa, Alpoim, Rio de Janeiro, Brazil. Manual floor waxer and polisher. 2,410,634; Nov. 5.
- Correa, Manuel, Clarksburg, assignor of one-half to J. H. Veteran, Walnut Grove, Calif. Gate control for dump trucks. 2,394,153; Feb. 5.
- Corrigan, Joseph J., and F. T. Rinehart, Loves Park, Ill. Work support for machine tools. 2,396,941; Mar. 19.
- Corson, George R., Newburyport, Mass., assignor to Hytron Corporation. Electron tube. 2,401,911; June 11.
- Corson, Bolton L., Plymouth Meeting, Pa. Conditioning and treating lime and product thereof. 2,409,546; Oct. 15.
- Corte, Alfred, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Gun turret seat. 2,400,812; May 21.
- Corte, Alfred, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Gun charger and recoil mechanism. 2,401,860; June 11.
- Corte, Alfred, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Power gun turret driving mechanism. 2,405,042; Aug. 13.
- Cory, Samuel I., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal distortion measuring circuit. 2,410,809; Nov. 12.
- Corydon, Jeff, II, Cranston, R. I., assignor to Morse Bouldier Destructor Company. Chemical feed pump mechanism. 2,402,524; June 18.
- Cosentino, Joseph: *See*—
Sizoo, Victor J., and T., and Cosentino.
- Cosler, Valle A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Airplane wing or fin with improved airfoil characteristics. 2,400,918; May 28.
- Cosley, John, North Braddock, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bottle holder. 2,412,873; Dec. 17.
- Coss, Bert A., St. Louis Park, Minn., assignor to The Brush Development Company, Cleveland, Ohio. Roughness measuring means. 2,397,923; Apr. 9.
- Coss, George R., Detroit, Mich., assignor to Eureka Williams Corporation. Suction cleaner. 2,397,536; Apr. 2.
- Coss, George R., Detroit, Mich., assignor to Eureka Williams Corporation. Suction cleaner. 2,397,537; Apr. 2.
- Cossin, Hursle E., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Range apparatus. 2,408,295; Sept. 24.
- Cossor, A. C., Limited, assignee: *See*—
Bedford, Leslie H.
- Bell, David A., and Wynn.
- Cossor, A. C., Limited, assignee: *See*—
Whiteley, Joseph W.
- Costa, Philip J., Franklin Square, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Detonation responsive means for controlling internal-combustion engines. 2,407,652; Sept. 17.

- Costello, Henry O., Providence, R. I., assignor to The Mortimer Newman Co., New Haven, Conn. Exercising device. 2,400,105; Mar. 14.
- Costelow, John A., Topeka, Kans. Dressing machine. 2,402,734; June 25.
- Costner, Clarence J., assignee, et al.: See—Robinson, Elvin.
- Coston Supply Company, assignee: See—Baack, William R.
- Cotchett, Louis M., Hingham, assignor to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,395,462; Feb. 26.
- Cotchett, Louis M., Hingham, assignor to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,395,463; Feb. 26.
- Cotchett, Louis M., Hingham, assignor to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,395,464; Feb. 26.
- Cotchett, Louis M., Hingham, assignor to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,408,135; Sept. 24.
- Cotchett, Louis M., Hingham, assignor to Saco-Lowell Shops, Boston, Mass. Weighting apparatus for textile drafting mechanisms. 2,409,255; Oct. 15.
- Cotchett, Louis M., Hingham, assignor to Saco-Lowell Shops, Boston, Mass. Thread board for spinning frames. 2,413,172; Dec. 24.
- Cotchett, Louis M., Hingham, L. Campbell, E. F. Stange, and A. W. Arterton, assignors to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,395,465; Feb. 26.
- Cotchett, Louis M., Hingham, and L. Campbell and E. F. Stange, assignors to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,407,366; Sept. 10.
- Cote, George H., Bridgeport, Conn. Self-releasing tool holder. 2,392,809; Jan. 15.
- Cote, Romeo, Providence, R. I. Ship propulsion. 2,413,173; Dec. 24.
- Cothran, Alfred J., Tucuman, R. Mex. Combination tool. 2,394,845; Feb. 26.
- Cottrhan, J. D., assignee: See—Miller, Joseph M.
- Cotter, Bart, Detroit, L. H. Klaasen, Grand Rapids, and T. P. Archer, assignors to General Motors Corporation, Detroit, Mich. Material handling device. 2,399,722; May 7.
- Cotter, George L., Winnetka, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,395,170; Feb. 19.
- Cotton, Frank H., East Barnet, and P. A. Gibbons, London, England, and P. A. Gibbons assignor to said Cotton. Reclaiming rubber. 2,408,296; Sept. 24.
- Cotton, John E., Batesville, Miss. Electrode holder. 2,412,717; Dec. 17.
- Cotton, William, Limited, assignee: See—Lynam, John E.
- Cottrell, C. B. & Sons Company, assignee: See—Barber, Howard M.
- Evers, Arthur J.
- Luehrs, Hans J.
- Luehrs, Hans J., and Cottrell.
- Meyer, Joseph E.
- Cottrell, Philip W.: See—Luehrs, Hans J., and Cottrell.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,392,725; Jan. 8.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Side frame structure. 2,394,232; Feb. 5.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,395,317; Feb. 19.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,398,621; Apr. 16.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,407,950; Sept. 17.
- Cottrell, Robert B., and F. E. Bachman, assignors to American Steel Foundries, Chicago, Ill. Truck. 2,413,433; Dec. 31.
- Cottrell, Turner R., Neptune, N. J. Line connector. 2,408,045; Sept. 24.
- Cottrell, William P., Los Angeles, Calif. Forming metallic carbides and steel into finished shapes. 2,398,132; Apr. 9.
- Cottrell, William P., Los Angeles, Calif. Burner gun. 2,413,434; Dec. 31.
- Couch, Forrest J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Shirt body pressing machine. 2,395,466; Feb. 26.
- Couch, Forrest J., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 2,396,942; Mar. 18.
- Couch, Richard, Jr.: See—Dawson, Reginald C., Couch, and Prange.
- Couch, S. H., Company, Inc., assignee: See—Crockett, William.
- Coulter, Charles S., and C. Romanet, Washington, D. C.; said C. Romanet now by marriage C. R. Coulter. Service ribbon bar. 2,398,160; Mar. 5.
- Coulter, Colette R.: See—Coulter, Charles S., and Romanet.
- Coulter, Kenneth L., assignor to The Astatic Corporation, Youngstown, Ohio. Detecting system and apparatus. 2,403,303; July 9.
- Coulton, John S.: See—Disbro, Ira R., and Coulton.
- Connellman, Theodore B., Evanston, Ill., assignor to The Dorr Company, New York, N. Y. Treating rubber suspension. 2,410,633; Nov. 5.
- Courchene, Theodore P., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,409,193; Oct. 15.
- Courchene, Theodore P., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,409,194; Oct. 15.
- Couri, Harriet C., Woodstock, Conn. Article of manufacture. 2,392,024; Jan. 1.
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Lever. 2,394,985; Feb. 10.
- Courtaulds Limited, assignee: See—Culey, Alan S., and Allen.
- Curtis, Geoffrey.
- Dawson, Daniel S.
- Devos, Desiré C. F.
- Greenlees, Raymond C.
- Hegan, Horace J., and Sharples.
- Jones, Rupert S.
- McKeown, John H., and Penn.
- Wilson, Donald L.
- Wormell, Robert L.
- Courtenay, William A., Jr., Chester, assignor to Sun Oil Company, Philadelphia, Pa. Vehicle hoist. 2,407,629; Sept. 10.
- Courter, Leo A., Seminole, Okla., assignor to The Dow Chemical Company, Midland, Mich. Determining permeability of earth formations penetrated by well bores. 2,413,435; Dec. 31.
- Couse, Kibbey W., Newark, N. J. Shifting the relative position of the body and wheels of vehicles. 2,391,948; Jan. 1.
- Couse, Kibbey W., Newark, N. J. Power take-off structure. 2,403,848; July 9.
- Couse Laboratories, assignee: See—Beimer, George M.
- Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Latch mechanism. 2,393,147; Jan. 15.
- Cousino, Walter P., Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich. Plastic injection apparatus and method. 2,402,805; June 25.
- Coventry Gauge & Tool Company Limited, assignee: See—Wainwright, John E., and Jellis.
- Covey, Gus, North Platte, Nebr. Automatic lawn sprinkler. 2,395,353; Feb. 19.
- Covington, William W.: See—Parker, Charles H., and Covington.
- Cowan, Clifton J.: See—Beveridge, James M., and Cowan.
- Cowdrey, Cecil L.: See—Halford, Frank B., and Cowdrey.
- Cowdrey, Cecil L., Hitchin, and J. A. Churchill, Luton, assignors to D. Napier & Son Limited, London, England. Tank. 2,403,850; July 9.
- Cowdrey, William A., and A. G. Murray, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Producing mepacrine dihydrochloride. 2,410,406; Nov. 5.
- Cowen, Tracy, Malverne, N. Y., assignor, by mesne assignments, to Standard Cap and Seal Corporation. Moistureproof wrapper for packaging cheese and the like. 2,402,605; June 25.
- Cowherd, Robert D., Metairie, La., assignor to The Bristol Company, Waterbury, Conn. Liquid-gas-phase control. 2,411,986; Dec. 3.
- Cowles Company, The, assignee: See—Cowles, Edwin.
- Cowles, Edwin, Cayuga, N. Y., assignor to The Cowles Company, Princeton, N. J. Refining paper stock. 2,399,988; May 7.
- Cowley, Irving, Detroit, Mich., assignor of seventy percent to himself and 30 percent to R. W. Lotz, Chicago, Ill. Flexible conduit and coupling for same. 2,410,600; Nov. 5.
- Cowles, Laurence G.: See—Wolf, Alexander, and Cowles.
- Cowley, John F., assignor to Tootal Broadhurst Lee Company Limited, Manchester, England. Treatment of animal fibers to reduce their tendency to felt. 2,395,724; Feb. 26.
- Cowley, Percy E. A., Coventry, and E. C. Walls, assignors to Automatic Telephone & Electric Company, Limited, Liverpool, England. Telecommunication system. 2,411,415; Nov. 19.
- Cowling, Hale, Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Manufacture of filaments and fibers. 2,397,338; Mar. 26.
- Cox, Alonzo C., assignor to La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Iowa. Excavator. 2,394,428; Feb. 5.
- Cox, Alvon R.: See—Niessen, Paul F., and Cox.
- Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,399,858; May 7.

- Cox, Claude E., Detroit, Mich. Flow meter metering head. 2,403,849; July 9.
- Cox, Francis A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,412,968; Dec. 24.
- Cox, Fred W., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Stabilized polyvinyl acetals. 2,396,555; Mar. 12.
- Cox, Fred W., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Polyvinyl acetal stabilization. 2,396,556; Mar. 12.
- Cox, Fred W., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Stabilization of polyvinyl acetal. 2,396,557; Mar. 12.
- Cox, Fred W., Cuyahoga Falls, and J. M. Wallace, Jr., Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide resins. 2,410,775; Nov. 6.
- Cox, George S., and E. J. Sandel, St. Louis, Mo.; said Sandel assignor to said Cox. Game. 2,409,547; Oct. 15.
- Cox, Harold E., London, England, assignor to General Electric Company. Electric circuit interrupter. 2,392,647; Jan. 8.
- Cox, Henry L., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Producing strain-free thermoplastic articles. 2,397,471; Apr. 2.
- Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Metallic compounds adapted to form an electrical contact. 2,410,717; Nov. 5.
- Cox, Irvin W., West Allis, and L. D. Drugmand, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Embedded resistance unit. 2,396,087; Mar. 5.
- Cox, James L., Ramsey, and D. G. Trutner, Rutherford, assignors to Duro-Test Corporation, North Bergen, N. J. Fluorescent lamp. 2,411,679; Nov. 26.
- Cox, Joseph H., Forest Hills, and H. C. Myers, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric system. 2,397,089; Mar. 26.
- Cox, Ralph, Jr., Pittsburgh, Pa. Rotary wing aircraft. 2,394,846; Feb. 12.
- Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Producing pentaerythritol. 2,407,920; Sept. 17.
- Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Treatment of primary oleoresin acids. 2,409,930; Oct. 22.
- Cox, Robert G., assignor to Michigan Patents Corporation, Jackson, Mich. Nipple inserting tool. 2,400,686; May 21.
- Cox, Samuel F., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Window construction. 2,401,552; June 4.
- Cox and Stevens Aircraft Corporation, assignee: See—Thurston, Arthur.
- Cox, Thomas K., Randallstown, A. N. Gray, Joppa, and V. A. Rayburn, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for covering articles. 2,403,023; Jan. 15.
- Cox, Thomas K., Randallstown, A. N. Gray, Joppa, and V. A. Rayburn, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Coating lead sheathed cable. 2,393,024; Jan. 15.
- Cox, Walter C., Denver, Colo. Antifriction drive wheel. 2,413,089; Dec. 24.
- Coxhead, Ralph C., Corporation, assignee: See—Norton, Charles W.
- Coye, Clarence W., assignor to Moraine Box Company, Dayton, Ohio. Box hinge. 2,399,989; May 7.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Decorant can. 2,412,128; Dec. 3.
- Coyle, John, Baltimore, Md., and W. F. Punte, Passaic, N. J., assignors to Continental Can Company, Inc., New York, N. Y. Collar can collar mounting. 2,403,788; July 9.
- Coyle, Perry J., assignee, et. al.: See—Gilliam, Coleman W.
- Coyne, Howard L., Rockville Centre, N. Y., J. J. Kuhn, Elizabeth, N. J., and J. E. Rosa, Corona, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical resistance unit. 2,408,046; Sept. 24.
- Cozad, Forrest L., assignee: See—Ackerman, Harold M.
- Crabtree, J. A., & Co., Ltd., assignee: See—Hill, Walter E., Wintle, and Morgan.
- Crabtree, John I.: See—Russell, Harold D., and Crabtree.
- Crabtree, John I., and G. T. Eaton, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic process and composition for fixing. 2,396,830; Mar. 19.
- Crabtree, John I., and G. T. Eaton, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic fixing process and compositions. 2,397,924; Apr. 9.
- Crabtree, John I., and G. T. Eaton, assignors to Eastman Kodak Company, Rochester, N. Y. Processing of certain nongelatin emulsions. 2,409,107; Oct. 8.
- Crabtree, John I., and G. T. Eaton, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic fixing procedure and baths. 2,412,674; Dec. 17.
- Crabtree, Leonard F., La Grange, Ill., and M. L. Markey, Columbus, Ohio, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Signaling system. 2,395,168; Feb. 19.
- Crader, William J.: See—Sargent, Frederick L., and Crader.
- Craft, William S.: See—Packie, John W., and Craft.
- Crafton, Henry H., Baden, assignor to H. H. Robertson Company, Pittsburgh, Pa. Building construction. 2,392,232; Jan. 1.
- Crafton, Henry H., Baden, assignor to H. H. Robertson Company, Pittsburgh, Pa. Portable launching and landing mat for airplanes. 2,407,059; Sept. 3.
- Crafts, Curtis S., and C. A. Harless, Oak Park, assignors to The Goss Printing Press Company, Chicago, Ill. Rotary printing press. 2,413,174; Dec. 24.
- Crafts, Walter, and C. G. Chadwick, Niagara Falls, N. Y., assignors to Electro Metallurgical Company, Deep drawing steels containing chromium. 2,397,244; Mar. 26.
- Craftsman Line-up Table Corporation, assignee: See—West, James, and Davis.
- Craib, James F.: See—Loughlin, Bernard D., and Craib.
- Craib, James F., Great Neck, N. Y., assignor, by mesne assignments, to Hactelene Research, Inc., Chicago, Ill. Secrecy communication system. 2,402,059; June 11.
- Craig, Burnie J., Los Angeles County, Calif. Making cellular systems. 2,403,265; July 2.
- Craig, Charles C., Morrill, Nebr. Automobile jack. 2,401,179; Oct. 1.
- Craig, David, Silver Lake Village, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Separation of conjugated diolefin isomers. 2,403,064; July 2.
- Craig, Edward C.: See—Burgess, Robert O., and Craig.
- Craig, Edward C., U. S. Navy. Mine mooring cutter. 2,396,686; Mar. 19.
- Craig, Ernest, Falconbridge, Ontario, Canada, assignor to Goodman Manufacturing Company, Chicago, Ill. Self-loading vehicle. 2,392,025; Jan. 1.
- Craig, Ernest, Falconbridge Township, Ontario, Canada. Vibratory hammer. 2,392,233; Jan. 1.
- Craig, John W.: See—Money, Roland H., and Craig.
- Craig, Loren J.: See—Mihalyi, Joseph, Bing, and Craig.
- Craig, Palmer H., Gainesville, Fla., assignor to Invox Corporation. Television system. 2,393,890; Jan. 29.
- Craig, Palmer H., Gainesville, Fla., assignor, by mesne assignments, to Invox Inc. Gaseous discharge device. 2,405,089; July 30.
- Craig, W. B.: See—Hester, William F., and Craig.
- Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Coating compositions. 2,394,233; Feb. 5.
- Craime, Inc., assignee: See—Craine, Zur W.
- Craine, Zur W., Norwich, N. Y., assignor to Craine, Inc. Silo. 2,410,338; Oct. 2.
- Cram, Harkness W., Felham, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Wire thread bushing. 2,401,912; June 11.
- Cram, Hervey G., Appleton, assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Consistency regulator. 2,392,026; Jan. 1.
- Cramer, Francis B., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning process. 2,412,969; Dec. 24.
- Cramer, Hans, Dinslaken, Niederrhein, Germany; vested in the Alien Property Custodian. Apparatus for delivering bars from cooling beds to live roll conveyers. 2,392,523; Jan. 8.
- Cramer, Harold W.: See—Cramer, Roy A., R. A., Jr., and H. W.
- Cramer, Howard I.: See—Olin, Robert R., and Cramer.
- Cramer, Paul L., Highland Park, and C. R. Begeman, Grosse Pointe Woods, assignors to General Motors Corporation, Detroit, Mich. Conversion of paraffin hydrocarbons. 2,397,925; Apr. 9.
- Cramer, W. Company, Incorporated, assignee: See—Schellens, Eugene L., and Gibbs.
- Cramer, Raymond H., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Sizing device for grinding machines and the like. 2,392,836; Jan. 15.
- Cramer, Roy A., Jr.: See—Cramer, Roy A., R. A., Jr., and H. W.
- Cramer, Roy A., R. A., Jr., and H. W., Kansas City, Mo. Chair. 2,400,630; May 21.
- Cramer, Stanley S., Haddon Heights, N. J. Release means for electromagnetic structures. 2,393,590; Jan. 29.
- Cramer, Stanley S., Haddon Heights, N. J. Radio tuning structure. 2,393,591; Jan. 29.
- Cramer, Stanley S., Haddon Heights, N. J. Tuning structure for radio receiving sets. 2,400,193; May 14.
- Cramer, William J., Jr.: See—Croft, Cyril M., and Cramer.

- Crandall Dry Dock Engineers Inc., assignee: *See*—
Crandall, James S.
- Crandall, James R.: *See*—
Phillips, Albert J., Hedebef, and Crandall.
- Crandall, James S., Lexington, assignor to Crandall Dry Dock Engineers Inc., Cambridge, Mass. Railway dry dock. 2,392,081; Jan. 1.
- Crane, Carl J., Sacramento, Calif. Navigational instrument. 2,393,310; Jan. 22.
- Crane, Carl J., Sacramento, Calif. Airplane turn indicator. 2,396,687; Mar. 19.
- Crane, Carl J., Sacramento, Calif. Sensitive switch control apparatus. 2,412,206; Dec. 10.
- Crane Co., assignee: *See*—
Baldwin, William J.
Bassett, Charles H.
Fawkes, Donald G.
Gleeson, Murray A.
Hatfield, Arthur W.
Hedberg, Albert F., and Colbert.
Kanter, Jerome J., and Smith.
Marshall, William A., Jr.
Mueller, Alfred.
Newton, Norman B., and Fennema.
Vande Bogart, Leonard G., and Manuel.
Zinkli, Roy H., and Newman.
- Crane, Edward V., Brooklyn, and H. F. Johnson, Baldwin, assignors to E. W. Bliss Company, Brooklyn, N. Y. Clamping hub. 2,395,169; Feb. 19.
- Crane, Edward V., and K. A. Kuhn, assignors to E. W. Bliss Company, Brooklyn, N. Y. Flanging machine. 2,412,874; Dec. 17.
- Crane, Franklin S., Montrose, Calif. Well pipe screwing device. 2,412,875; Dec. 17.
- Crane, Hubert R., Los Angeles, Calif. Pipe bore scraping scoop. 2,402,314; June 18.
- Crane, John, Palmer, Mass., assignor to Self-Locking Carton Co., Chicago, Ill. Indexing mechanism. 2,393,294; Jan. 22.
- Crane Packing Company, assignee: *See*—
Payne, Frank E.
- Crane, Raymond E., and J. M. Hendrickson, Kittanning, Pa. Supply valve mechanism. 2,391,949; Jan. 1.
- Crane, Theodore D., Council Bluffs, Iowa. Bed service set. 2,408,550; Oct. 1.
- Crane, Walton B., West Los Angeles, Calif. Holder for lipsticks and the like. 2,395,535; Feb. 26.
- Crane, Walton B., Beverly Hills, assignor to Allied Plastics Company, Los Angeles, Calif. Cigarette case. 2,399,470; Apr. 30.
- Cramer, Ernie W., Wichita, Kans. Electric signal switch for pneumatic tires. 2,399,168; Apr. 30.
- Cranston, John, Ironton, Ohio. Recovery of bromine and iodine from natural brines. 2,412,890; Dec. 10.
- Cranston Erit Works Company, assignee: *See*—
Jones, Albert S.
- Cranstone, Edwin L.: *See*—
Alexander, Paul, and Cranstone.
- Crapuchettes, Paul W., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,399,008; Apr. 23.
- Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Regulator system. 2,411,710; Nov. 26.
- Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Supercharged engine exhaust power system. 2,412,970; Dec. 24.
- Crause, Stephen S., Cleveland, Ohio. Crank and lubricated means for driving the same. 2,410,929; Nov. 12.
- Craver, Augustus E.: *See*—
Reichel, Frank H., and Craver.
- Craver, John K., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Heat stable compositions. 2,410,635; Nov. 5.
- Crawford, Alfred, assignor to Crawford Manufacturing Company, New Brunswick, N. J. Stop motion for knitting machines. 2,410,718; Nov. 5.
- Crawford, Bert A., assignee: *See*—
Robeson, Edna G., and Crawford.
- Crawford, Chester C., El Cerrito, and W. E. Ross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Isomerizing hydrocarbons. 2,394,752; Feb. 12.
- Crawford, Chester C., El Cerrito, and D. L. Yabroff, Alameda, assignors to Shell Development Company, San Francisco, Calif. Isomerizing hydrocarbons. 2,404,436; July 23.
- Crawford, David C., assignor to Crawford Door Company, Detroit, Mich. Door construction. 2,399,169; Apr. 30.
- Crawford Door Company, assignee: *See*—
Crawford, David C.
- Crawford, Elliot G., Stonington, Conn., assignor to William Triant, Arlington, Mass. Textile spindle. 2,412,129; Dec. 3.
- Crawford, Francis, Scarsdale, N. Y. Die structure for bending sheet metal. 2,405,778; Aug. 13.
- Crawford, Francis W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Prospecting for hydrocarbons. 2,398,580; Apr. 16.
- Crawford Manufacturing Company, assignee: *See*—
Crawford, Alfred.
- Crawford, Richard A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fuel tank. 2,392,902; Jan. 15.
- Crawford, Thomas B., Crown Point, Ind., and J. E. Vilbig, Chicago, Ill., assignors to Balsam Bros. Co. Flow condition tester. 2,395,536; Feb. 26.
- Crawford, Thomas G., Glenville, N. Y., assignor to General Electric Company. Electric discharge device and fabrication. 2,399,004; Apr. 23.
- Crawford, Thomas G., Schenectady, N. Y., assignor to General Electric Company. Fabricating electric discharge devices. 2,399,005; Apr. 23.
- Crawford, Victor L., Altamont, Ill. Safety device for fluid brake systems. 2,410,202; Oct. 29.
- Crawford, Walter F., New Orleans, La. Surgical splint. 2,409,195; Oct. 15.
- Crawford, William A., Mattoon, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J. Moccasin sewing machine. 2,408,738; Oct. 8.
- Crawford, William E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Hot-water tank and making the same. 2,401,231; May 28.
- Crawley, James B., Edenton, N. C., assignor to Radio Corporation of America. Thermionic tube test apparatus. 2,399,859; May 7.
- Crawley, James B., Camden, N. J., assignor to Radio Corporation of America. Amplifier circuit. 2,400,919; May 28.
- Crawshaw, Harry, assignor to British Celanese Limited, London, England. Fabric. 2,412,562; Dec. 17.
- Creagmille, John L., Oakland, Calif. Wheel alignment gauge. 2,410,339; Oct. 29.
- Creamery Package Mfg. Company, The, assignee: *See*—
Farrall, Arthur W.
- Creellus, Samuel B.: *See*—
Rheineck, Alfred E., and Creellus.
- Cree, Marion S., Washington, Pa. Template. 2,409,019; Oct. 8.
- Creech, Jesse E., Jacksonville, Fla. Door construction for cushioned cells. 2,397,926; Apr. 9.
- Creed and Company Limited, assignee: *See*—
Mason, Frederick P.
Thompson, Alfred Edward, and Salmon.
- Creed, Frederick G., Croydon, assignor to Floating Stations Limited, London, England. Floating structure. 2,405,115; Aug. 6.
- Cresman, George D., Mountain Lakes, N. J., and J. F. Crowther, Mount Vernon, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Contacting solids with vapors. 2,409,476; Oct. 15.
- Cresean, William F., Toledo, Ohio. Forming grab irons. 2,395,612; Feb. 26.
- Crepe de Chine, Inc.: *See*—
Hathorne, Berkeley L., and Seem.
- Crepeau, Ernest A., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Taping midsoles. 2,397,245; Mar. 26.
- Cress, Jay J., Schenectady, N. Y., assignor to General Electric Company. Crystal mounting. 2,409,838; Oct. 22.
- Cress, William P., Lebanon, Mo. Short-circuit indicator. 2,410,636; Nov. 5.
- Cressman, Homer W. J.: *See*—
Brooker, Leslie G. S., and Cressman.
- Crevier, Frederick E., Scotia, N. Y., assignor to General Electric Company. Electric circuit. 2,407,476; Sept. 10.
- Crever, Frederick E., Scotia, N. Y., and L. C. Calder, Catonsville, Md., assignors to General Electric Company. Regulator system. 2,412,442; Dec. 10.
- Crew, Morris W., assignor to The Hotstream Heater Company, Cleveland, Ohio. Control means for draft regulators. 2,401,553; June 4.
- Credwison, Henry: *See*—
Burke, Allen P., and Credwison.
- Crews, Lowell T.: *See*—
Ralston, Anderson W., Crews, and Colt.
- Criner, Harry E.: *See*—
Kilgore, Lee A., and Criner.
- Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Toy. 2,409,839; Oct. 22.
- Crise Electric Manufacturing Company, assignee: *See*—
Crisse, George W.
- Crisse, George W., Columbus, Ohio. Rotary heat motor. Re. 22,774; July 30.
- Crisse, George W., assignor to Crise Electric Manufacturing Company, Columbus, Ohio. Compensating stoker timer. 2,402,240; June 18.
- Crisse, George W., assignor to Crise Electric Manufacturing Company, Columbus, Ohio. Thermostatic switch. 2,413,100; Dec. 24.
- Crites, Joe, Evanston, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Cyclone dust collector. 2,408,250; Sept. 24.
- Crites, Wilbur J., deceased, by First National Bank in Bartlesville, Bartlesville, Okla., executor; said Crites assignor to Phillips Petroleum Company. Hydraulic coupling. 2,399,250; Oct. 15.
- Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air compressor. 2,406,202; Aug. 20.

- Cracich, Tony, Noranda, Quebec, Canada, assignor to M. H. Dietrich Company. Reverberatory furnace. 2,398,622; Apr. 16.
- Crocker, James A., Jr., Mobile, Ala., assignor to Waterman Steamship Corporation. Rolling hatch beam construction. 2,398,289; Apr. 9.
- Crocker, John C., Weymouth, Mass., assignor to S. C. Loom check strap. 2,393,148; Jan. 15.
- Crocker, Ralph, Swampscott, Mass. Call transmitter. 2,392,726; Jan. 8.
- Crocker, William D., Suffield, Conn., and F. S. Coe, assignors to American Bosch Corporation, Springfield, Mass. Magnet. 2,394,234; Feb. 5.
- Crockett, Frank L., Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass. Top comb system. 2,410,135; Oct. 29.
- Crockett, Harry L., assignor to Olin Industries, Inc., New Haven, Conn. Gas-operated self-loading firearm. 2,394,986; Feb. 19.
- Crockett, Harry L., New Haven, Conn., assignor to Olin Industries, Inc. Safety mechanism for bolt-action firearms. 2,402,735; June 25.
- Crockett, Robert E., Pompton Lakes, N. J., assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic separator. 2,410,601; Nov. 5.
- Crockett, William P., Chicago, Ill., assignor to S. H. Couch Company, Inc., North Quincy, Mass. Hospital plug connection. 2,405,735; Aug. 13.
- Crockford, Joseph R., Mount Rainier, Md., assignor to H. Radzinsky and S. W. Dean, Jr., New York, N. Y. Tampon. 2,391,281; Dec. 10.
- Croco, Charles P., Mount Lebanon, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control of electrolytic processes. 2,404,948; July 30.
- Croen, Mack M.: *See*—
Slaton, Martin M., and Croen.
- Crofoot, J. B., Co., assignee: *See*—
Hallan, Carl E.
- Croft, Arthur, Rawdon, near Leeds, England. Friction clutch. 2,407,060; Sept. 3.
- Croft, Cyril M.: *See*—
Platt, Herbert, and Croft.
- Croft, Cyril M., W. H. Hindle, and R. W. Pinault, Cumberland, Md., assignors to Celanese Corporation of America. Producing textile fabric. 2,391,950; Jan. 1.
- Croft, Cyril M., and W. H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America. Dyeing process. 2,399,627; May 7.
- Croft, Cyril M., and T. S. Waller, Cumberland, Md., assignors to Celanese Corporation of America. Acid fading inhibition. 2,409,257; Oct. 15.
- Croft, Cyril M., and W. J. Cramer, Jr., Cumberland, Md., assignors to Celanese Corporation of America. Fabric treatment. 2,410,867; Nov. 12.
- Croft, George M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for cleaning strip metal. 2,395,397; Feb. 26.
- Croft, John J., and B. E. Fox, assignors to High Point Bending & Chair Company, Siler City, N. C. Chair. 2,402,023; June 11.
- Crom, John M., Washington, D. C. Method of and apparatus for tensioning wire. Re. 22,762; June 4.
- Crompton & Knowles Loom Works, assignee: *See*—
Beatrice, Gabriel C.
Blanchard, William A.
Brouwer, Benjamin W.
Darwin, Clifford.
Fletcher, Norman.
McCaslin, Stanley N.
Patrick, Joseph M.
Payne, Oscar V.
Santon, Elliot A.
Sepavich, Victor F.
Turner, Richard G.
Wakefield, Walter H.
- Cromwell, Robert H.: *See*—
Wanamaker, Edgar M., Cromwell, and Chamberlain.
- Cronburg, Claude I., Cleveland Heights, Ohio, assignor to American Telephone and Telegraph Company. Enciphering and deciphering system. 2,403,888; July 9.
- Cronholm, Einar, Gothenburg, Sweden. Electrically driven film feeding mechanism for photographic apparatus. 2,398,133; Apr. 9.
- Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine seal. 2,410,340; Oct. 29.
- Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Diaphragm construction for turbines. 2,410,810; Nov. 12.
- Cronstedt, Val, Marlboro, and A. Kalitinsky, Eagleville, assignors to United Aircraft Corporation, East Hartford, Conn. Plan construction for compressor units. 2,410,428; Nov. 5.
- Crooke, Raymond E., Little Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Spot mechanism for gun fire control. 2,398,522; Apr. 16.
- Crooke, Raymond E., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Torpedo director. 2,402,024; June 11.
- Crooke, Raymond E., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Torpedo director. 2,402,025; June 11.
- Crooke, Raymond E., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Plotting mechanism. 2,402,026; June 11.
- Crooke, Raymond E., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Gunfire control computer. 2,403,504; July 9.
- Crooke, Raymond E., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Torpedo director. 2,403,505; July 9.
- Crooke, Raymond E., Little Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Damping mechanism. 2,405,017; July 30.
- Crooke, Raymond E., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Method of and apparatus for gunfire control. 2,410,016; Oct. 29.
- Crooke, Raymond E., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Computing fire control data. 2,412,443; Dec. 10.
- Crooks, Harry M., Jr.: *See*—
Marker, Russell E., and Crooks, Jr., and Wittle.
- Crooks, John L.: *See*—
Nagle, Hugo, and Crooks.
- Crooks, Louis G.: *See*—
Dally, Robert A., and Crooks.
- Croon, Victor A., Rock, Ark. Sanitary drinking glass. 2,399,912; May 7.
- Croname, Incorporated, assignee: *See*—
Paterno, Alex.
- Crosby, Bernard L., Seattle, Wash. Tire prerotating device. 2,412,033; Dec. 4.
- Crosby, David R., Haddonfield, and W. C. Kimmich, Maple Shade, N. J., assignors to Radio Corporation of America. Wire wound resistor. 2,397,408; Mar. 26.
- Crosby, Edward P., St. Paul, Minn. Combination stock and gasoline trailer. 2,395,039; Feb. 19.
- Crosby, Fred B., assignor to Morgan Construction Company, Worcester, Mass. Billet charging mechanism. 2,397,339; Mar. 26.
- Crosby, Melvin A.: *See*—
Luaces, Enrique L., and Crosby.
- Crosby, Melvin A., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Dual intersecting wire tube belt. 2,411,027; Nov. 12.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver tuning indicator. 2,395,725; Feb. 26.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Negative transconductance device and circuit. 2,396,968; Mar. 5.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Control circuits. 2,396,688; Mar. 19.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation detector. 2,397,840; Apr. 2.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation detector. 2,397,841; Apr. 2.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Receiver selectivity control. 2,397,842; Apr. 2.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Pulse communication system. 2,401,618; June 4.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Oscillator and frequency modulator. 2,402,148; June 18.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Variable dot keyer. 2,405,876; Aug. 13.
- Crosby, Stephen A., Chicago, Ill., assignor to Sterling Tool Products Company. Rubbing pad for polishing machines. 2,393,089; Jan. 15.
- Crosby, Stephen A., Chicago, Ill., assignor to Sterling Tool Products Company. Flexible sleeve for rubbing machines. 2,393,592; Jan. 29.
- Crosby, Stephen A., Chicago, Ill., assignor to Sterling Tool Products Company. Rubbing machine. 2,395,537; Feb. 26.
- Crosley Corporation, The, assignee: *See*—
Money, Roland H., and Craig.
- Crosman, Loring P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Reversible clutch. 2,394,429; Feb. 5.
- Crosman, Loring P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Bearing. 2,410,719; Nov. 5.
- Cross, Bert S.: *See*—
Palmquist, P. V., Cross, and Netherly.
- Cross, Carroll N., Middleboro, Mass. Picture mount. 2,405,409; Aug. 6.
- Cross, David L., Crestmont Park, West Orange, N. J. Shovel. 2,396,089; Mar. 5.
- Cross, Garfield P. S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Direction-controlling mechanism for guns. 2,407,871; Sept. 17.
- Cross, Robert C., Riverside, assignor to Sears, Roebuck and Co., Chicago, Ill. Self-stoking water heater. 2,396,252; Mar. 12.
- Cross, Robert C., Riverside, assignor to Sears, Roebuck and Co., Chicago, Ill. Boiler construction. 2,408,968; Oct. 8.

- Cross, Robert C., Riverside, and G. W. Smardon, Lombard, assignors to Sears, Roebuck and Co., Chicago, Ill. Stoker boiler unit. 2,408,969; Oct. 8.
- Cross, Robert P., Jr., J. F. Dillinger, Riverside, and A. N. Ogden, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Magnetic materials. 2,393,293; Jan. 22.
- Crossley, Alfred: *See*—
Kamler, Ben R., and Elam.
- Crossley, Arthur, Wauregan, Conn., assignor to Wauregan Mills Incorporated. Apparatus for drawing. 2,404,218; July 16.
- Crossley, Moses L., Plainfield, N. J., and J. P. English, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of 2-aminopyrozone. 2,394,963; Feb. 12.
- Crot, Andre, Topanga, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Pressure relief valve. 2,399,326; Apr. 30.
- Crot, André, Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Structural connector. 2,405,643; Aug. 13.
- Crot, André, North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Bit sharpener. 2,408,916; Oct. 8.
- Crotch, William A., Orpington, assignor to J. Stone & Company Limited, Deptford, England. Electric regulator. 2,394,753; Feb. 12.
- Crouch, Joel M., State College, Pa. Astronomical device. 2,412,130; Dec. 3.
- Crouse, George B., East Setauket, F. A. Holt, Port Jefferson, and L. J. Jaitlow, assignors to Photo-Positive Corporation, New York, N. Y. Photographic emulsions and methods. 2,401,051; May 28.
- Crouse, George B., East Setauket, and F. A. Holt, Shoreham, assignors, by mesne assignments, to Photo-Positive Corporation, New York, N. Y. Manufacture of templates. 2,405,090; July 30.
- Crouse-Hinds Company, assignee: *See*—
Olley, Raymond H.
- Crowder, John A., Palmetton, Pa., assignor to The Solvay Process Company, New York, N. Y. Preparation of nitrogen tetroxide addition products. 2,402,315; June 18.
- Crowder, John A., M. A. Kise, and G. A. Nesty, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Production of unsaturated oximes. 2,394,430; Feb. 5.
- Crowe, John, St. Joseph, Mo., assignor to The Marlin Firearms Company, New Haven, Conn. Ejector mechanism for firearms. 2,407,477; Sept. 10.
- Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, Gas torch. 2,398,884; Apr. 23.
- Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Desulphurizing iron with molten calcium carbide. 2,409,020; Oct. 8.
- Crowell-Collier Publishing Company, assignee: *See*—
Lundbye, Axel B.
- Crowell, Erd V., Huntington Park, Calif. Oil well device. 2,397,472; Apr. 2.
- Crowell, Erd V., Glendale, Calif. Testing formations in wells. 2,397,473; Apr. 2.
- Crowell, Oscar H., Russellville, Ala. Salt and pepper shaker. 2,395,613; Feb. 26.
- Crowell, Walter S., Melrose Park, Pa., assignor to The S. S. White Dental Manufacturing Company. Dental cement. 2,406,963; Aug. 20.
- Crowell, Walter S., Melrose Park, and G. W. Birch, Upper Darby, assignors to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Molding resins of vinyl type. 2,403,172; July 2.
- Crowley, Charles C., Cleveland, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Automatic gripper. 2,405,018; July 30.
- Crowley, Cornelius J.: *See*—
De Laney, Wallace W., and Crowley.
- Crowley, Henry L., assignee: *See*—
Martowicz, Chester T.
- Crowley, John A., Jr., assignee: *See*—
Simpson, Thomas P., Payne, and Crowley.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Making inserts for rubber valve stems. 2,398,698; Apr. 16.
- Crowley, Joseph P.: *See*—
Orser, Horace G., and Crowley.
- Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process of forming glass prisms. 2,409,108; Oct. 8.
- Crowley, Robert E., Baltimore, Md. Method of and means for recording. 2,403,911; July 16.
- Crown Cnn Company, assignee: *See*—
Gladfelter, Willie I., and Ehrlich.
- Crown Cork & Seal Company, Inc., assignee: *See*—
Calleson, Amos, and E. A. Cooke, Giles B., and Gavin. Cooper, William B., and Glock. Enkur, Edward M. Fankhanel, James W. Gladfelter, Willie I., and Schmidt. Goebel, George H., and Rau. Kesler, William C., and Ryan.
- Crown Cork & Seal Company, Inc., assignee: *See*—Continued
Lauve, Louis L. McManus, Charles E., Elder, Cooke, and Dornblatt. Patrick, Walter A., Jr., and Elder. Ran, Harry A. Stewart, Robert J. Steward, Robert J., and Franz. Rolker, Edwin. Warth, Albin H., and Bulatkin. Wilckens, Elbe A., and Magill.
- Crown Fastener Corporation, assignee: *See*—
Williams, Harvey, and Kellum.
- Willis, Charles C.
- Crown Zellerbach Corporation, assignee: *See*—
Bukowsky, Harry E. Harris, Jesse A. Swift, Frank H.
- Crowson, Enoch E., Greenville, S. C. Reflected price tag and the like. 2,406,743; Sept. 3.
- Crowther, Edmond C., Philadelphia, Pa., assignor to Illinois Tool Works, Chicago, Ill. Castelled nut. 2,393,519; Jan. 22.
- Crowther, Edmond C., Philadelphia, Pa., assignor to Illinois Tool Works, Chicago, Ill. Lock nut. 2,393,520; Jan. 22.
- Crowther, George A., Manhasset, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Cam mechanism. 2,402,027; June 11.
- Crowther, George A., Manhasset, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Gunfire control computer. 2,403,506; July 9.
- Crowther, John F.: *See*—
Creelman, George D., and Crowther.
- Crowther, John F., Mount Vernon, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Gas hydration. 2,399,723; May 7.
- Crozier, Harold E., and A. G. H. Vanderpoel, Hawthorne, Calif. Antiknock or detonation damping device. 2,407,478; Sept. 10.
- Crucible Steel Company of America, assignee: *See*—
Hyde, George G., and Hu-ll.
- Crum, Howard L., St. Louis, Mo. Stop for strand covering machines. 2,412,324; Dec. 10.
- Crum, Reginald W., Arlington, Va. Resilient heel. 2,402,534; June 25.
- Crumb, Charles F., Clarendon Hill, Ill., assignor to International Harvester Company. Tier. 2,405,888; Aug. 13.
- Crump, Walter W.: *See*—
Syrcher, Edward V., McNair, and Crump.
- Crumm, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera film wind and shutter control mechanism. 2,398,412; Apr. 16.
- Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera construction. 2,402,149; June 18.
- Crutcher-Rolls-Cummings Company, assignee: *See*—
Cummings, James D.
- Cruver, Henry A., Cleveland, Ohio. Amusement device. 2,395,398; Feb. 26.
- Cruzan, Charles G., U. S. Navy. Computing device. 2,413,314; Dec. 31.
- Cruzan, Harold: *See*—
Warrick, Edward C., and Cruzan.
- Cruzan, Harold, assignor to United Aircraft Products, Inc., Dayton, Ohio. By-pass control valve. 2,392,213; Jan. 1.
- Cruzan, Harold, assignor to United Aircraft Products, Inc., Dayton, Ohio. By-pass control valve. 2,392,214; Jan. 1.
- Cruzan, Harold, and E. C. Warrick, assignors to United Aircraft Products, Inc., Dayton, Ohio. Automatic oil conditioner. 2,406,203; Apr. 20.
- Cryar, Buford L., Albertville, Ala. Rotary cast cutter. 2,406,744; Sept. 3.
- Csepely, John A., New Haven, assignor to A. F. Holden, Northford, Conn. Oil burner. 2,395,614; Feb. 26.
- Cubberley, Richard H., Ridgewood, and F. W. Yeager, Englewood, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y. Bituminous compositions. 2,408,297; Sept. 24.
- Cubert, Joseph R., assignor to Aurex Corporation, Chicago, Ill. Hearing aid. 2,395,318; Feb. 19.
- Cubeta, Joseph J., Charleston, S. C. Vending machine for newspapers and the like. 2,394,292; Feb. 5.
- Cudini, Roger G., Birmingham, assignor to The Continuous Hinge Company, Northport, Mich. Machine for making hinges. 2,397,649; Apr. 2.
- Culbreth, Alexander M., Valdosta, Ga. Cooling apparatus for bottled beverages. 2,405,091; July 30.
- Cullen, Abbie B., Oxford, Miss. Building construction. 2,405,116; Aug. 6.
- Cullen, Edward V., assignor to Cullen-Friestedt Company, Chicago, Ill. Work positioner. 2,396,161; Mar. 5.
- Cullen-Friestedt Company, assignee: *See*—
Cullen, Edward V.
- Cullen, William L., Los Angeles, assignor to Hughes Tool Company, Houston, Tex. Locking means for pressure chamber doors. 2,399,327; Apr. 30.

- Culley, Lewis L., Jackson, Miss. Tree transplanting apparatus. 2,410,203; Oct. 29.
- Cullinan, James T., administrator: See—
Lee, Edward C., and Thomas.
- Cullman, Fred A., Jr.: See—
Faulus, Charles.
- Culmer, Thaddeus W., Robinson, Ill., assignor to The Ohio Oil Company, Findlay, Ohio. Cutting oil. 2,412,131; Dec. 3.
- Culver, Merlyn M., assignor to United Aircraft Products, Inc., Dayton, Ohio. Automatic variable pump. 2,399,990; May 7.
- Culver, Merlyn M., and L. L. Duncan, Dayton, Ohio. Molded part and forming. 2,402,950; July 2.
- Cumming, James M.: See—
Boden, Samuel H., and Cumming.
- Hill, Allan W., and Cumming.
- Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,399,323; Apr. 30.
- Cumming, Milton K., Bronxville, N. Y., and W. Van Tine, Baritan, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Packing and making the same. 2,398,210; Apr. 9.
- Cummings, Edgar L.: See—
Whitehouse, Irving Schofield, and Cummings.
- Cummings, George H.: See—
Fenske, Merrell R., and Cummings.
- Cummings, George H., State College, Pa., W. J. Sweeney, Elizabeth, N. J., and M. R. Fenske, State College, Pa., assignors of one-half to Standard Oil Development Company and one-half to Röhm & Haas Company. Refining of mineral oils. 2,396,300; Mar. 12.
- Cummings, George H., State College, Pa., W. J. Sweeney, Elizabeth, N. J., and M. R. Fenske, State College, Pa., assignors of one-half to Standard Oil Development Company and one-half to Röhm & Haas Company. Refining of mineral oils. 2,396,301; Mar. 12.
- Cummings, George H., State College, Pa., W. J. Sweeney, Elizabeth, N. J., and M. R. Fenske, State College, Pa., assignors of one-half to Standard Oil Development Company and one-half to Röhm & Haas Company. Refining of mineral oils. 2,396,302; Mar. 12.
- Cummings, George H., State College, Pa., W. J. Sweeney, Elizabeth, N. J., and M. R. Fenske, State College, Pa., assignors of one-half to Standard Oil Development Company and one-half to Röhm & Haas Company. Refining hydrocarbon oils. 2,396,303; Mar. 12.
- Cummings, James D., assignor to Crutcher-Roefs-Cummings Company, Houston, Tex. Internal jig support for bending large diameter pipe. 2,401,052; May 28.
- Cumming, James M., Turtle Creek, and R. C. Cunningham, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,408,199; Sept. 2.
- Cummings, Melvin H., North Caldwell, N. J., assignor to Curtiss-Wright Corporation. Switch adjusting mechanism. 2,392,580; Jan. 8.
- Cummings, Roy, Bloomfield, N. J., assignor to Curtiss-Wright Corporation. Tensile testing machine. 2,400,920; May 28.
- Cummins, Carl M., Toledo, Ohio. Split ring manufacture. 2,410,204; Oct. 29.
- Cummins, Claude A., Midland, Mich., assignor to The Dow Chemical Company. Purifying caustic alkali solution. 2,403,789; July 9.
- Cummins, Clessie L., assignor to Cummins Engine Company, Inc., Columbus, Ind. Fuel feeding and injection apparatus for oil burning engines. 2,408,298; Sept. 24.
- Cummins Engine Company, Inc., assignee: See—
Cummins, Clessie L.
- Cummins, Roy M., Akron, Ohio. Freezing tray. 2,411,193; Nov. 19.
- Cunco, Joseph F.: See—
Doumani, Thomas F., and Cunco.
- Cunning, Thomas G., Upland, assignor to Brogden Company, Pomona, Calif. Coating apparatus. 2,402,986; July 2.
- Cunningham, George E., N. H. Chamberlain, and J. B. Speakman, Leeds, assignors to Cefoil Limited, Maidenhead, England. Production of alginic acid compounds. 2,403,707; July 9.
- Cunningham, James, Son & Company, assignee: See—
Fergusson, David.
- Cunningham, James G., Grosse Pointe Farms, and R. A. Cunningham, Detroit, Mich. Cart. 2,393,149; Jan. 15.
- Cunningham, James M.: See—
Brand, Samuel, and Cunningham.
- Cunningham, John W., McKeesport, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Separation of cobaltite. 2,403,640; July 9.
- Cunningham, Lewis L., Los Angeles, assignor to General Controls Co., Glendale, Calif. Control apparatus. 2,401,861; June 11.
- Cunningham, Lewis L., Glendale, Calif., assignor to Perfex Corporation, Milwaukee, Wis. Burner control apparatus. 2,408,047; Sept. 24.
- Cunningham, Marlon M., South Bend, assignor to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Mattress. 2,399,628; May 7.
- Cunningham, Marlon M., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Molding apparatus. 2,406,589; Aug. 27.
- Cunningham, Richard C.: See—
Cumming, James M., and Cunningham.
- Cunningham, Richard C., East McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,403,055; July 2.
- Cunningham, Robert A.: See—
Cunningham, James G., and R. A. Cunningham.
- Cunningham, Robert C., San Francisco, Calif. Welding apparatus. 2,412,080; Dec. 3.
- Cunningham, Thomas P., Kearny, N. J. Automatic turbo-planetary transmission. 2,409,196; Oct. 15.
- Cunningham, William, Port Jervis, Ont. Parachute harness and quick release fastening means. 2,393,311; Jan. 22.
- Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dust collecting composition and method. 2,407,255; Sept. 10.
- Cupples, Homer L., Alexandria, Va., assignor to United States of America, as represented by the Secretary of Agriculture. Measurement of surface tension. 2,401,053; May 28.
- Curk, Ralph D., Dayton, Ohio, assignor to Chandler-Evans Corporation, South Meridan, Conn. Carburetor. 2,412,563; Dec. 17.
- Curlee, Harvey P., near Charlotte, N. C. Nut blanching machine. 2,405,292; Aug. 6.
- Curmode, Harry P., and N. N. Gardiner, assignors to The Reynolds & Reynolds Company, Dayton, Ohio. Perforated multiple part form sheet. 2,392,976; Jan. 15.
- Curran, James M.: See—
Banerman, Gordon H., Buran, and Trout.
- Current, Farmer L., South Charleston, W. Va., assignor to Carnegie-Illinois Steel Corporation. Heat measuring apparatus. 2,412,564; Dec. 17.
- Currie, Donald, Odebolt, Iowa. Hitch attachment for tractors. 2,392,903; Jan. 15.
- Currie, Eric M., assignor to The International Meehanite Metal Company, Limited, London, England. Apparatus for the determination of the fluidity of molten metals. 2,395,254; Feb. 19.
- Currie, Lauchlin M., executor: See—
Yngve, Victor.
- Curry, Harold E., Seattle, Wash. Atomizer. 2,406,997; Sept. 3.
- Curry, Herman H., Montgomery County, Md., and A. M. Dudley, Oakmont, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Diesel electric marine drive. 2,400,979; May 28.
- Curry, Herman H., Montgomery County, Md., and A. M. Dudley, Oakmont, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Diesel electric marine drive. 2,411,897; Nov. 19.
- Curry, Paul N.: See—
Morgan, Ralph E., and Curry.
- Curry, Robert S., Jr.: See—
Eaval, Orland E., and Curry.
- Curry, Robert S., Jr., Baldwin, assignor to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Gyro flux valve compass system. 2,393,974; Feb. 5.
- Curry, Robert S., Jr., Baldwin, assignor to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Magnetic coupling controlling gyro instruments. 2,397,949; Apr. 9.
- Curry, Robert S., Jr., Baldwin, assignor to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Controlling means for gyro instruments. 2,401,337; June 4.
- Curry, Robert S., Jr., Baldwin, N. Y., assignor to Sperry Gyroscopic Company, Inc. Erecting means for gyro vertical instruments. 2,408,411; Oct. 1.
- Curtis, David, New York, N. Y. Aqueous salts of p-aminobenzoic acid esters. 2,395,538; Feb. 26.
- Curtis, David, Bronx, N. Y. Cementitious preparations. 2,413,294; Dec. 31.
- Curtis, Dwight C., Deerfield, Ill. Handling and stacking railroad ties and the like. 2,396,090; Mar. 5.
- Curtis, Earl W., Cuyahoga Falls, Ohio. Massaging machine. 2,395,040; Feb. 19.
- Curtis Engineering Company, assignee: See—
Morgan, Harry C.
- Curtis, Franklin E., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,392,082; Jan. 1.
- Curtis, Franklin E., Willoughby, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Sheet feeding mechanism. 2,393,014; Jan. 29.
- Curtis, Fred W., Chicago, Ill., assignor to Ivano, Inc. Sealing contract. 2,397,246; Mar. 26.
- Curtis, Geoffrey, Coventry, assignor to Courtalds Limited, London, England. Twisting spindle for spinning, twisting, and like machines. 2,402,023; June 11.
- Curtis, James H.: See—
Bolinger, John C., Brumbaugh, and Curtis.
- Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Drilling apparatus. 2,407,976; Sept. 24.
- Curtis, Leslie F., Great Neck, N. Y., assignor to Hazeltine Corporation, New York, N. Y. Carrier-signal limiting system. 2,395,615; Feb. 26.

- Curtis, Leslie F., Great Neck, N. Y., assignor to Hazeltine Corporation. Adjustable coupling system. 2,396,631; Mar. 19.
- Curtis, Lorin W.: *See*—
Braundsdorff, Reginald K., and Curtis.
- Curtis, Lucien B., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,412,800; Dec. 17.
- Curtis Pump Company, assignee: *See*—
Curtis, Russell R.
Curtis, Russell R., and Gates.
Curtis, Russell R., and Heckert.
Curtis, William H., and R. R. Dinsmore, Theodore R.
Dinsmore, Theodore R., and Thompson.
Heckert, Frederick W.
- Curtis, Raymond M., Baltimore, Md., assignor to Macalaster Bicknell Company, Cambridge, Mass. Fluid inlet-outlet device, particularly for clinical purposes. 2,409,343; Oct. 15.
- Curtis, Russell R.: *See*—
Curtis, William H. and R. R.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Booster pump for aircraft fuel systems. Re. 22,739; Apr. 2.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Vane type booster pump. 2,400,391; May 14.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Slotted throat booster pump. 2,408,918; Oct. 8.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Fuel system. 2,409,931; Oct. 22.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Pump pressure control system. 2,409,975; Oct. 22.
- Curtis, Russell R., and F. W. Heckert, assignors to Curtis Pump Company, Dayton, Ohio. Fuel supply system. 2,394,431; Feb. 5.
- Curtis, Russell R., and R. L. Gates, assignors to Curtis Pump Company, Dayton, Ohio. Pump and motor assembly. 2,413,546; Dec. 31.
- Curtis, Sidney: *See*—
Rice, Edward A. B., Rose, and Curtis.
- Curtis, Thomas E.: *See*—
Graves, Will T., Jr., and Curtis.
- Curtis, William H., Los Angeles, Calif., and R. R. Curtis, assignors to Curtis Pump Company, Dayton, Ohio. Booster pump. 2,394,154; Feb. 5.
- Curtiss, Leon F.: *See*—
Krasnow, Shelley, and Curtiss.
- Curtiss, William R., assignor, by mesne assignments, to Great American Industries, Inc., Meriden, Conn. Shielded spark-plug connector. 2,398,359; Apr. 16.
- Curtiss-Wright Corporation, assignee: *See*—
Andreopoulos, Theodore C., and Papadakos.
Birk, Paul M.
Blaylock, Raymond C.
Campbell, James R.
Cummings, Roy.
Enos, Louis E.
Flader, Fredric E.
Green, Christopher A.
Griswold, Gale, and Cannon.
Guerke, Ralph M.
Hawn, Ralph A., and Lacher.
Jenkins, Edward S., and Donovan.
Kearney, Norman L.
Korodi, Paul C., and McKinnie.
McKee, James H.
Meyer, Edward J.
Noyes, John, Jr., and Daggett.
Palmatier, Everett P.
Poekel, Charles A.
Rossmann, Peter F.
Steele, Frederick I.
Stewart, George E.
Trautschold, Reginald.
Trimbach, Clem G.
Trimbach, Clem G., and Birk.
Watt, James A., and Perkins.
- Curtze, Max, Los Angeles, Calif., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Capping tubing. 2,406,745; Sept. 3.
- Curved Plywood Products Co., assignee: *See*—
Stewart, James S.
- Cusa, Noel W.: *See*—
Baldwin, Alfred W., Cusa, and Worthington.
- Cushman, Clifford E., Roscoe, assignor to Sturgees, Inc., Glendale, Calif. Control cable regulator. 2,399,793; May 7.
- Cushman & Dennison Manufacturing Company, Inc., assignee: *See*—
Cushman, James S.
Cushman, Everett H., New York, N. Y., assignor to Air Reduction Company, Incorporated. Auxiliary jaw electrode holder. 2,402,535; June 25.
- Cushman, James S., assignor to Cushman & Dennison Manufacturing Company, Inc., New York, N. Y. Package tie. 2,392,648; Jan. 8.
- Cushman Sons Inc., assignee: *See*—
MacManus, John.
- Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Tertiary amino derivatives of dihydroanthracene. 2,403,453; July 9.
- Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Tertiary amino derivatives of dihydro-anthracene. 2,404,219; July 16.
- Cusick, Edward F., Des Plaines, Ill. Producing mineral wool in pellet form. 2,394,155; Feb. 5.
- Custer, Warren A., Newtown, Pa. Aircraft cabin and compartment for high altitude operation. 2,395,852; Mar. 5.
- Cutler-Hammer, Inc., assignee: *See*—
Carlyle, Howard L.
Cox, Irvin W.
Cox, Irvin W., and Drugmand.
Emley, Philip W.
Feldhausen, Cyril P.
Hunter, Richard B.
Lightfoot, Edwin N.
Meuer, George J., and Millermaster.
Pell, Eric.
Posselt, Edward J.
Reeves, James B.
Russell, Frank J.
Schmidt, Edwin X.
Seeger, Edwin W.
Wirzmann, Alex A.
- Cutler, Jacob, Matapan, Mass. Mechanism for removing blanks from magazines and transferring the blanks to mandrels. 2,396,988; Mar. 19.
- Cutler, Lloyd K., assignee, et al.: *See*—
Moran, Terence J.
- Cutrer, Glynn E., Kentwood, La. Attachment for tractors. 2,392,027; Jan. 1.
- Cuttino, William H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switching device. 2,406,321; Aug. 27.
- Curtis, James, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Air intake for internal combustion engines. 2,396,317; Mar. 12.
- Cwicz, John D., Luray, Kans. Grain loading and unloading device. 2,401,465; June 4.
- Cyclops Commercial and Construction Co., Ltd., assignee: *See*—
Williams, Francis A.
- Cypser, Hugo F., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Electrical circuit controlling device. 2,392,810; Jan. 15.
- Cyr, Benjamin: *See*—
Beam, Vilynn O., Cyr, and Wilson.
Czarnikow, George K., assignor to Wollensak Optical Company, Rochester, N. Y. Iris diaphragm mechanism for project lenses. 2,417,777; Nov. 26.
- Czerner, Severin F., Kings Mill, Tex. Folding tail vane windmill. 2,407,816; Sept. 17.
- Czerner, Severin F., Kings Mill, Tex. Carburetor. 2,409,739; Oct. 22.
- Czolgosz, Michael S., assignor of one-half to H. Shanker, Gary, Ind. Safety shutoff device for furnaces. 2,397,474; Apr. 2.
- Czudek, August J., assignee: *See*—
Gilch, Herman F.
Schneider, Walter E.
- Dack, Leo O. J., Leicester, England. Shoe and the like. 2,399,543; Apr. 30.
- Dacrematt Limited, assignee: *See*—
Baker, Thomas T.
- Dadisman, Frank B., Confluence, Pa. Sealed beam flashlight lamp. 2,402,375; June 18.
- Daeves, Karl: *See*—
Becker, Gottfried, Daeves, and Steinberg.
- Daggett, Myron L., Jr.: *See*—
Noyes, John, Jr., and Daggett.
- Dahl, Harry, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc. Contact locating method. 2,406,281; Aug. 20.
- Dahl, Llewellyn M., Moorhead, Minn. Combination dental diagnosis and office desk. 2,398,923; Apr. 23.
- Dahl-Rode, Steinn, New York, N. Y. Water softening material and preparing same. 2,391,951; Jan. 1.
- Dahlander, Noel L., assignee: *See*—
Ellis, Frederick A.
Mosher, Walter I.
- Dahlman, Noel L., New Milford, Pa. Ladder. 2,397,950; Apr. 9.
- Dahle, Joseph, West Newton, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Making hollow articles. 2,397,340; Mar. 26.
- Dahle, Joseph, West Newton, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Treating polyvinyl alcohol. 2,407,061; Sept. 3.
- Dahle, Lawrence A., Marietta, Minn. Combination square and bevel. 2,406,531; Aug. 27.
- Dahlin, David: *See*—
Darby, Harry and Dahlin.
- Dahlman, Verner, assignor to American Air Filter Company, Inc., Louisville, Ky. Open-faced air filter frame. 2,408,293; Aug. 6.
- Dahlstrand, Josef Y., Indianapolis, Ind. Right angle transmission unit. 2,392,313; Jan. 8.
- Dahlstrom, John J., New Orleans, La. Wheeled toy. 2,398,290; Apr. 9.

- Dalber, Emil, Cleveland, Ohio. Pitot tube. 2,393,593; Jan. 29.
- Dalley, Donald E., Germantown, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Refrigerator assembly. 2,392,727; Jan. 8.
- Dalley, Donald E., Germantown, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Refrigerator. 2,393,238; Jan. 22.
- Dalley, Gardner A., San Francisco, assignor to Rheem Manufacturing Company, Richmond, Calif. Shower stall. 2,394,667; Feb. 12.
- Daley, Hampton J., *See*—
Werner, Leo C., and Daley.
- Daley, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Electronic discharge device. 2,396,772; Mar. 19.
- Daley, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,409,667; Oct. 22.
- Daley, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat transfer assembly. 2,409,668; Oct. 22.
- Daley, Hampton J., and L. C. Werner, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,404,042; July 16.
- Daley, Marvel C., *See*—
King, George D., and Daley.
- Dally, Robert A., and L. G. Crooks, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Nonspill vent plug. 2,405,736; Aug. 13.
- Dain Manufacturing Company of Iowa, assignee: *See*—
Hill, George B., and Jones.
- Dake, Charles W., Grand Haven, Mich. Telescope sight. 2,391,122; Jan. 1.
- Dake Engine Co., assignee: *See*—
MacBwing, Eugene D.
- Dakin, Geoffrey, Didsbury, Manchester, assignor to The British Cotton Industry Research Association, Manchester, England. Machine for drafting fibrous materials. 2,399,006; Apr. 23.
- Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Phonograph tone arm mounting. 2,402,150; June 18.
- Dale, Harold E., *See*—
Zap, Edward F.
- Dale, Loring J., Pie dough former, trimmer, and crimper. 2,409,021; Oct. 8.
- D'Allo, Gaetano F., *See*—
Wilson, Frank B., Esselen, and D'Allo.
- D'Allo, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Reaction products of dimethyl urea and a halogenated acetamide. 2,393,752; Jan. 29.
- D'Allo, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Preparing hydroxyarylamino triazines. 2,393,755; Jan. 29.
- D'Allo, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Triazine derivatives. 2,394,042; Feb. 5.
- D'Allo, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Substituted phenols. 2,394,754; Feb. 12.
- D'Allo, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Interpolymers of a methylene malonic ester and an unsaturated alkyl resin. 2,403,701; July 9.
- D'Allo, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Copolymers of divinyl benzene and vinyl acetate. 2,404,220; July 16.
- D'Allo, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Copolymer of styrene and fusible partial polymer of divinyl benzene. 2,405,817; Aug. 13.
- D'Allo, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Interpolymerization products. 2,407,479; Sept. 10.
- D'Allo, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Synthetic compositions and products having molecularly oriented structure. 2,412,034; Dec. 3.
- D'Allo, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Synthetic resin bonded abrasive. 2,405,213; July 2.
- D'Allo, Gaetano F., Northampton, Mass., assignor to General Electric Company. Preparing allyl and methallyl ether esters. 2,406,590; Aug. 27.
- D'Allo, Gaetano F., Northampton, Mass., assignor to General Electric Company. Mixtures of isomeric triazole derivatives and preparing the same. 2,406,591; Aug. 27.
- D'Allo, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Manufacture of brush backs. 2,413,219; Dec. 24.
- D'Allo, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Reaction products of aldehydes and triazine derivatives. 2,392,366; Jan. 8.
- D'Allo, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Triazine derivatives. 2,392,649; Jan. 8.
- D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Reaction products of aldehydes and diazine derivatives. 2,392,837; Jan. 15.
- D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Compositions containing diazinyll carboxy-alkyl sulphides. 2,393,753; Jan. 29.
- D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Reaction products of aldehydes and triazine derivatives. 2,393,754; Jan. 29.
- D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Preparing a diazine derivative. 2,403,790; July 9.
- D'Aleo, Paul F., Brooklyn, N. Y. Swivel. 2,400,291; May 14.
- Dales, George F., assignor of one-third to A. R. Wells, Akron, Ohio. Electric timepiece movement. 2,400,887; May 21.
- Daley, Harold B., Fort Worth, Tex. Combination work and jig support. 2,401,054; May 28.
- Daley, Henry G., *See*—
Hayden, Kenneth F., Valas, and Daley.
Payne, John W., Sargent, and Daley.
- Dalín, David, Södertälje, Sweden. Method of and apparatus for utilizing waste heat. 2,404,792; July 30.
- Dalín, David, Södertälje, Sweden. Fluid cooled damper. 2,410,017; Oct. 29.
- Dalín, George A., assignor to Plax Corporation, Hartford, Conn. Making organo-silicon compounds containing a C-Si bond. 2,405,019; July 30.
- Dallas Machine & Locomotive Works, Inc., assignee: *See*—
Waters, John L.
- Dallin, Edwin B., Arlington Heights, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling apparatus. 2,407,256; Sept. 10.
- Daly, R. F., H. Goldsmith, and D. J. Munroe, assignors to Webster Electric Company, Racine, Wis. Recorder. 2,412,718; Dec. 17.
- Dalrymple, Ferdinand H., Bedford, Ohio. Conveyor chain. 2,402,370; June 18.
- Dawn, Isaac R., Teaneck, N. J. Crystalline pellets and preparation. 2,400,292; May 14.
- Dalton, Harold R., Teaneck, N. J., and A. G. Cooley, New York, N. Y., assignors, by mesne assignments, to Time-fax Corp., Philadelphia, Pa. Making duplicating blanks by telefacsimile and the like. 2,398,779; Apr. 23.
- Dalton, Robert H., assignor to Corning Glass Company, Corning, N. Y. Glasses-to-metal seal. 2,392,314; Jan. 8.
- Daly, George F., and B. H. Phillips, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Bubble leveling device for training apparatus. 2,412,495; Dec. 10.
- Daly, Thomas A., Sharpesville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Starting device. 2,405,056; July 2.
- Dalzen, Frederick R., assignee, et al.: *See*—
Dalzen, William F.
- Dalzen, Louella M., assignee, et al.: *See*—
Dalzen, William F.
- Dalzen, William F., Lennox, assignor to L. M. W. R., and F. R. Dalzen, Detroit, Mich., trustees. Grinding wheel edge dresser. 2,403,206; July 2.
- Dalzen, William R., assignee, et al.: *See*—
Dalzen, William F.
- Dabiel, Charles F., Berkeley, Calif. Electric fence. 2,401,115; June 11.
- Dam, Henry R.: *See*—
Lang, M., and Dam.
- Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Treating cereal grains. 2,393,979; Feb. 5.
- Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Agitation and aeration apparatus. 2,410,429; Nov. 5.
- Dannan, Arthur C., and L. H. Logue, assignors to Mining Process and Patent Company, Denver, Colo. Agitating means and method. 2,393,976; Feb. 5.
- Dana, Homer J., and H. F. Clarke, assignors to State College of Washington Research Foundation, Pullman, Wash. Electric counter and speed measuring device. 2,400,489; May 21.
- Dana, Leo I., Pellham, assignor to The Linde Air Products Company, New York, N. Y. Insulated container for liquefied gases and the like. 2,396,459; Mar. 12.
- Danel, Pierre F., assignor to Ateliers Neyret-Beylier & Picard-Pictet & Co. (Société Anonyme), Grenoble, France. Valve system for sea wave power installations. 2,410,430; Nov. 5.
- Danforth, Joseph D., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of hydrocarbons. 2,410,151; Oct. 29.
- Danforth, Joseph D., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,412,675; Dec. 17.
- Dangelmajer, Charles, Nutley, assignor to Resistoflex Corporation, Belleville, N. J. Polyvinyl alcohol composition. 2,395,616; Feb. 26.

- Dangelmajer, Charles, Nutley, assignor to Resistodex Corporation, Belleville, N. J. Polyvinyl alcohol composition. 2,408,377; Oct. 1.
- Daniel, Frederick K., Long Island City, N. Y., and J. L. Hutchings, Newark, N. J.; said Daniel assignor to Hornum Corporation, Long Island City; said Hutchings assignor to Brosites Machine Company, New York, N. Y. Dialyzer. 2,399,471; Apr. 30.
- Daniel, Isabelle H., Los Angeles, Calif. Liquid applicator. 2,407,770; Sept. 17.
- Daniel, Thomas A., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for soldering. 2,409,615; Oct. 22.
- Daniel, Walter: *See—*
Daur, Theodor, and Daniel.
- Daniels, Arthur W., Cedar Rapids, Iowa, and J. P. Murtaugh, Oak Park, Ill. Dragline bucket. 2,398,360; Apr. 16.
- Daniels, Claude H., Greenwich, Conn. Shoe. 2,398,623; Apr. 16.
- Daniels, Fred C. T., Bridgeville, assignor to Mackintosh-Hemphill Company, Pittsburgh, Pa. Producing rolls. 2,394,156; Feb. 5.
- Daniels, Jack, Brooklyn, N. Y. Garment. 2,399,428; Apr. 30.
- Daniels, John J., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Work holder for machine tools. 2,398,924; Apr. 23.
- Daniels, Lee G., Rockford, Ill. Automatic water treating device. 2,407,538; Sept. 10.
- Daniels, Lee G., Rockford, Ill. Valve system and control therefor. 2,407,539; Sept. 10.
- Daniel, Paul P., Los Angeles, Calif. Orifice plate carrier. 2,407,951; Sept. 17.
- Daniels, Rupert S., Union, N. J., assignor to Bakelite Corporation, New York, N. Y. Resinous compositions. 2,398,361; Apr. 16.
- Daniels, Theodore L., Great Neck, assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Combination covered butter dish and toast rack. 2,406,669; Aug. 27.
- Daniella, Emma G., Berlin Heights, Ohio. Device for use in roasting poultry and the like. 2,404,166; July 16.
- Daninos, Jean C.: *See—*
Amand, Raymond H., and Daninos.
Mejean, Jacques G., and Daninos.
- Dank, Alfred P.: *See—*
Williams, Alfred L. W., and Dank.
- Danley, Gail L., assignee: *See—*
Gibb, Thomas.
- Dannenberg, Eli M.: *See—*
Hauser, Ernst A., and Dannenberg.
- Dannenbert, Hans: *See—*
Adelson, David E., and Dannenberg.
- Danner, Arthur W., Villanova, Pa., assignor to Socony Vacuum Oil Company, Incorporated, New York, N. Y. Converting hydrocarbons. 2,407,817; Sept. 17.
- Danner, Harry S., Tamaqua, Pa. Pipe-line repair plug. 2,399,544; Apr. 30.
- Danuel, Samuel E., Cheyenne, Wyo. Tap operating mechanism. 2,406,204; Aug. 20.
- Dansereau, Charles E., Lakewood, assignor of one-half to H. M. Burt, Narragansett, and one-half to G. H. Burt, Cranston, R. I. Tubular lamp mounting. 2,403,968; July 16.
- D'Antonio, Frank, San Francisco, Calif. Identification button. 2,411,987; Dec. 3.
- Dantz, Thomas M., Chicago, Ill., assignor to The Ruberoid Co., New York, N. Y. Composite roof. 2,408,251; Sept. 24.
- D'Aprile, Carmen, New York, N. Y., assignor to Panty-Zip, Inc. Garment. 2,411,129; Nov. 12.
- Darby, George M., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Hydraulic sizer for suspended solids. 2,410,637; Nov. 5.
- Darby, Harry and D. D. Whelan, Kansas City, Kans. Amphibian landing device. 2,393,296; Jan. 22.
- Darby, William D., West Allis, Wis. Catenary rooflike construction and forming it. 2,411,651; Nov. 26.
- Darek, Carl J. G.: *See—*
Mannerstedt, Folke K. E., and Darek.
- D'Arcy, James M., Brooklyn, N. Y. Crochet ball holder. 2,410,018; Oct. 29.
- Darden, Roy W., Atlanta, Ga. Building block forming machine. 2,400,631; May 21.
- D'Ardenne, Walter H.: *See—*
Green, Samuel G., D'Ardenne, Meinel, and De Vore.
- Dare, Curtis T., assignor to Ex-Cell-O Corporation, Detroit, Mich. Rotary cutter head. 2,398,362; Apr. 16.
- Darenberg, George W., Freeport, N. Y. Printing means. 2,400,632; May 21.
- Darling & Company, assignee: *See—*
Patience, William M., and Kimball.
- Darling, Frank L., Hollywood, Calif. Screw driver. 2,396,040; Mar. 5.
- Darling, Lewis A., Elkins Park, Pa., assignor of eighty per cent to Peerless Turbine Corporation, Wilmington, Del. Fluid turbine. 2,405,190; Aug. 6.
- Darling, Robert B., Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del. Treatment of cellulose. 2,394,370; Feb. 5.
- Darnall, James C.: *See—*
Byrnes, James C., Moriarty, and Darnall.
- Darnell, Rex C., assignor to King-Seely Corporation, Ann Arbor, Mich. Speed governor. 2,408,161; Sept. 24.
- Darragh, John K., Milwaukee, and H. E. Rue, Wauwatosa, Wis., assignors to Pabst Brewing Company, Chicago, Ill. Combined bottle carrier and carton. 2,413,315; Dec. 31.
- Darrah, William A., Chicago, Ill., assignor to Owens-Illinois Glass Company, Apparatus for testing containers. 2,407,062; Sept. 3.
- Darrow, Clarence E., Miami, Fla. Helicopter. 2,404,829; July 30.
- Darwin, Clifford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Letoff looms. 2,398,925; Apr. 23.
- Darwin, Joseph A., East Orange, and R. Robertson, Kearney, N. J., said Robertson assignor to said Darwin. Automatic phonograph. 2,406,355; Aug. 27.
- Dasburg, Alfred V.: *See—*
Hailes, William D., Brixner, Barker, and Dasburg.
- Dashew, Jacob, Baltimore, Md. Thread marking machine. 2,412,168; Dec. 17.
- Dashew, Robert L., deceased, Baltimore, Md.; Ruth L. Dashew, administratrix. Thread marker mechanism. 2,410,270; Oct. 29.
- Dashew, Ruth L., administratrix: *See—*
Dashew, Robert L.
- Da Silveira, Isaura V., Galt, Calif. Combination cigarette holder and ash tray. 2,392,650; Jan. 8.
- Daskais, Morris H., and E. K. Fields, Chicago, Ill., assignors to Research Corporation. Organic compounds and making same. 2,400,376; May 28.
- D'Assis-Fonseca, Harold M.M.: *See—*
Bowsler, E. A. H., d'Assis-Fonseca, and Ward.
- D'Assis-Fonseca, Harold Montjoy Muschamp, and H. J. Ward, London, W. C. 2, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric signaling system. 2,397,666; Apr. 2.
- Dath, George E.: *See—*
Lehman, Edward H., and Dath.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,392,028; Jan. 1.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,392,977; Jan. 15.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,395,171; Feb. 19.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,396,773; Mar. 19.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,400,490; May 21.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Door operator. 2,402,241; June 18.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,403,584; June 25.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 2,403,583; July 9.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,405,644; Aug. 13.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,406,064; Aug. 20.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,410,162; Oct. 29.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,412,295; Dec. 31.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,393,297; Jan. 22.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,396,774; Mar. 19.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and friction shock absorbing mechanism. 2,398,083; Apr. 9.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 2,399,209; Apr. 30.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 2,399,210; Apr. 30.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 2,402,987; July 2.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,404,278; July 16.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,411,956; Dec. 3.
- Dath, George E., and R. J. Olander, assignors to W. H. Miner, Inc., Chicago, Ill. Draft gear. 2,403,585; July 9.
- Daub, Rudolph, West Caldwell, N. J. Internal-combustion engine. 2,392,464; Jan. 8.
- Daub, Rudolph, West Caldwell, N. J. Internal-combustion engine. 2,412,952; Dec. 24.
- Daunt, William H., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes and making them. 2,397,727; Apr. 2.
- Daughdrill, James H., Dalton, and R. F. Jessen, assignors, to Callaway Mills, La Grange, Ga. Doffing and donning apparatus. 2,412,444; Dec. 10.
- Daughnins, Henry C., Valley City, N. Dak. Cover for tin cans. 2,412,603; Dec. 17.

- Daur, Theodor, Mannheim, and W. Daniel, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Adhesives and producing same. 2,407,143; Sept. 3.
- Dausmann, Charles F., New Hyde Park, assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Piezocrystal device of the sealed type. 2,412,719; Dec. 17.
- Dauster, John F., Wilkensburg, Pa. Head harness. 2,400,077; May 14.
- Dauster, John F., Wilkensburg, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Air purifying and filtering apparatus. 2,400,076; May 14.
- Dautrick, Owen L., Detroit, Mich. Storm window construction. 2,402,242; June 18.
- Dautrick, Owen L. and S. J., Detroit, Mich. Window structure. 2,397,090; Mar. 26.
- Dautrick, Stewart J.; See—
- Dautrick, Owen L. and S. J.
- D'Avanzo, Alfonso, Yonkers, N. Y. Bracket. 2,395,255; Feb. 19.
- Davenport, Arthur, Macclesfield, England. Feeding mechanism for ring doubling and like frames. 2,405,410; Aug. 6.
- Davenport, Charles C., Media, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,400,392; May 14.
- Davenport, Charles C., Media, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,402,377; June 18.
- Davenport, James E., Richmond, Calif., assignor of one-half to L. J. Quinn. Safety appliance for hoisting apparatus. 2,393,312; Jan. 22.
- Davenport, James E., and L. J. Quinn, Richmond, Calif.; said Quinn assignor to said Davenport. Stabilizer attachment for cranes. 2,408,378; Oct. 1.
- Davenport, Robert; See—
- Bell, Robert S., and Davenport.
- Davenport-Woosley Processing Corporation, assignee; See—
- Patton, James E.
- Davey, Edward P., and E. W. H. Selwyn, Wealdstone, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitive photographic materials. 2,403,708; July 9.
- David, Raymond C., Leominster, Mass., assignor to Delamere Company, Inc., New York, N. Y. Hair wave clip. 2,409,197; Oct. 15.
- David, William K.; See—
- Beattie, Horace S., and David.
- Davidoff, Isidore, assignee; See—
- McClure, Chauncy H.
- Davidson, Ernest M., assignor to Gladding, McBean & Co., Los Angeles, Calif. Sewer pipe joint. 2,401,554; June 4.
- Davidson, Jess S. W., Mountain View, Calif. Rotary electrical boost device for reducing control forces on airplanes. 2,406,356; Aug. 27.
- Davidson, Allen M., South Bend, Ind. Trolling device. 2,393,090; Jan. 15.
- Davidson, Arthur C., Chicago, Ill. Railway truck spring brake. 2,404,475; July 23.
- Davidson, Charles A., Pottstown, Pa. Stripper mechanism for conveyors. 2,398,821; Apr. 23.
- Davidson, Cyril D., Washington, Pa. Vulcanizing unit. 2,406,455; Aug. 27.
- Davidson, Cyril D., Washington, Pa. Die. 2,413,547; Dec. 31.
- Davidson, George E., Richmond, Calif. Fuel injection pump. 2,394,668; Feb. 12.
- Davidson, Glenn, Aurora, Ill. Adhesives from vegetable proteinous material. 2,394,043; Feb. 5.
- Davidson, Hobart O., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Funnel guide mounting. 2,411,036; Nov. 12.
- Davidson, John C., assignor to The Standard Register Company, Dayton, Ohio. Writing machine attachment. 2,392,838; Jan. 15.
- Davidson, Leo R., assignor to The Sturgis Products Co., Sturgis, Mich. Tumbling barrel. 2,393,615; Jan. 29.
- Davidson Manufacturing Corporation, assignee; See—
- Davidson, William W., and Breman.
- Dell, Edward F.
- Davidson, Roy H., assignor to Vassar Company, Chicago, Ill. Breast pocket for brassières. 2,397,247; Mar. 26.
- Davidson, Samuel H.; See—
- Taylor, James, and Davidson.
- Davidson, Trevor O., Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Trail jack. 2,412,971; Dec. 24.
- Davidson, Trevor O., Milwaukee, Wis., and L. B. Schauer, Los Angeles, Calif., assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Variable tread vehicle. 2,410,271; Oct. 29.
- Davidson, Wilbur L.; See—
- Calhoun, James C., Davidson, and Hansen.
- Davidson, William W., Evanston, and F. J. Breman, Chicago, Ill., assignors to Davidson Manufacturing Corporation. Printing press. 2,406,205; Aug. 20.
- Davies, Aaron, and C. Smith, Baker, Oreg.; G. Davies, administratrix of said A. Davies, deceased. Saw handle. 2,411,028; Nov. 12.
- Davies, Benjamin L., assignor to United Ebonite & Livalid Limited, Little Lever, near Bolton, England. Liquid containers such as those of electric accumulators. 2,406,592; Aug. 27.
- Davies, Charles, New York, N. Y. Air register. 2,395,319; Feb. 19.
- Davies, Gertrude D. M.; See—
- Zerner, Ernst, Davies, and Pollak.
- Davies, Gomer L., Woodside, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C. Radio beacon system. 2,402,378; June 18.
- Davies, Grace, administratrix; See—
- Davies, Aaron, and Smith.
- Davies, Guy, Kempston, England. Internal-combustion engine. 2,392,524; Jan. 8.
- Davies, Guy, Kempston, England. Rotary sleeve valve for internal-combustion engines. 2,395,994; Mar. 5.
- Davies, James A.; See—
- Scoville, Loren P., and Davies.
- Davies, James G.; See—
- Cartwright, Harold N., Davies, and Patterson.
- Davies, Richard E.; See—
- Magrane, John K., Esterly, and Davies.
- Davies, William H.; See—
- Ainley, Arthur D., and Davies.
- Davio, Joseph C., Agawam, Mass. Billfold. 2,403,507; July 9.
- Davis, Allan C., Baltimore, Md. Case unloading machine. 2,401,503; May 21.
- Davis, Andrew W., Madison, Ill. Matrix filler. 2,408,322; Aug. 27.
- Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Rubber compositions. 2,397,400; Mar. 26.
- Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Diaryl guanidine addition products. 2,409,109; Oct. 8.
- Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Plasticizing polypropylene polymers. 2,409,344; Oct. 15.
- Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. A diarylguanidine thiazole formaldehyde complex and making the same. 2,412,501; Dec. 17.
- Davis, Arthur C., Burbank, Calif. Brush and indexing assembly. 2,402,736; June 25.
- Davis, Arthur P., New York, N. Y., assignor to Arma Corporation. Gun control system. 2,406,324; Aug. 27.
- Davis, Arthur P., New York, assignor to Arma Corporation, Brooklyn, N. Y. Journaling mechanism. 2,410,602; Nov. 5.
- Davis, Arthur P., New York, and G. Agins, Brooklyn, N. Y., assignors to Arma Corporation. Remote control apparatus. 2,406,283; Aug. 27.
- Davis, Arthur P., New York, and J. K. Macomber, Rockville Centre, N. Y., assignors to Arma Corporation. Selective system for gunfire control. 2,410,638; Nov. 5.
- Davis, Bernard E., Brooklyn, N. Y. Adhesive tape. 2,399,545; Apr. 30.
- Davis, Ernest W., and M. W. Arthur, Kingman, Ariz. Internal-combustion engine. 2,401,466; June 4.
- Davis, Charles A., Peoria, Ill. Mooring device. 2,408,057; July 2.
- Davis, Charles P., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Spray crystallizing apparatus. 2,396,689; Mar. 19.
- Davis, Claud F., Johnson City, Tenn. Pump. 2,392,029; Jan. 1.
- Davis, Clyde O., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Operation of internal-combustion engines. 2,393,594; Jan. 29.
- Davis, Clyde O., and L. A. Burrows, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Perforating wet casings. 2,399,211; Apr. 30.
- Davis, Edward P., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Curing abrasive binders and abrasive articles produced thereby. 2,405,191; Aug. 6.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Drying machine. 2,397,091; Mar. 26.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Neck band clamp mechanism. 2,409,110; Oct. 8.
- Davis, Ernest W., River Forest, Ill. Lubricating apparatus. 2,399,171; Apr. 30.
- Davis, Ernest W., River Forest, Ill. Lubricating device. 2,403,055; July 2.
- Davis, Ernest W., River Forest, Ill. Pneumatic motor. 2,406,747; Sept. 3.
- Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Resistance unit. 2,392,030; Jan. 1.
- Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant pump. 2,399,172; Apr. 30.
- Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Grease strainer. 2,404,621; July 23.
- Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Oil cup. 2,406,746; Sept. 3.

- Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant fitting. 2,410,480; Nov. 5.
- Davis, Frances L., executrix: *See—*
- Davis, Walwin L.
- Davis, Francis W., Belmont, Mass. Power steering apparatus. 2,410,049; Oct. 29.
- Davis, Frank M., Cedar Rapids, Iowa, assignor to Collins Radio Company. Radio transmitting and receiving system. 2,402,606; June 25.
- Davis & Furber Machine Company, assignee: *See—*
- Desrosiers, Lionel.
- Davis, Garland H. B., Elizabeth, N. J., assignor to Standard Oil Development Company. Diesel fuels. 2,403,267; July 2.
- Davis, Garland H. B., Hillsdale, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Nonfoaming compositions and making same. 2,394,596; Feb. 12.
- Davis, Garland H. B., Elizabeth, W. J. Sweeney, Summit, and W. A. Herbst, Union, N. J., assignors to Standard Oil Development Company. Fuels for aircraft engines. 2,403,268; July 2.
- Davis, Gustoff W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor. 2,405,192; Aug. 6.
- Davis, Hamilton C., Diablo, Calif. Conveyor dump. 2,397,129; Mar. 26.
- Davis, Harold C.: *See—*
- Williams, Russell J., and Davis.
- Davis, Harold S.: *See—*
- Carpenter, Erwin L., Davis, and Wiedeman, Morley, Charles E., and Davis.
- Davis, Harold S., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Manufacture of hydracetic acid. 2,410,776; Nov. 5.
- Davis, Helen S., assignee: *See—*
- Shumate, Frank-D., and Saathoff.
- Davis, Herbert L., Walpole, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Footwear pressing apparatus. 2,392,315; Jan. 8.
- Davis, Jack, El Dorado, Kans. Tool for installing nut plates or like. 2,405,779; Aug. 13.
- Davis, John H., Los Angeles, Calif. Shoe sole and heel construction. 2,410,019; Oct. 29.
- Davis, John H., assignor to A. Bender, Los Angeles, Calif. Shoe construction. 2,396,832; Mar. 19.
- Davis, John H., and R. W. Matthews, Aberdeen Proving Ground, Md., and N. G. McLean, Memphis, Tenn. Water-cooled ammunition rack. 2,408,809; Sept. 3.
- Davis, Kenneth, Ontario, Calif. Drive coupling. 2,397,538; Apr. 2.
- Davis, Lee M., assignor to Jones & Lamson Machine Company, Springfield, Vt. Work supporting and moving mechanism. 2,392,651; Jan. 8.
- Davis, Lee M., assignor to Jones & Lamson Machine Company, Springfield, Vt. Grinding wheel truing mechanism. 2,406,357; Aug. 27.
- Davis, Levi W., Marne, Mich. Boat trailer attachment. 2,410,570; Nov. 5.
- Davis, Lewis and E. C. Tuukkanen, Worcester, assignors to McLaughlin-Jones Co., Brookfield, Mass. Meltable adhesive sealing and reinforcing tape. 2,398,735; Apr. 16.
- Davis, Lewis, Worcester, and A. J. Gauthier, Brookfield, assignors to McLaughlin-Jones Co., Brookfield, Mass. Asphalt adhesive. 2,409,258; Oct. 15.
- Davis, Lewis W., Peabody, assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of zirconium hydride. 2,411,524; Nov. 26.
- Davis, Milton: *See—*
- Tonks, Lewi, and Davis.
- Davis, Orris L., and A. C. Nixon, Oakland, assignors to Shell Development Company, San Francisco, Calif. Treating hydrocarbons. 2,411,083; Nov. 12.
- Davis, Raymond R., Berkeley, Calif., assignor to Kalman Floor Company, Inc., New York, N. Y. Machine for surfacing concrete. 2,395,399; Feb. 26.
- Davis, Rowland F., Tuckahoe, N. Y., assignor to American Telephone and Telegraph Company. Selective signaling system. 2,408,299; Sept. 24.
- Davis, Roy S., Orsago, Mich. Egg cleaning machine. 2,412,565; Dec. 17.
- Davis, Tenney L., Norwell, assignor to National Fireworks, Inc., Hanover, Mass. Pyrotechnic devices. 2,409,111; Oct. 8.
- Davis, Vincent C.: *See—*
- Eldredge, Kenneth R., and Davis.
- Davis, Walter R.: *See—*
- Walmesley, Robert A., and Davis.
- Davis, Walwin L., deceased, by F. L. Davis, executrix, Avon, assignor to F. D. McCurdy, trustee, Cleveland, Ohio. Pump. 2,394,371; Feb. 5.
- Davis, Ward D.: *See—*
- Leary, William F., and Davis.
- Davis, William M., Cambridge, Mass. Sensitive drill press. 2,396,642; Mar. 19.
- Davison Chemical Corporation, The, assignee: *See—*
- Litty, Frederick L., Jr., and Patrick, Walter A., Jr.
- Davison, Robert L., New York, N. Y., and G. H. Rapp, New Haven, Conn., assignors to John B. Pierce Foundation, New York, N. Y. Building construction. 2,392,839; Jan. 15.
- Dawes, Rodney, Royal Oak, Mich. Window construction. 2,408,739; Oct. 8.
- Dawley, Clarence P.: *See—*
- Arnott, Edward G. F., and Dawley.
- Findlay, John H., Dawley, and Pfeiffer.
- Slack, Charles M., Dawley, and Pfeiffer.
- Slack, Charles M., Elyric, and Dawley.
- Slack, Charles M., Pfeiffer, and Dawley.
- Dawley, Clarence E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Trigatron tube. 2,413,175; Dec. 24.
- Dawn, George J., Vankegan, Ill., assignor to American Can Company, New York, N. Y. Conveyor wicket. 2,406,000; Aug. 20.
- Dawsey, Lynn H., Kenmore, and H. A. Rudolph, Buffalo, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Production of metal peroxides. 2,393,891; Jan. 29.
- Dawson, Albert, Tarentum, Pa. Holder for containers. 2,408,611; Oct. 1.
- Dawson, Daniel S., Tettenhall, Wolverhampton, assignor to Messrs. J. and L. London, England. Manufacture of threads, filaments, and the like from viscose. 2,393,595; Jan. 29.
- Dawson, Edward, New York, N. Y., assignor to Sperry Gyroscope Company, Inc. Rotary valve. 2,397,130; July 2.
- Dawson, Edward, assignor to Sperry Gyroscope Company, Inc., New York, N. Y. Articulated transmission. 2,410,811; Nov. 12.
- Dawson, Fred, West Roxbury, and J. F. Smith, Quincy, assignors to Sperry Gyroscope Company, Boston, Mass. Shoe press. 2,397,843; Apr. 2.
- Dawson, George H., Chicago, and P. O. Unger, Elmhurst, assignors to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,403,851; July 9.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical control system. 2,394,535; Feb. 12.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Circuit for electrical space discharge devices and operating same. 2,402,607; June 25.
- Dawson, Orrie W., Ferndale, Mich. Grinding machine. 2,413,436; Dec. 31.
- Dawson, Reginald C., and R. Couch, Jr., Detroit, and V. A. Prange, Berkley, assignors to Synco-Cut Service Company, Detroit, Mich. Disintegrator drill. 2,395,212; Apr. 30.
- Dawson, Robert A., Ottawa, Ontario, Canada, assignor to Western Precipitation Corporation, Los Angeles, Calif. Material dispensing hopper. 2,401,913; June 11.
- Dawson, Samuel E., Fairway Hills, Md., and J. R. Pimlott, Lubbock, Tex. Electronic null indicator for electromagnetic micrometers. 2,393,077; Feb. 5.
- Day-Brite Lighting, Inc., assignee: *See—*
- Biller, David.
- Stempfl, Frederick.
- Day, Daniel A., Columbus, Ohio. Hair curling comb. 2,406,490; Aug. 27.
- Day, George G.: *See—*
- MacMullin, Robert B., and Day.
- Day, J. H., Company, The, assignee: *See—*
- Nicholls, Malcolm B.
- Day, John J.: *See—*
- Day, William P., J. J. and W. P., Jr., and Heglaw.
- Day, Joseph G., Toledo, Ohio, assignor, by mesne assignments, to Dental Research Corporation, Chicago, Ill. Production of artificial tooth structures. 2,412,207; Dec. 10.
- Day, Luther F., Hawthorne, assignor to North American Aviation, Inc., Inglewood, Calif. Pneumatic shock absorber for drop hammer. 2,398,084; Apr. 9.
- Day, Luther F., Hawthorne, Calif., assignor to North American Aviation, Inc. Press. 2,408,379; Oct. 1.
- Day, Roland B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,403,342; July 2.
- Day, Roland B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbonaceous solids. 2,406,810; Sept. 3.
- Day, Roland B., and E. R. Kanhofer, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Contacting fluids with finely divided solid particles. 2,395,106; Feb. 19.
- Day, Roland B., and E. R. Kanhofer, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Contacting fluids with finely divided solid particles. 2,400,194; May 14.
- Day, William P., Jr.: *See—*
- Day, William P., J. J. and W. P., Jr., and Heglaw.
- Day, William P., J. J. and W. P., Jr., Cleveland Heights, and V. E. Heglaw, East Cleveland, Ohio. Vibrating hand trowel. 2,400,341; May 14.
- Day, William P., Cleveland Heights, J. J. Day, Shaker Heights, W. P. Day, Jr., Cleveland Heights, and V. E. Heglaw, East Cleveland, Ohio. Pneumatic hand trowel. 2,411,317; Nov. 19.

- Dayton Acme Co., assignee: *See*—
Canady, Don.
- Dayton, Herbert P., Baytown, Tex., assignor to Standard Oil Development Company. Knife mount for high temperature precoat filters. 2,393,150; Jan. 15.
- Dayton Liquid Meter Co., The, assignee: *See*—
Houser, Jesse R.
- Dayton Precision Manufacturing Company, assignee: *See*—
Weber, Walter C.
- Dayton Rubber Manufacturing Company, assignee: *See*—
Crosby, Melvin A.
- Dayton Rubber Manufacturing Company, The, assignee: *See*—
Bacon, Henry M.
Bacon, Henry M., and Freedlander.
Freedlander, Abraham L.
- Dayton, Victor: *See*—
Wallerstein, James S., Farber, and Dayton.
- Dazley, Frederic C.: *See*—
Mueller, Adolf G., and Dazley.
- Deacon, Cora, Davenport, Iowa, assignor to Deacon Products, Inc., Moline, Ill. Culinary equipment. 2,397,410; Mar. 26.
- Deacon Products, Inc., assignee: *See*—
Deacon, Cora.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Electrical control system for automatic telephone systems. Re. 22,794; Oct. 1.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Electrical signaling system. 2,406,001; Aug. 20.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Selector terminal bank. 2,406,002; Aug. 20.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication switching system. 2,410,050; Oct. 29.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Conveyor system control. 2,410,051; Oct. 29.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Party line ringing system. 2,411,525; Nov. 26.
- Deakin, Gerald, New York, and E. S. McLarn, Manhasset, assignors to International Standard Electric Corporation, New York, N. Y. Impulse storing and repeating device. 2,411,526; Nov. 26.
- Deal, Harmon B., Glen Ridge, N. J., assignor to Radio Corporation of America. Communication and recognition system. 2,404,696; July 23.
- Deal, Harmon B., Bloomington, Ind., W. R. Alexander, Upper Montclair, N. J., and J. A. Rankin, Park Ridge, Ill. Receiver system. 2,413,296; Dec. 31.
- De Almeida, José G., Rio de Janeiro, Brazil. Automatic telegraph transmitter. 2,407,818; Sept. 17.
- Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft pickup and towing apparatus. 2,395,172; Feb. 19.
- Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Spring arrangement for railway trucks. 2,396,558; Mar. 12.
- Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Bolster construction for rail car underframes. 2,405,117; Aug. 6.
- Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Aircraft fuselage and wing construction. 2,407,480; Sept. 10.
- Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Repairing skin blankets. 2,412,972; Dec. 24.
- Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Metal repair structure. 2,412,973; Dec. 24.
- Dean, David, assignor to Eastman Kodak Company, Rochester, N. Y. Masking color transparencies in mounts. 2,399,976; Oct. 22.
- Dean, John, Harrisonburg, Va. Radio range orientator. 2,405,493; Aug. 6.
- Dean, Maxwell O., Logan, W. Va., assignor to Sullivan Machinery Company. Overload release device. 2,394,669; Feb. 12.
- Dean, Russell T., Stamford, Conn., and V. L. King, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of nicotinic acid. 2,409,345; Oct. 15.
- Dean, Sidney W., Jr., assignee et al.: *See*—
Crookford, Joseph R.
- Dean, Walter B., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Axle drive, especially for railway vehicles. 2,405,193; Aug. 6.
- De Anguera, Eva, assignee: *See*—
De Anguera, Philip.
- De Anguera, Philip, assignor to Eva de Anguera, Norwood, Ohio. Drilling machine. 2,398,134; Apr. 9.
- Deans, Frederick E.: *See*—
Brookshy, Ernest, and Deans.
- Dearborn, Arthur S.: *See*—
Morgan, Thomas J., and Dearborn.
- Dearborn Chemical Company, assignee: *See*—
Denman, Wayne L.
Gunderson, Lewis O.
- Deardorff, Clarence E., Sacramento, Calif. Cream separator. 2,399,665; May 7.
- Deere & Company, assignee: *See*—
Thompson, Hjalmar C.
- Dearing, Le Roy M., Washington, D. C. assignor to Eastman Kodak Company, Rochester, N. Y. Color correction in multilayer film. Re. 22,754; June 11.
- Dearing, Le Roy M., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic color correction process. 2,393,756; Jan. 29.
- Dearmin, Paul E.: *See*—
Baird, John B., and Dearmin.
- De Asis, Paul, New York, N. Y. Animal trap. 2,408,740; Oct. 8.
- Deatherage, George E., St. Albans, W. Va. Metal lath. 2,392,525; Jan. 8.
- Denton, Emsley T., Brownsboro, Ala. Milk bottle heater. 2,413,176; Dec. 24.
- Debacher, Max O., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl acetate. 2,409,548; Oct. 15.
- Debate, Robert, New Orleans, La., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag closure. 2,393,151; Jan. 15.
- De Baufre, William L., Lincoln, Nebr. Method and apparatus for separating and liquefying gases. 2,411,711; Nov. 26.
- De Baun, John E., Upper Saddle River, N. J. Power transmitting mechanism. 2,392,904; Jan. 15.
- De Beauregard, Amedee C., Locust Valley, N. Y., assignor to Specialties, Inc. Electrical follow-up system. 2,399,329; Apr. 30.
- De Bell, George W., Stamford, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation. Shock absorbing strut for aircraft. 2,396,318; Mar. 12.
- De Bell, George W., Middle River, and T. C. Hill, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Turnbuckle fairing and lock. 2,412,566; Dec. 17.
- De Benedictis, Aldo: *See*—
Luten, Daniel B., Jr.
- De Beukeler, Frank L., assignor to Industrial Patents Corporation, Chicago, Ill. Manufacture of glue. 2,397,650; Apr. 2.
- De Ber, Albert, L. G., assignor to Purdue Research Foundation, West Lafayette, Ind. Remote control system by variable frequency signals. 2,396,091; Mar. 5.
- De Brabander, Camiel, Newport, assignor to American Viscose Corporation, Wilmington, Del. Device for treating filamentary material. 2,402,609; June 25.
- De Bruin, Milton H., Washington, D. C., and E. F. Flock, Chevy Chase, Md. Unitary boring and countersinking tool. 2,409,616; Oct. 22.
- De Castro, Arthur: *See*—
Robinson, Edwin A., and De Castro.
- Deco Record Company, Limited, the, assignee: *See*—
O'Brien, William J.
- De Chappedelaine, Jean O., Reading, Pa. Flow controlled helicopter. 2,394,513; Feb. 5.
- De Chappedelaine, Jean O., Reading, Pa. Helicopter rotor mountings. 2,400,963; Nov. 12.
- Decker, Harry L., Ardmore, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Light transmitting element. 2,398,624; Apr. 16.
- Decker, Jacob, and G. W. Binns, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Centerless grinding machine. 2,397,131; Mar. 26.
- Deckert, Harold B., Inez, Tex. Pipe holder. 2,413,297; Dec. 31.
- De Coriolis, Ernest G., assignor to Surface Combustion Corporation, Toledo, Ohio. Carburezing one side only of relatively short tubular parts. 2,412,802; Dec. 17.
- De Coursey, Everson M.: *See*—
Thelander, W. Vincent, De Coursey, Bechman, and Henning.
- Dederick, Clinton H., Brentwood, assignor to The Emerson Electric Mfg. Company, St. Louis, Mo. Control mechanism. 2,413,137; Dec. 24.
- Dee, Thomas J., & Co., assignee: *See*—
Niles, Joseph B.
- Deebel, George F., Dayton, Ohio, assignor to Monsanto Chemical Company. Plasticized compositions. 2,399,530; Apr. 30.
- Deeks, Arthur, Urbana, Ill. Effecting material and heat transfer. 2,394,293; Feb. 5.
- Deems, Frank E., Birmingham, Ala., assignor to Continental Gln Company. Baling press dog. 2,392,465; Jan. 8.
- Deere & Company, assignee: *See*—
Anderson, Ralph L.
Colvin, Nolan D.
Court, Frank T.
Griff, Robert D.
Johnson, Ellsworth T.
Johnson, Theodore W.
Neighbour, Leonard B., and Thomann.
Oehler, Alvin W.
Oehler, Alvin W., and Johnson.
Reilin, Harvey H.
Silver, Walter H.
Strandlund, Carl G.
Waltz, Claude W., and Griff.
White, Charles H.

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- De la Roza, Joaquin J., Sr., New York, N. Y. Piston seal. 2,392,123; Jan. 1.
- De la Roza, Joaquin J., Sr., New York, N. Y. Self-cleaning piston. 2,392,123; Jan. 1.
- De la Roza, Joaquin J., Sr., New York, N. Y. Rotating valve. 2,399,472; Apr. 30.
- De La Roza, Joaquin J., Sr., New York, N. Y. Digester unit. 2,410,964; Nov. 12.
- De Lathauwer, Rene J., Hawthorne, N. J. Manufacture of worsted roving. 2,410,202; Oct. 29.
- De Laurentis, Peter F., and P. Kerber, New York, N. Y. Adjustable support. 2,398,413; Apr. 16.
- De Laval Separator Company, The, assignee: *See*—Strozyński, George.
- Delaware Engineering Corporation, assignee: *See*—Moore, William E.
- Del Bagno, Ignazio, assignor of fifty per cent to M. Del Bagno, Belleville, N. J. Wire hook. 2,411,318; Nov. 19.
- Del Bagno, Mary, assignee: *See*—Del Bagno, Ignazio.
- Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Shielded tube mounting. 2,398,626; Apr. 16.
- Del Castillo y Español, Eugenio D., Buenos Aires, Argentina. Dam structure. 2,407,952; Sept. 17.
- Delcun, Joseph G., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High voltage electrostatic generator. 2,398,981; Apr. 16.
- Delegard, Carl J., assignor to Joanna Textile Mills Company, Chicago, Ill. Venetian blind. 2,394,847; Feb. 12.
- Delegard, Carl J., Chicago, and R. Kreutz, River Grove, Ill. Apparatus for decorticating fibers. 2,412,445; Dec. 10.
- De Lery, George V., New York, N. Y. Pocket reading glass. 2,410,272; Oct. 29.
- Delgado, Jose F., Sanger, Calif. Pruning shears. 2,406,670; Aug. 27.
- Del Giudice, Victor J., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Manufacturing metal clips or links. 2,413,548; Dec. 31.
- De Lia, Ernest: *See*—Jones, Wilbur L., and De Lia.
- De Lisle, Harold L., deceased, Sheboygan, Wis., by W. H. Murphy executor, Chicago, Ill. Adjustable drafting stand. 2,404,949; July 30.
- Deliso, John, Worcester, Mass. Rotary broach. 2,407,921; Sept. 17.
- Dell, Edward F., Chicago, Ill., assignor to Davidson Manufacturing Corporation. Printing press. 2,412,182; Dec. 3.
- Dellinger Manufacturing Company, assignee: *See*—Sensenig, Miles L.
- De Liano, Jose S., assignor of one-fourth to R. M. Ferrer, Habana, Cuba. Closure device for rendering bottles nonrefillable. 2,407,063; Sept. 3.
- Delman, Herman B., assignee: *See*—Sutcliffe, Harry L.
- Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Regulating pressure cabins. 2,407,257; Sept. 10.
- Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Control for pressure cabins. 2,407,258; Sept. 10.
- Del Mar, Bruce E., West Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Cabin pressure control valve. 2,407,540; Sept. 10.
- Del Monte, Michael: *See*—Kuehlthau, Hugo L., Vokac, and Del Monte.
- De Long, George H., and B. Dreisbach, Allentown, Pa. Pump form. 2,410,153; Oct. 29.
- De Long, George H., and B. Dreisbach, Allentown, Pa. Shoe conditioner. 2,410,154; Oct. 29.
- Deloraine, Edmond M., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multiple telephone system. 2,395,467; Feb. 26.
- Deloraine, Edmond M., assignor to International Standard Electric Corporation, New York, N. Y. Electric wave communication system. 2,412,974; Dec. 24.
- Deloraine, Edmond M., New York, H. G. Busignies, Forest Hills, and L. A. de Rosa, Staten Island, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Facsimile system. 2,406,811; Sept. 3.
- Deloraine, Edmond M., New York, H. G. Busignies, Forest Hills, and L. A. de Rosa, Staten Island, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Facsimile system and method. 2,406,812; Sept. 3.
- Deloraine, Edmond M., and E. Labin, New York, N. Y., assignors to Federal Telephone and Radio Corporation. Radio direction method and system. 2,408,048; Sept. 24.
- Delta Manufacturing Company, The, assignee: *See*—Wiken, Christy A., and Boehnke.
- Wiken, Christy A., and Reibig.
- Delta-Star Electric Company, assignee: *See*—Polgorg, Nicholas G.
- Del Tufo, Nicholas G., Bloomfield, N. J. Paneling structure. 2,395,726; Feb. 26.
- Delucchi, Anthony W., assignor of one-half to H. A. Stagnaro, Stockton, Calif. Drive-in serving system. 2,405,294; Aug. 6.
- De Mario, Joseph, Pennsauken, N. J. Multiple pencil. Re. 22,757; May 21.
- Demartini, Robert J.: *See*—Miller, Charles E., and Demartini.
- Demartini, Robert J., Schenectady, and H. H. Leigh, Scotia, N. Y., assignors to General Electric Company. Control apparatus for testing machines. 2,411,451; Nov. 19.
- Demb, Kenneth, Salem, and M. L. Hayes, Beverly, assignors to Sylvania Electric Products Inc., Salem, Mass. Method and apparatus for coating fluorescent lamps. 2,413,437; Dec. 31.
- De Mers, Edward F.: *See*—Henderson, Kenneth L., and De Mers.
- De Michel, Frank, assignor of twenty-five per cent to W. J. Jacobsen, twenty and one-half per cent to R. P. Barsotti, and twelve and one-half per cent to V. J. Barsotti, Chicago, Ill. Support for abrasive disks. 2,410,812; Nov. 12.
- Deming Company, The, assignee: *See*—Mueller, Alexander V.
- Deming, George M., Orange, N. J., assignor to Air Reduction Company, Incorporated. Pressure regulator and composite gauge therefor. 2,394,987; Feb. 19.
- Deming, George M., Orange, N. J., assignor to Air Reduction Company, Incorporated. Aircraft breathing regulator. 2,403,508; July 9.
- Deming, Joseph H., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Method and apparatus for locating oil objects. 2,401,723; June 11.
- De Moss, Alvy, Akron, Ohio. Rail drilling jig. 2,394,988; Feb. 19.
- De Mott, Armand, Fords, N. J. Lawn sprinkler. 2,410,930; Nov. 12.
- Dempsey, Frank J.: *See*—Ryan, Commodore D., Dempsey, Straub, and Tyler.
- Dempsey, Oscar E., Tulsa, Okla. Flowing wells. 2,396,162; Mar. 5.
- Dempsey, Walter B., Moose Jaw, Saskatchewan, Canada. Grain cleaner. 2,407,653; Sept. 17.
- Dempster, Alexander: *See*—Lederer, Karl M., and Dempster.
- Lederer, Karl M., and Dempster.
- Dempster, George R., Knoxville, Tenn. Automatic hook. 2,404,830; July 30.
- De Muth, Francis L., Mitchell Field, N. Y. Direction finding procedure. 2,391,883; Jan. 1.
- Dennault, Clinton L., Clinton, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding system. 2,399,331; Apr. 30.
- Dence, Donald S.: *See*—Lapsley, Robert, and Dence.
- Dence, Donald S., Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,412,208; Dec. 10.
- De Niederhausen, Georges, assignor to Durand & Huguenin A. G., Basel, Switzerland. Producing fast dyes on artificial fibers with dyestuffs of the gallocyanine class. 2,411,249; Nov. 19.
- Denison Engineering Company, The, assignee: *See*—Blasutta, Victor V.
- Wright, Fred J.
- Denison, George H., Jr., and P. C. Condit, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Compounded lubricating oil. 2,394,536; Feb. 12.
- Denison, George H., Jr., and P. C. Condit, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Organic selenium and tellurium compounds. 2,398,414; Apr. 16.
- Denison, George H., Jr., and P. C. Condit, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Mineral oil composition and the like. 2,398,415; Apr. 16.
- Denison, George H., Jr., and P. C. Condit, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Compounded oil. 2,398,416; Apr. 16.
- Denison, George H., Jr., Oakland, and P. C. Condit, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Compounded oil. 2,400,106; May 14.
- Denison, Noel M., assignor to C. Earl Hovey, trustee, Kansas City, Mo. Vending machine door. 2,411,713; Nov. 26.
- Denman, Wayne L., Berwyn, assignor to Dearborn Chemical Company, Chicago, Ill. Treating waters, including boiler waters, and composition therefor. 2,400,543; May 21.
- Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Heat-treating of gear teeth. 2,398,085; Apr. 9.
- Denning, Thomas J., Hudson, Colo. Manure loader. 2,393,299; Jan. 22.
- Dennis, Clement O., assignee: *See*—Napier, James W.
- Dennis, Luther D., Comanche, Okla., assignor, by mesne assignments, to Portable Elevator Mfg. Co., Bloomington, Ill. Bottle dispensing apparatus. 2,408,380; Oct. 26.
- Dennis, Samuel L., Raleigh, N. C. Combined playpen and playhouse. 2,402,876; June 25.
- Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method and apparatus for obtaining purified liquid oxygen. 2,406,003; Aug. 20.

- Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures. 2,411,680; Nov. 26.
- Dennison Engineering Company, The, assignee: See—Wright, Fred J.
- Dennison Manufacturing Company, assignee: See—Flood, Carl A.
- Hastings, Dana B.
- Dennistown, Adolph L., Plainfield, N. J., and S. H. Martin, Thomaston, Conn., assignors to General Time Instruments Corporation, New York, N. Y. Lock disk for timing systems. 2,405,818; Aug. 13.
- Den Ouden, Frits J. W., Melbourne, Victoria, Australia. Gunfire synchronizing control. 2,403,641; July 9.
- Dent, Frederick R., Jr., Fairfield, Ohio. Antiflutter and vibration device for fan and propeller blades. 2,397,132; Mar. 26.
- Dent, William U., Pasadena, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,397,559; Apr. 2.
- Dental Research Corporation, assignee: See—Day, Joseph G.
- Erdle, Reiner W.
- Dentists' Supply Company, The, assignee: See—Saffir, Jacob A.
- Saffir's Supply Company of New York, The, assignee: See—Lee, Pyungtoo W.
- Saffir, Jacob A.
- Denton, John J.: See—Lecher, Hans Z., Parker, and Denton.
- Parker, Robert P., and Denton.
- Denton, John S., Jackson, Mich. Form file. 2,396,644; Mar. 19.
- Denton, Joseph A., Portland, Oreg., assignor to The Filzer & Stowell Co., Milwaukee, Wis. Combination anvil and magnetic clamp. 2,393,300; Jan. 22.
- Denton, William I., Woodbury, and C. H. Schlesman, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of styrene. 2,392,466; Jan. 8.
- Denton, William M., Nicholls, Ga. Child's hobby horse. 2,400,396; May 14.
- Dentone, Leo A.: See—Girvin, Murray D., and Dentone.
- Denyss, Orban, Brooklyn, assignor to Distillation Products, Inc., Rochester, N. Y. Molecular centrifugal process and apparatus. 2,392,124; Jan. 1.
- Denyssen, Ivanhoe P., Lansdowne, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for detecting irregularities of filaments, yarns, and the like. 2,413,486; Dec. 31.
- Denyven, Howard G., Cincinnati, A. E. Hess, Silvertown, and E. R. Hess, Deer Park, Ohio, assignors to Ditto, Incorporated, Chicago, Ill. Sheet assembly device. 2,392,031; Jan. 1.
- De Orlov, Stephen, assignor to Hancock Manufacturing Company, Jackson, Mich. Latch mechanism. 2,391,884; Jan. 1.
- De Few, Chester C., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Speed-change mechanism. 2,402,951; July 2.
- Depp, Marlin C., Hempstead, and C. F. Fragola, Brooklyn, N. Y., assignors to Sperry Gyroscopic Company, Inc. Flux valve. 2,403,347; July 2.
- Depp, Wallace A., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,392,367; Jan. 8.
- Derderian, Charles M., Richmond, Va. Clothes hanger. 2,408,201; Sept. 24.
- De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Lighting system for tubular lamps and holder for use therein. 2,401,555; June 4.
- De Reamer, Frank C., Bridgeport, and J. M. Pistey, Fairfield, Conn., assignors to General Electric Company. Tubular lamp and holder therefor. 2,393,616; Jan. 29.
- De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Packing material. 2,401,141; May 28.
- Dermers, Telephone C., Lebanon, N. H. Page turning device for invalids. 2,411,084; Nov. 12.
- De Rome, Raphael A., Twin Lakes, Wis. Dentist's bite detector. 2,411,194; Nov. 19.
- De Rosa, Louis A.: See—Deloraine, Edmond M., Buisignies, and de Rosa.
- De Rosa, Louis A., West Brighton, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Intelligence transmission system. 2,406,813; Sept. 3.
- De Rosa, Louis A., West Brighton, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Intelligence transmission system. 2,408,049; Sept. 24.
- De Rosa, Louis A., West Brighton, Staten Island, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Visually reproducing signals. 2,408,050; Sept. 24.
- De Rosa, Louis A., assignor to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,411,714; Nov. 26.
- De Rose, John P., Albany, Calif. Seat support. 2,407,771; Sept. 17.
- Derr, Willard A.: See—Reagan, Maurice E., and Derr.
- Sateren, Martin G., and Derr.
- Derr, Willard A., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,393,025; Jan. 15.
- Derr, Willard A., Wilkensburg, and R. C. Cheek, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,394,044; Feb. 5.
- Derr, Willard A., Wilkensburg, and R. C. Cheek, East Liberty, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,394,045; Feb. 5.
- Derr, Willard A., and M. E. Reagan, Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,409,840; Oct. 22.
- D'Errico, John, Brooklyn, N. Y. Amusement ride. 2,399,332; Apr. 30.
- Dersch, Fritz, Binghamton, and N. Heimbach, Johnson City, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic developing process. 2,404,774; July 30.
- Derungs, Ernest A., Le Locle, Switzerland. Coupling device. 2,400,633; May 21.
- Derungs, Ernest A., Le Locle, Switzerland. Electromagnet. 2,407,603; Sept. 10.
- Derungs, Ernest A., and G. Châtelain, Le Locle, Switzerland. Escapement adjusting device. 2,408,612; Oct. 1.
- De Ryder, Herbert, Bloomfield, N. J., assignor to Radio Corporation of America. Cathode-ray tube system. 2,411,030; Nov. 12.
- De Salardi, Albert B.: See—Nelson, Claude A., Good, and De Salardi.
- De Sanno, Albert P., Jr., assignee: See—Hite, Charles E.
- Desch, Joseph R., assignor to The National Cash Register Company, Dayton, Ohio. Electronic device and control means therefor. 2,403,852; July 9.
- Desch, Joseph R., Oakwood, and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Electronic device. 2,399,473; Apr. 30.
- Desch, Joseph R., and L. D. Kilheffer, assignors to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,401,621; June 4.
- Desch, Joseph R., Oakwood, and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Calculating device. 2,404,697; July 23.
- Deserno, Peter, Berlin, Germany; vested in the Alien Property Custodian. Television receiver. 2,407,654; Sept. 17.
- De Shazo, Nora L., assignee: See—De Shazo, Orville V.
- De Shazo, Orville V., assignor of fifty percent to N. L. De Shazo, Wichita, Kans. Machine for extracting lead from its ores. 2,392,526; Jan. 8.
- De Shields, O'Connell H., Philadelphia, Pa. Flexible joint. 2,391,885; Jan. 1.
- Designers for Industry, Inc., assignee: See—Lee, Assa R.
- Desimone, Anthony J.: See—Baldanza, Nicholas T., and Desimone.
- Desimone, Anthony J., Lyndhurst, and J. Mazza, Rutherford, assignors to Columbia Protektosite Company, Inc., Carlstadt, N. J. Goggle. 2,399,991; May 7.
- Desmet, John P., Modesto, Calif. Blood treating device. 2,406,207; Aug. 20.
- Desmond, Virginia D., Wrentham, Mass., assignor to Pilgrim Plastics, Inc. Toy. 2,399,333; Apr. 30.
- De Spain, Augustus L., assignor to White River Lumber Company, Enumclaw, Wash. Bundle trimmer mechanism. 2,393,617; Jan. 29.
- Des Roches, Hilton H., Butte, Mont., assignor of one-half to C. Frasset, San Francisco, Calif. Toilet protective device. 2,404,124; July 16.
- Desrosiers, Lionel, Lachute Mills, Quebec, Canada, assignor to Davis & Furber Machine Company, North Andover, Mass. Tape condenser. 2,399,007; Apr. 23.
- Dessaur, Murray, assignee, et al.: See—Dessaur, Murray.
- Dessaur, Murray, Bronx, N. Y., assignor to M. Dessaur and R. D. Gale. Pad holding and feeding device. 2,400,044; Sept. 10.
- De Stefano, B. Antonio, El Paso, Tex. Shoe cleat. 2,413,177; Dec. 24.
- De Tar, Donald R., Stratford, Conn., assignor to General Electric Company. Ultra high frequency switch. 2,412,298; Dec. 31.
- De Traglia, Frank A., Utica, N. Y. Water system for paper wrapping machines. 2,392,583; Jan. 8.
- Detrick, Judson N., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Dielectric material. 2,394,870; Feb. 12.
- Detrick, M. H., Company, assignee: See—Crneich, Tony.
- Hoshein, Louis H.
- Detrick, Stanley R.: See—Lang, Joseph W., and Detrick.
- Detrick, Stanley R., Wilmington, Del., and L. A. Hamilton, Pittman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of sulphur chlorides. 2,392,841; Jan. 15.

- Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo tetrahydroquinoline compounds. 2,391,886; Jan. 1.
- Dickey, Joseph B., J. M. Straley, and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of organic diisocyanates. 2,394,597; Feb. 12.
- Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds. 2,397,027; Apr. 9.
- Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Indigoid coloring compounds. 2,397,928; Apr. 9.
- Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Cyclic diazo compounds. 2,402,611; June 25.
- Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo compounds. 2,406,004; Aug. 20.
- Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Anthraquinone dyestuffs. 2,411,148; Nov. 19.
- Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. N-phosphato-arylenediamines. 2,411,575; Nov. 26.
- Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of aliphatic amines. 2,412,209; Dec. 10.
- Dickieson, Alton C., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in signaling systems. 2,407,259; Sept. 10.
- Dickieson, Alton C., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Printer system. 2,407,260; Sept. 10.
- Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Accounting apparatus. 2,402,988; July 2.
- Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Accumulating apparatus. 2,402,989; July 2.
- Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Electrical system. 2,408,612; Oct. 1.
- Dickinson, Edgar D., Beverly, Mass., assignor to General Electric Company. Liquid separator for elastic fluid turbines. 2,392,126; Jan. 1.
- Dickinson, John T., Basking Ridge, and A. R. Moorman, Alpine, N. J., assignors to Standard Oil Company, Chicago, Ill. Combustion disk filter. 2,406,065; Aug. 20.
- Dickinson, Norman L., Basking Ridge, N. J., assignor to Standard Oil Company, Chicago, Ill. Desalting of hydrocarbon oils. 2,406,748; Sept. 3.
- Dickinson, Paul, Company, assignee: *See*—Knutson, Harold.
- Dickinson, Robert C., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,394,046; Feb. 5.
- Dickinson, Robert C., Wilkensburg, W. H. Stolllein, East McKeesport, and F. E. Florschutz, Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,404,950; July 30.
- Dickman, Robert H., Evansville, Ind. Apparatus for vacuum testing sealed articles. 2,408,202; Sept. 24.
- Diekow, Frederick P., Chicago, Ill., assignor to International Harvester Company. Feeder for balers. 2,409,478; Oct. 15.
- Dickson, Wilbur R., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Material handling mechanism. 2,409,346; Oct. 15.
- Dielaphone Corporation, assignee: *See*—Lucarelle, Joseph M., and Fedeli, Yerkovich, Simon.
- Dietergraph Products Company, Inc., assignee: *See*—Koch, Henry; Strommen, Einar A.; Young, Don H.; Zarth, William A.
- Diebold, Barney A., Irvington, N. J. Guard or protector for electric cables. 2,408,253; Sept. 24.
- Dieckbrnder, Frederick A., Toronto, Ontario, Canada, assignor to The Hinds & Dutch Paper Company, Sandusky, Ohio. Papermaking apparatus. 2,411,416; Nov. 19.
- Diedrich, Paul, *See*—Dohrn, Max, and Diedrich.
- Diedring, John H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Safety switch. 2,409,022; Oct. 8.
- Diehl, G. M., Machine Works, The, assignee: *See*—Frame, Clifton C.
- Diehl, John E., assignor to Stackpole Carbon Company, St. Marys, Pa. Generator regulator. 2,392,127; Jan. 1.
- Dieplast Corporation, assignee: *See*—Casalino, Joseph.
- Dieringer, Henry W., assignee: *See*—Vandersee, Arne E.
- Dierking, Theodore, New York, N. Y. Curtain traverse wheel. 2,405,020; July 30.
- Dies, Charles A., Chicago, Ill. Pipe coupling. 2,396,163; Mar. 5.
- Dies, Charles A., Chicago, Ill. Making return bend pipe couplings. 2,409,023; Oct. 8.
- Dieter, Harry W., assignee: *See*—Steinmuller, Ralph E.
- Dieter, Harry W., Detroit, Mich. Apparatus for analysis of gas. 2,397,845; Apr. 2.
- Dieter, Harry W., Detroit, Mich. Apparatus for analysis of gas. 2,397,846; Apr. 2.
- Dieter, Harry W., Detroit, Mich. Test sample assembly. 2,402,738; June 25.
- Dieter, Harry W., Detroit, Mich. Dilatometer structure. 2,409,669; Oct. 22.
- Dietiker, John D.; *See*—Herman, Kenneth R., Robinson, and Dietiker.
- Dietrich, Karl L., Jr.; *See*—Hess, P. O., Miller, and Dietrich.
- Dietrich, Melvin A., Claymont, and R. M. Joyce, Jr., Marshalltown, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetrafluoroethylene. 2,407,405; Sept. 10.
- Dietrich, Melvin A., Claymont, Del., and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying petroleum products. 2,411,958; Dec. 3.
- Dietrich, Melvin A., Claymont, Del., and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying petroleum products. 2,411,959; Dec. 3.
- Diaz, Albert E., Washington, D. C. Fountain pen. 2,394,235; Feb. 5.
- Dietz, Herbert J., assignor to Eastman Kodak Company, Rochester, N. Y. Luminescent materials. 2,409,174; Oct. 8.
- Dietz, Robert R., Dumont, and H. Reitsma, Hackensack, N. J. Bowling ball. 2,393,026; Jan. 15.
- Dietzgen, Eugene Co., assignee: *See*—Halstead, L. R.; Kreiling, August H.
- Diesel, Willy, assignor to The Max Ams Machine Company, Bridgeport, Conn. Seaming machine. 2,392,728; Jan. 8.
- Difenderfer, John H., Verona, N. J., assignor to Radio Corporation of America. Phototube and manufacture. 2,401,738; June 11.
- Di Frasso, Dorothy, assignee: *See*—Bonotto, Michele.
- Diggs, Maury I., assignor to Higgins Industries, Inc., New Orleans, La. Wall panel. 2,412,253; Dec. 10.
- Di Giuseppe, Renato, Rome, Italy; vested in the Alien Property Custodian. Time delay relay circuit. 2,391,294; Feb. 5.
- Di Ianni, Emanuel, Norristown, Pa. Garment fastening device. 2,407,919; Sept. 17.
- Dilbert, Peter, P., Reading, Ohio. Hook coupling. 2,392,368; Jan. 8.
- Dildilian, Art T.; *See*—Dow, James N., and Dildilian.
- Dillman, Arno T., Sulist, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Thermoplastic tape. 2,395,257; Feb. 19.
- Dilks, Milford E., assignee, et al.: *See*—Mulford, William.
- Dill Manufacturing Company, The, assignee: *See*—Cooley, John C.
- Dillenberg, Garrett V., Jr., Slingerlands, and A. G. Cooley, Hudson View Gardens, assignors by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y. Secrecy telefacsimile system. 2,403,059; July 2.
- Diller, Isaac M., Upper Montclair, N. J. Welding and apparatus therefor. 2,402,331; June 18.
- Dille, June D., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Check retainer. 2,404,043; July 16.
- Diller, William, Cleveland, Ohio. Industrial safety shield. 2,401,056; May 28.
- Dilling, Marion R., Seattle, Wash., assignor to International Business Machines Corporation, New York, N. Y. Alphabet printing mechanism. 2,399,724; May 7.
- Dillinger, Joy F.; *See*—Cross, Robert P., Jr., Dillinger, and Oeden.
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Air cooling apparatus. 2,396,559; Mar. 12.
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,398,084; Apr. 9.
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Automatic valve. 2,409,112; Oct. 8.
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Expansion valve. 2,410,795; Nov. 5.
- Dillman, Earnest J., and F. Y. Carter, assignors to Detroit Lubricator Company, Detroit, Mich. Refrigeration expansion valve. 2,408,919; Oct. 8.
- Dillon, Edwin L., and R. E., Chicago, Ill., assignors to W. C. Dillon & Company. Shock absorbing means for tension testing machines. 2,411,779; Nov. 26.
- Dillon, Frederick P., U. S. Navy. Aircraft seat supporting structure. 2,401,748; June 11.
- Dillon, Robert E.; *See*—Dillon, Edwin L., and R. E.
- Dillon, Thomas E.; *See*—Etzel, Gastao, and Dillon.
- Dillon, Thomas E., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrolysis of aliphatic sulphonyl chlorides. 2,408,300; Sept. 24.

- Dillon, W. C., & Company, assignee: *See—*
Dillon, Edwin I. and R. E.
- Dillon, Walter, U. S. Navy. Forming castings. 2,410,813; Nov. 12.
- Dilworth, Richard M., Hinsdale, T. O. Lillquist, Clarendon Hills, and D. H. Queeney, Naperville, Ill., assignors to General Motors Corporation, Detroit, Mich. Locomotive control system. 2,409,740; Oct. 22.
- Dimick, Henry N., assignor to Willamette Hyster Company, Portland, Oreg. Load hoist and grappeling control. 2,410,965; Nov. 12.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Light divider. 2,392,978; Jan. 15.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Reduction in reflection from glass. 2,397,929; Apr. 9.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Optical neutral prism. 2,399,860; May 7.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Surface coating apparatus. 2,408,814; Oct. 1.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Lens coating apparatus. 2,410,720; Nov. 5.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Apparatus for the production of reflection reducing coatings. 2,411,715; Nov. 26.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Color selective reflector. 2,412,496; Dec. 10.
- Dimple Tie Corporation, assignee: *See—*
Kleinmann, Max.
- Dina, Salvatore B., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Releasable fastening device. 2,401,817; June 11.
- Dinetz, Adolph M., Detroit, Mich. Washing machine. 2,403,348; July 2.
- Dinga, Emil W., Long Island City, assignor, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Method and apparatus for controlling moving vehicles. 2,397,475; Apr. 2.
- Dingley, Edward N., Jr., Arlington, Va. Phase indicating circuit. 2,396,253; Mar. 12.
- Dingman, Robert E., Indiana, Pa. Flexible pocket receptacle. 2,406,676; Aug. 27.
- Dings Magnetic Separator Co., assignee: *See—*
Crockett, Robert E.
- Dinnick, George M.: *See—*
Mouroumset, Ila E., and Dinnick.
- Dinnick, George M., Bloomfield, N. J., and J. P. Quitter, Cincinnati, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Composite anode structure. 2,398,582; Apr. 16.
- Dinnick, George M., and L. C. Werner, Bloomfield, N. J., assignors to Westinghouse Electric and manufacture. 2,402,029; June 11.
- Di-Noc Company, The, assignee: *See—*
Reese, Thomas S.
- Di-Noc Manufacturing Company, The, assignee: *See—*
Heinecke William and F.
- Dinsmore, Theodore R., assignor to Curtis Pump Company, Dayton, Ohio. Recirculating stabilizer pump. 2,392,123; Jan. 1.
- Dinsmore, Theodore R., and J. A. Thompson, assignors to Curtis Pump Company, Dayton, Ohio. Automatic pressure control for booster pumps. 2,395,657; Feb. 26.
- Dinwiddie, Joseph G., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized acetaldelide and method. 2,413,038; Dec. 24.
- Dion, Henry F., assignor of one-half to C. F. Morton, Augusta, Maine. Sectional window screen. 2,396,560; Mar. 12.
- Di Pietro, Carmelo V., Birmingham, Mich. Cooling apparatus. 2,396,460; Mar. 12.
- Di Pietro, Carmelo V., Birmingham, Mich. Mixing faucet. 2,401,914; June 11.
- Di Pietro, Carmelo V., Birmingham, Mich. Dispensing apparatus. 2,401,915; June 11.
- Di Pietro, Carmelo V., Birmingham, Mich. Carbonator. 2,401,916; June 11.
- Dirksen, Arnold D.: *See—*
Golob, John E., and Dirksen.
- Dirkes, Robert F., Jamaica, N. Y., T. E. Mellick, Neshanic, and V. R. Kimball, Union City, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph printer. 2,392,369; Jan. 8.
- Di Santis, Thomas G., Newark, N. J. Scaffold. 2,407,655; Sept. 17.
- Disbro, Ira R., Lakewood, and J. S. Coulton, assignors to The W. S. Tyler Company, Cleveland, Ohio. Purifying air in elevator cars. 2,398,627; Apr. 16.
- Disse, Foster C., Akron, Ohio. Acrobatic toy. 2,403,509; July 9.
- Dishmaker, Orville A., Oshkosh, assignor of one-half to L. J. Kaufman, Manitowoc, Wis. Kicking animal toy. 2,400,980; May 28.
- Dishmaker, Orville A., Oshkosh, assignor of one-half to L. J. Kaufman, Manitowoc, Wis. Ball push toy. 2,400,981; May 28.
- Disney, Charles P., Toronto, Ontario, Canada. Constructing piers. 2,405,295; Aug. 6.
- Disney, Morton F., Baltimore, Md. Time recording apparatus. 2,395,658; Feb. 26.
- Dispersions Process, Inc., assignee: *See—*
Burns, Edward R.
- Display Cartons Company, assignee: *See—*
Koolnis, Stanley R.
- Distillation Products, Inc., assignee: *See—*
Denny, Orban Embree, Norris D., and Shantz.
Hickman, Kenneth C. D.
Hickman, Kenneth C. D., and Perry.
Johnson, Merriam E.
Sherry, Edgar M.
- Distillers Company Limited, The, assignee: *See—*
Coppock, Philip D., and Hadley.
Galitzstein, Eugen G., and Woolf.
Stanley, Herbert M.
Staudinger, Hanns F., and Hutchinson.
Staudinger, Hanns F., and Tuerck.
Tuerck, Karl H. W.
Tuerck, Karl H. W., and Brittain.
Tuerck, Karl H. W., and Lichtenstein.
Di Stasio, Camille C., Waterbury, Conn. Pin-up vanity case holder. 2,401,556; June 4.
- District of Columbia Paper Mills, Inc., assignee: *See—*
Harrigan, Herman R.
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Sliding car door. 2,410,484; Nov. 5.
- Di Toro, Michael J., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Telemetering system. 2,403,889; July 9.
- Di Toro, Michael J., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time delay network. 2,413,607; Dec. 31.
- Di Toro, Michael J., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time delay network. 2,413,608; Dec. 31.
- Dittmar, Harry R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sizing composition and yarn sized therewith. 2,406,749; Sept. 3.
- Dittmer, Joseph C., St. Albans, assignor to National Lead Company, New York, N. Y. Refining lead and lead alloys. 2,402,316; June 18.
- Diitto, Incorporated, assignee: *See—*
Bour, Robert C.
Collins, Howard E.
Denyven, Howard G., and A. E. and E. R. Hess.
Hess, Arthur L.
Little, Alfred E.
Peterson, Eric W.
Roberts, John R.
Watkins, Lawrence A.
- Dittrich, Francis J., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Double deck vehicle. 2,408,136; Aug. 6.
- Diversey Corporation, The, assignee: *See—*
Button, Bland B., Jr., and Janota.
Janota, Joseph, Jr., and Button.
- Divyl, Clarence A., Dilliner, Pa. Ladder leveling device. 2,392,527; Jan. 8.
- Divine Brothers Company, Incorporated, assignee: *See—*
Klossner, Stanley H.
- Diving Equipment and Supply Company, Inc., assignee: *See—*
Browne, Jack.
- Dixie Foundry Company, Inc., assignee: *See—*
Rymer, S. B.
- Dixon, Cletus L., assignor, by mesne assignments, to The Protocetoseal Company, Chicago, Ill. Thermo-setting molding powder from wheat, wood pitch, and resin, and making. 2,407,225; Sept. 13.
- Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Pyrazine. 2,400,398; May 14.
- Dixon, James K., Riverside, and J. M. Sayward, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. 2-Brompyrazine and preparing same. 2,403,710; July 9.
- Dixon, Joseph, Crucible Company, assignee: *See—*
Hasselquist, Hugo S.
Nichols, Charles R., Jr.
Nichols, Charles R. and Simpson.
Shonnard, Orlando D.
- Djerassi, Carl, Madison, Wis., C. P. Hutterer, and C. R. Scholz, assignors to Ciba Pharmaceutical Products Incorporated, Summit, N. J. Tertiary amines of heterocyclic compounds. 2,406,594; Aug. 27.
- Djides, Alexander, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Blasting cap crimper. 2,409,549; Oct. 15.
- Doan, Richard L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for gas analysis of drilling. 2,393,092; Jan. 15.
- Doan, Richard L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Well logging apparatus. 2,404,622; July 23.
- Doane, Foster E., Jr., Mettete, assignor to Magnaflex Corporation, Chicago, Ill. Method of and apparatus for magnetic testing. 2,401,467; June 4.

- Doane, Newton W., San Francisco, Calif. Renewable heel. 2,396,834; Mar. 19
- Doba, Stephen, Jr., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground speed meter. 2,406,358; Aug. 27
- Dobbins, Horace M., Pasadena, Calif. Propulsion and stabilization of watercraft and the like. 2,408,412; Oct. 1
- Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyor. 2,410,481; Nov. 5
- Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyor. 2,410,482; Nov. 5
- Dobkowski, Matthew, Detroit, Mich. Electrode for spot welding. 2,409,550; Oct. 15
- Doble, Abner, assignor to Stanley Steam Motors Corporation, Chicago, Ill. Steam power plant. 2,393,313; Jan. 22
- Dobler, Joseph C., Manhattan Beach, Calif. Loading and unloading apparatus. 2,395,173; Feb. 19
- Dobrin, Harry, New York, N. Y. Magician's device. 2,400,982; May 28
- Dobrin, Harry, assignor to Furnace Engineers, Inc., Pittsburgh, Pa. Gas burner. 2,403,431; July 9
- Dobscha, Herman F., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Settling basin for blast furnace cinder runners. 2,409,741; Oct. 22
- Dockerty, Stuart M., Pawtucket, R. I., assignor to Owens-Corning Fiberglass Corporation. Crimped fibrous glass. 2,395,371; Feb. 19
- Dockry, John A., Painesville, Ohio. Bud shield. 2,413,487; Dec. 31
- Dockum, Raymond N.: See—Barattelli, Charles A., Cochran, Dockum, and Guernsey
- Dodd, Bertha A., Washington, D. C. Hair treating machine. 2,403,350; July 2
- Dodd, Edward C.: See—Waller, Cecil, Collins, and Dodd
- Dodd, Joseph C., Orlando, Fla. Paint bucket ladder bracket. 2,412,567; Dec. 17
- Dodds, Earl B.: See—Beckman, Charles E., and Dodds
- Dodds, John M., Timperley, and H. Whalley, Darwen, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Radio receiver. 2,400,313; May 21
- Dodds, John M., Timperley, and C. W. Miller, Sale, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Cathode ray tube. 2,400,814; May 21
- Dodds, Joseph W.: See—Johnson, Paul S., and Dodds
- Dodge, Carl, Maywood, Ill. Drape hanger and curtain rod supporting device. 2,397,930; Apr. 9
- Dodelin, Emil A., Moorestown, N. J. Abrading device. 2,411,615; Nov. 26
- Dodge, Adiel Y.: See—Swenson, Carl E., and Dodge
- Dodge, Adiel Y., Rockford, Ill. Overspeed release clutch. 2,398,087; Apr. 9
- Dodge, Adiel Y., Rockford, Ill. Speed responsive clutch. 2,398,885; Apr. 23
- Dodge, Adiel Y., Rockford, Ill. Bearing construction. 2,401,557; June 4
- Dodge, Adiel Y., Rockford, Ill. Transmission. 2,402,382; June 18
- Dodge, Adiel Y., Rockford, Ill. One-way clutch. 2,404,221; July 16
- Dodge, Adiel Y., Rockford, Ill. Torque transmitting mechanism. 2,404,623; July 23
- Dodge, Adiel Y., Rockford, Ill. Clutch and bearing construction. 2,407,772; Sept. 17
- Dodge, Adiel Y., Rockford, Ill. One-way clutch and bearing. 2,412,803; Dec. 17
- Dodge, Frederick G., La Vale, Md., assignor to Celanese Corporation of America. Resilient filaments. 2,408,381; Oct. 1
- Dodge, Gordon F., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Self-aligning belt idler. 2,399,913; May 7
- Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Sealing ring. 2,395,107; Feb. 19
- Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Fluid seal. 2,397,847; Apr. 2
- Dodge Manufacturing Corporation, assignee: See—Firth, Marion L.
- Doherty, William B., Aldan, Pa., assignor to Hajoca Corporation. Self-cleaning straining device. 2,408,741; Oct. 8
- Dodington, Sven H., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Electron discharge device. 2,402,612; June 25
- Dodington, Sven H. M., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio assembly. 2,411,528; Nov. 26
- Dodson, Edward, Putney Heath, London, S. W. 15, England. Control means for operating at a distance the flying controls of aircraft. 2,395,728; Feb. 26
- Dodson, Edward, Puriton, near Bridgewater, England. Hydraulic servomotor. 2,390,474; Apr. 30
- Dodson, Howard W., assignor to United Steel Barrel Company, Philadelphia, Pa. Closure for sheet-metal container openings. 2,411,149; Nov. 19
- Dodson, Wayne E., Caldwell, N. J., assignor to General Electric Company. Refrigerating system. 2,400,335; May 14
- Doehler Die Casting Company, assignee: See—Harrison, George
- Doell, Howard J., Garneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making coiled structures. 2,392,842; Jan. 15
- Doelling, George L., St. Louis, Mo. Antibumping device. 2,407,226; Sept. 10
- Doering, Charles and H. H., B. J. Skoglund, and E. W. Anderson, Chicago, Ill.: said Skoglund and said Anderson assignors to C. and H. H. Doering. Package filling machine. 2,399,914; May 7
- Doering, Charles and H. H., E. W. Anderson, and B. J. Skoglund, Chicago, Ill.: said Skoglund and said Anderson assignors to said C. and H. H. Doering. Apparatus for feeding, cutting, and molding individual edible spreads. 2,411,616; Nov. 26
- Doering, Henry H.: See—Doering, Charles and H. H., Anderson, and Skoglund
- Doering, Charles and H. H., Skoglund, and Anderson. Doering, Justus H., Detroit, and R. H. McCarroll, assignors to Ford Motor Company, Dearborn, Mich. Tire. 2,405,943; Aug. 20
- Doering, William von E.: See—Woodward, Robert B., and Doering
- Doerman, Henry D., Roseville, Calif. Trap operating device for refrigerator cars. 2,395,320; Feb. 19
- Doerner, Max, New York, N. Y. Water heating unit. 2,403,173; July 2
- Doherty, Daniel, Los Angeles, Calif. Double belt sander. 2,412,985; Nov. 12
- Doherty, William H., Elmhurst, N. Y. Sole and heel former. 2,406,005; Aug. 20
- Doherty, William H., Elmhurst, N. Y. Vacuum last and sole forming machine. 2,406,359; Aug. 27
- Doherty, William H., Elmhurst, N. Y. Supporting frame for articles of footwear. 2,408,413; Oct. 1
- Dohrn, Max, Berlin-Charlottenburg, and P. Diedrich, Finkenkrug, Osthavelland, Germany, assignors to Schering Corporation, Bloomfield, N. J. Valuable derivatives of sulphonamides and making same. 2,411,495; Nov. 19
- Dohrwardt, Dorothy M.: See—Dohrwardt, John F. and D. M.
- Dohrwardt, John F. and D. M., Detroit, Mich. Attachment for straight edges. 2,411,529; Nov. 26
- Doig, John, assignee, et al.: See—Banks, Joseph L.
- Dokken, Noel O., Benson, Minn. Stacker. 2,401,142; May 28
- Dolan, Charles H., II, Old Greenwich, Conn. Potato peeler. 2,407,819; Sept. 17
- Dolan, Charles H., II, Kansas City, Mo. Toilet kit. 2,411,196; Nov. 19
- Dolan, Harry: See—Rosenstein, Aaron, and Dolan
- Dolan, James P., Springfield, Mass. Switch apparatus. 2,412,604; Dec. 17
- Dolberg, Charles E., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Combination coil and condenser. 2,403,189; July 2
- Dolce, Louis C., Sandy Hook, Conn. Scrub water pickup. 2,396,645; Mar. 19
- Dole, Howard N.: See—Wilson, William S., and Dole
- Dole Refrigerating Company, assignee: See—Kleist, Herman W.
- Doll, Frank A., assignor to Link Engineering Co., Detroit, Mich. Press operating device. 2,403,912; July 16
- Doll, Henri-Georges, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Determining the oil content of subterranean formations. 2,395,617; Feb. 26
- Dolman, Clarence D., Wenatchee, Wash., assignor to Hercules Glue Company, Ltd. Spray compositions. 2,412,720; Dec. 17
- Dome, Robert B.: See—Berkoft, Seymour, and Dome
- Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Radio circuit. 2,397,540; Apr. 2
- Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Voltage regulator for electron discharge devices. 2,404,624; July 23
- Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Phase shifting circuit. 2,410,721; Nov. 5
- Domine, Leo, Detroit, Mich. Bumper. 2,411,852; Dec. 3
- Domination Electrical Manufacturing, Inc., assignee: See—Domine, Leo, and Domine
- Domination Engineering Works, Limited, assignee: See—Malkin, Bernard A.
- Muir, William P.

Dominion Merchants Company, assignee: *See—*

Barnard, Oral E.

Domville, Charles H., Jr., Glen Ellyn, and E. E. Gray, assignors to Caspers Tin Plate Company, Chicago, Ill. Stripping and stacking apparatus and method. 2,392,032; Jan. 1.

Donache, Matthew J., Holyoke, Mass., assignor, by mesne assignments, to Berk County Trust Company, Reading, Pa. Working and treating Be-Cu alloys. 2,412,447; Dec. 10.

Donahay Clay Products Co., assignee: *See—*

Donahay, Robert F.

Donahay, Robert F., Shaker Heights, assignor to The Donahay Clay Products Co., Cleveland, Ohio. Apparatus for forming clay pipe and the like. 2,401,232; May 28.

Donahoe, Joseph R., Narrows, Va., assignor to Celanese Corporation of America. Wrench. 2,395,805; Mar. 5.

Donahue, John E., and L. W. Schnader, Elizabeth, N. J., assignors to Standard Oil Development Company. Supporting device for return headers. 2,412,568; Dec. 17.

Donahue, William T.: *See—*

Burnett, Clinton B., Donahue, and Randolph.

Donal, John S., Jr.: *See—*

Laughaier, David B., and Donal.

Donald, Forrest V., assignor to Simplicity Manufacturing Company, Port Washington, Wis. Sickle bar mower attachment for garden tractors. 2,397,310; Mar. 26.

Donaldson, Charles A., Del Rio, Tex. Absolute altimeter. 2,408,414; Oct. 1.

Donaldson, Charles A., Del Rio, Tex. Distance gauging and like apparatus. 2,408,415; Oct. 1.

Donaldson, David D., Dearborn, Mich. Stereoscopic camera mount. 2,400,455; May 14.

Donaldson, Frank A., and J. C. Enblom, St. Paul, Minn. Two-way air cleaner for air compressors. 2,391,887; Jan. 1.

Donaldson, Jefferson R., assignor of twenty-five per cent to A. H. Caperton, Dallas, and fifty per cent to J. W. Barnes, Paris, Tex. Bottle vending machine. 2,399,105; Apr. 23.

Donaldson, Robert R., Forest Hills, assignor to J. M. Hopwood, Mount Lebanon, Pa. System for the remote control of internal-combustion engines and clutches employed in ship propulsion. 2,404,951; July 30.

Donclian, Khatehik O., New York, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Fire and smoke detector and the like. 2,408,031; Sept. 24.

Donelson, William W., assignor to The Federal Flooring Corporation, Boston, Mass. Sparkproof flooring and the like. 2,413,919; Dec. 31.

Doner, Ralph D., Auburn, Ala. Diffraction grating tool. 2,404,222; July 16.

Donisthorpe, Henry W., Leicestershire, assignor to F. N. F. Limited, Gloucester, England. Method and means for making knitting needles. 2,396,412; Mar. 12.

Donkersley, Albert E., and Louis A. Weisbaum, Canada, assignors to Grinnell Corporation, Providence, R. I. Spring hanger. 2,397,064; Mar. 26.

Donkin, William F., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,409,841; Oct. 22.

Donle, Harold P., deceased, New York, N. Y.; M. D. Jensen, administratrix, assignor of one-half to D. J. McCarthy, Ray projector. 2,407,065; Sept. 3.

Donleavy, John J., Montclair, N. J., assignor to Allied Laboratories, Inc., Kansas City, Mo. Alkyl mercapto substituted amino benzoic acid alkaline amides, salts, intermediates and preparing same. 2,410,161; Nov. 5.

Donley, Bartrum G., and G. D. Simonds, assignors to The Four Wheel Drive Auto Co., Clintonville, Wis. Drive for multiple axle vehicles. 2,395,108; Feb. 19.

Donnell, Lloyd H., Chicago, Ill., and E. L. Shaw, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Airship. 2,406,494; Mar. 12.

Donnellan, Maurice L., Ypsilanti, Mich. Aircraft propulsion. 2,409,551; Oct. 15.

Donnellan, Maurice L., Ypsilanti, Mich. Aircraft propulsion device. 2,409,552; Oct. 15.

Donnelly, James H., assignee, et al.: *See—*

Trent, Floyd E.

Donnelly, Thomas S., Jr., assignor to Bordon Mfg. Co., Inc., Detroit, Mich. Electrode holder. 2,404,125; July 16.

Donnelly, Thomas S., Jr., assignor to Bordon Mfg. Co., Inc., Detroit, Mich. Electrode holder. 2,404,437; July 23.

Donovan, Allen F.: *See—*

Jenkins, Edward S., and Donovan.

Dons, Eddie M., and O. G. Mauro, assignors to Mid-Continental Petroleum Corporation, Tulsa, Okla. Dewaxing rolls. 2,410,483; Nov. 5.

Donson, Andy, Toronto, Ontario, Canada. Sweatband for bats. 2,398,363; Apr. 16.

Dooding, Harris F., Culver City, Calif. Thread cutter. 2,413,406; Dec. 31.

Douse, Gabriel H., V., New Orleans, La. Reversible nozzle for shipping containers. 2,413,438; Dec. 31.

Doutson, Norman L., San Francisco, Calif. Dial calendar. 2,409,317; Oct. 15.

Doppelt, Charles, Chicago, Ill. Means for securing identification tags. 2,397,651; Apr. 2.

Doran Brothers, Incorporated, assignee: *See—*

Schulze, Paul.

Doran, John H., Scotia, N. Y., assignor to General Electric Company. Hydraulic gear of the positive displacement type. 2,399,008; Apr. 23.

Doran, John H., Scotia, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,399,009; Apr. 23.

Dorcey, Frances, Milwaukee, Wis. Apron. 2,410,639; Nov. 5.

Dorfman, Hiller D., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,406,325; Aug. 27.

Dorgelys, Henri J., Hempstead, N. Y. Crown fastener. 2,401,057; May 28.

Dorkin, John D., Toronto, Ontario, Canada. Hair comb. 2,401,143; May 28.

Dorland, Norman E., Philadelphia, Pa. Raising sunken ships. 2,399,475; Apr. 30.

Dornmeyer, A. F., Mfg. Company, assignee: *See—*

Kennedy, Verne C.

Dornak, Henry J., Houston, Tex. Aircraft landing signal device. 2,412,035; Dec. 3.

Dornblatt, Albert H.: *See—*

McMannus, Charles E., Elder, Cooke, and Dornblatt. Dornbrook, Frederick L., assignor to Wisconsin Electric Power Company, Milwaukee, Wis. Steam turbine control mechanism. 2,409,024; Oct. 8.

Doroshin, Gale, and G. Arnold, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Transfer and assembly mechanism. 2,398,293; Apr. 9.

Dorough, George L.: *See—*

Arnold, Harold W., Brubaker, and Dorough.

Dorough, George L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic polymerization of monolefinic organic compounds. 2,398,926; Apr. 23.

Dorr Company, The, assignee: *See—*

Counselman, Theodore B.

Darby, George M.

Dorrington, Neil E.: *See—*

Hartman, Carl H., Marsh, and Dorrington.

Dorris, Robert C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,402,030; June 11.

Dorsman, Cornelis, Eindhoven, Netherlands; vested in the Allen Property Custodian. Device for measuring low direct voltages. 2,406,492; Aug. 27.

Dorst, James A., U. S. Army, Geiger Field, Wash. Trestle bridge. 2,406,814; Sept. 3.

Dorst, Stanley A.: *See—*

Robinson, Preston, and Dorst.

Dosker, Cornelius D., assignor to Gamble Brothers, Louisville, Ky. Paddle. 2,399,106; Apr. 23.

Dostal, Frank A., New Urm, Minn. Building block lifter. 2,409,932; Oct. 22.

Dost, Stanley A., Jackson, Minn. Detasseling machine. 2,397,249; Mar. 26.

Doster, Howard G., R. H. Hanlon, and F. H. Farnsworth, assignors to The Ohio Injector Company, Wadsworth, Ohio. Injector. 2,399,794; May 7.

Doty, David A.: *See—*

Dwyer, John H., and Doty.

Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Record punching machine. 2,399,725; May 7.

Double, Walter E.: *See—*

Armington, Stewart P., and Double.

Double Duty Products, Inc., assignee: *See—*

Houghton, Ellis M.

Douden, William L.: *See—*

Sachtleben, Lawrence T., and Douden.

Douden, William L., Philadelphia, Pa., assignor to Radio Corporation of America. Luminous reticle. 2,392,970; Jan. 15.

Dougherty, James W., McKeesport, Pa., assignor to The American Steel and Wire Company of New Jersey. Coil supporting arbor. 2,409,742; Oct. 22.

Dougherty, Patrick P.: *See—*

Winn, William E., and Dougherty.

Dougherty, Robert S. A., and J. E. Eberhardt, Bethlehem, Pa., assignors to Bethlehem Steel Company. Open hearth furnace operation. 2,396,461; Mar. 12.

Doughly, Howard W., Jr., assignor to Foster Machine Company, Westfield, Mass. Winding machine. 2,402,739; June 25.

Douglas Aircraft Company, Inc., assignee: *See—*

Burton, Edward F., and Graves.

Burton, Edward F., Wheelon, and Adams.

Chris, Stephen J.

Clausner, Francis H., and Wood.

Conner, William S., and Wilkie.

Del Mar, Bruce E.

Glasgow, Charles S., and Brown.

Kleinmans, Earl S., and Peck.

Klemperer, Wolfgang B., and Goldberg.

Nelson, Alex E.

Ostergren, Ralph H.

Reichman, George D., and Watson.

Rogers, Allan B., Sr.

Weise, Carl A.

Williams, Lewis E., Jr., and Smith.

Douglas Fraser & Sons Limited, assignee: *See—*

Fraser, Henry

Douglas, H. A., Mfg. Co., assignee: *See—*

Baumgardner, Earl J.

Douglas (Kingswood) Limited, assignee: *See—*

Halliday, George F., and Thomas.

Douglas, Los M.: *See—*

Cook, Stanley S., and Douglas.

Douglass, Myrl R., Edgewood, assignor to The Union

Switch & Signal Company, Swissvale, Pa. Light signal,

2,399,173; Apr. 30.

Doumani, Thomas F., Wilmington, assignor to Union Oil

Company of California, Los Angeles, Calif. Production

of aliphatic alcohols. 2,394,848; Feb. 12.

Doumani, Thomas F., Wilmington, Calif., assignor to

Union Oil Company of California, Los Angeles, Calif.

Dehydration of sulphur alcohols. 2,402,878; June 25.

Doumani, Thomas F., Long Beach, assignor to Union Oil

Company of California, Los Angeles, Calif. Liquid

phase dimerization. 2,411,822; Nov. 26.

Doumani, Thomas F., and C. H. O. Berg, Long Beach,

assignor to Union Oil Company of California, Los

Angeles, Calif. Treating hydrocarbons. 2,394,849;

Feb. 12.

Doumani, Thomas F., and R. Deery, changed by court

order to R. F. Deering, Long Beach, Calif., assignors

to Union Oil Company of California, Los Angeles, Calif.

Diene dimer. 2,401,414; June 4.

Doumani, Thomas F., Wilmington, and R. Deery, Long

Beach, Calif.: R. Deery changed by court order to

Roland Frank Deering, assignor to Union Oil Company

of California, Los Angeles, Calif. Production of styrenes.

2,402,740; June 25.

Doumani, Thomas F., Long Beach, and D. A. Skinner,

Compton, assignors to Union Oil Company of California,

Los Angeles, Calif. Butadiene purification. 2,408,970;

Oct. 8.

Doumani, Thomas F., Wilmington, and R. Deery, Long

Beach, now by judicial change of name to R. F. Deering,

assignors to Union Oil Company of California, Los

Angeles, Calif. Preparation of conjugated dienes.

2,409,259; Oct. 15.

Doumani, Thomas F., Long Beach, and J. F. Cuneo, Los

Angeles, Cal., assignors to Union Oil Company of

California. Catalytic process. 2,411,823; Nov. 26.

Douslin, Donald R., and C. F. Weinaug, Bartlesville,

Okla., assignors to Phillips Petroleum Company.

Coaling agent dispenser. 2,399,334; Apr. 30.

Douty, Alfred, Elkins Park, and F. F. Heller, Philadelphia,

assignors to American Chemical Paint Company.

Ambler, Pa. Cleaning composition. 2,396,776; Mar.

19.

Douty, Alfred, Elkins Park, and G. C. Romig, Melrose Park,

assignors to American Chemical Paint Company.

Ambler, Pa. Metal coating process. 2,403,426; July 2.

D'Ouville, Edmond L.: *See—*

Burney, Donald E., d'Ouville, and Hull.

Evering, Bernard L., and d'Ouville.

Evering, Bernard L., d'Ouville, and Carmody.

Hull, Carl M., and d'Ouville.

Lien, Arthur P., and d'Ouville.

D'Ouville, Edmond L., Chicago, Ill., and B. H. Shoemaker,

Hammond, Ind., assignors to Standard Oil Company,

Chicago, Ill. Alkylation. 2,398,493; Apr. 16.

D'Ouville, Edmond L., and B. L. Evering, assignors to

Standard Oil Company, Chicago, Ill. Butane isomeriza-

tion. 2,409,260; Oct. 15.

Dow, Alden B., Midland, Mich. Display folder. 2,411,368;

Nov. 19.

Dow Chemical Company, The, assignee: *See—*

Allen, Glenn L., Jr., Heltz, and Henderson.

Allen, William W.

Amley, Oliver B., and Gregory.

Barry, Arthur J.

Bradschaw, Russell R.

Britton, Edgar C., Coleman, and Clack.

Britton, Edgar C., and Hansen.

Britton, Edgar C., and Le Fevre.

Britton, Edgar C., and Monroe.

Britton, Edgar C., and Vander Weele.

Coleman, Gerald H., and Hadler.

Courter, Leo A.

Cummins, Claude A.

Dreisbach, Robert R.

Dreisbach, Robert R., and Fletcher.

Dreisbach, Robert R., Britton, and Le Fevre.

Edmunds, Alvin M.

Fletcher, Fred W.

Fletcher, Fred W., and Kenaga.

Frevel, Ludo K.

Hammer, Oscar H.

Heath, Sheldon B., and Minger.

Hirschkind, Wilhelm.

Hooker, George W., Drake, and Stowe.

Hunter, Melvin J., and Bauman.

Hunter, Melvin J., and Penn.

Keller, Cornelius H.

Lehnhard, Philip J.

Mansberg, Albert T.

Matson, George L.

Meuli, Lloyd J.

Nutting, Howard S., and Horsley.

Peters, Adolph T.

Dow Chemical Company, The, assignee: *See—Continued*

Rauner, Lawrence A., and Hunter.

Reimers, Hans A.

Robinson, Harold A., Friedrich, and Spencer.

Rubens, Louis C., and Boyer.

Ryden, Laurence L.

Savage, Albert B.

Stober, Kenneth E.

Watters, Donald W.

Wenck, Peter R., and Henson.

Wiley, Ralph M.

Dow, James N., Longmeadow, Mass., and A. T. Dillidan,

Suffield, assignors to Bigelow-Sanford Carpet Co., Inc.,

Thompsonville, Conn. Pile fabric manufacture.

2,408,756; Oct. 8.

Dow, Orville E.: *See—*

Hansell, Clarence W., and Dow.

Dow, Orville E., Port Jefferson, N. Y., assignor to Radio

Corporation of America. Oscillator circuit. 2,397,411;

Mar. 26.

Dow, Orville E., Port Jefferson, N. Y., assignor to Radio

Corporation of America. Ultra short wave system.

2,404,279; July 16.

Dow, Orville E., Port Jefferson, N. Y., assignor to Radio

Corporation of America. Automatic frequency control.

2,404,568; July 23.

Dow, Raymond, Flushing, N. Y. Wound closing device.

2,409,261; Oct. 15.

Dow, William G., H. C. Early, and H. J. Gomberg, Ann

Arbor, assignors to General Motors Corporation, Detroit,

Mich. Welding method. 2,400,921; May 28.

Dowdle, Duncy R., Sandringham, Victoria, Australia.

Riveting gun or like appliance. 2,401,724; June 11.

Dowey, Thomas L., Summit, N. J., assignor to Bell Tele-

phone Laboratories, Incorporated, New York, N. Y.

Telephone call transmitter. 2,395,539; Feb. 26.

Down, Sidney G., Edgewood, assignor to The Westing-

house Air Brake Company, Wilmerding, Pa. Piston

device. 2,407,872; Sept. 17.

Down, Sidney G., Edgewood, and F. E. Miller, Swissvale,

assignors to The Westinghouse Air Brake Company,

Wilmerding, Pa. Journal protecting apparatus.

2,400,399; May 14.

Downes, Daniel T., Creighton, assignor to Pittsburgh

Plate Glass Company, Allegheny County, Pa. Lami-

nated glass closure unit. 2,392,129; Jan. 1.

Downes, Daniel T., Creighton, assignor to Pittsburgh Plate

Glass Company, Allegheny County, Pa. Supporting

structure for laminated glass. 2,392,130; Jan. 1.

Downes, Daniel T., Creighton, assignor to Pittsburgh

Plate Glass Company, Allegheny County, Pa. Installa-

tion for laminated glass. 2,403,060; July 2.

Downes, Daniel T., Creighton, assignor to Pittsburgh Plate

Glass Company, Allegheny County, Pa. Window con-

struction. 2,403,061; July 2.

Downey, George T.: *See—*

Suska, Charles R., and Downey.

Downey, George T., assignor to Aero Supply Mfg. Co.

Inc., Corry, Pa. Valve assembly. 2,392,234; Jan. 1.

Downing Box Company, assignee: *See—*

Glascoff, Walter G., Jr., and Evert.

Downing, Frederick B.: *See—*

Benning, A. F., Downing, and Park.

Benning, Anthony F., Downing, and Park.

Benning, Anthony F., Downing, and Plunkett.

Downing, Frederick B., Bensgrove, N. J., and A. L. Linch,

assignors to E. I. du Pont de Nemours & Company, Wil-

mington, Del. Stabilizing or deactivating sludges, pre-

cipitates, and residues occurring or used in the manu-

facture of tetra alkyl leads. 2,407,261; Sept. 10.

Downing, Joseph M., Dayton, Ohio. Combined drill and

mill vise. 2,404,537; June 25.

Downing, Joseph R.: *See—*

Berry, Kenneth L., and Downing.

Downing, Otto P., Dallas, Tex. Liquid carton. 2,393,758;

Jan. 29.

Downing, Rexford D.: *See—*

Pool, Stuart D., and Downing.

Downingtown Manufacturing Company, assignee: *See—*

Edge, Jacob.

Dowsett Engineering Construction Limited, assignee:

See—

Barber, Ronald S. V.

Barber, Ronald S. V., and Lester.

Dowsett, Harry L., and Barber.

Dowsett, Harry L., and R. S. V. Barber, assignors to

Dowsett Engineering Construction Limited, Malvern,

England. Mold for the production of pre-stressed

reinforced concrete sleepers. 2,397,728; Apr. 2.

Dowty Equipment Limited, assignee: *See—*

Bingham, Arthur E.

MacKenzie, Donald.

Underwood, Cyril J.

Dowty, George H., Cheltenham, England. Retractable

mounting for aircraft landing elements. 2,392,905;

Jan. 15.

Doxford, William & Sons Limited, assignee: *See—*

Furdie, William H.

Doyle, Arthur J., assignor to The Youngstown Steel Door

Company, Cleveland, Ohio. Lock. 2,392,906; Jan. 15.

Doyle, Collin M., Salem, Ohio, assignor to The Nutting

Engineering Company, Drier. 2,412,133; Dec. 3.

- Doyle, Frank B., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Apparatus for freezing. 2,407,482; Sept. 10.
- Doyle, Irving W., Massapequa, A. G. Nash, Richmond Hill, and F. W. Stellwagen, Kew Gardens, N. Y., assignors to Fairchild Camera and Instrument Corporation, Camera. 2,399,476; Apr. 30.
- Doyle, Irving W., Amityville, and H. E. Hale, Freeport, N. Y., assignors to Fairchild Camera and Instrument Corporation. Apparatus for aiming guns. 2,399,726; May 7.
- Doyle, Irving W., Massapequa, and R. A. White, Pleasantville, N. Y., assignors to Fairchild Camera and Instrument Corp. Camera magazine. 2,403,587; July 9.
- Doyle, John T., deceased, Anne Arundel County; M. H. Doyle, Baltimore, Md., administratrix. Production of a road joint sealing composition. 2,395,996; Mar. 5.
- Doyle, Mary H., administratrix. *See—*
- Doyle, John T.
- Drabble, Dudley S. and E. J., and P. Ortiz de Zarate, Buenos Aires, Argentina. Electric heater of adjustable temperature. 2,398,156; Apr. 9.
- Drabble, Eduardo J. *See—*
- Drabble, Dudley S. and E. J., and de Zarate.
- Drackett Company, The, assignee. *See—*
- Xoutz, Merrill
- Draeger, Lloyd H., assignor to The T. L. Smith Company, Milwaukee, Wis. Water injection system for truck type concrete mixers. 2,413,488; Dec. 31.
- Draffin, Arthur R., Camberwell, Melbourne, Victoria, Australia. Electric water heater of the storage type. 2,413,611; Dec. 31.
- Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Cylindrical surface lapping machine. 2,399,477; Apr. 30.
- Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Work holder for gauge lapping machines. 2,405,346; Aug. 6.
- Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Gauge lapping machine. 2,409,113; Oct. 8.
- Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Adjusting device for lapping tools. 2,412,721; Dec. 17.
- Drake, Claud E., Brentwood, Mo. Indexing apparatus. 2,396,495; Mar. 12.
- Drake, Claud E., Brentwood, Mo. Machine for sharpening circular saws, milling-cutters, and the like. 2,410,274; Oct. 29.
- Drake, Earl D., assignor to Gibson Refrigerator Company, Greenville, Mich. Refrigerator cabinet. 2,403,588; July 9.
- Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Speed adjusting mechanism. 2,412,605; Dec. 17.
- Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Pitch control mechanism. 2,413,439; Dec. 31.
- Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Shell banding tester. 2,401,917; June 11.
- Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,409,553; Oct. 15.
- Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Flaw detector for tubing. 2,409,554; Oct. 15.
- Drake, John C., assignor to Myles Salt Company, Limited, New Orleans, La. Salt dissolving apparatus. 2,395,258; Feb. 19.
- Drake, John L., and G. B. Watkins, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass structure. 2,398,886; Apr. 23.
- Drake, Lewis R. *See—*
- Hooker, George W., Drake, and Stowe.
- Drake, Percy E., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanism. 2,410,432; Nov. 5.
- Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Pattern control mechanism for warp drawing in machines. 2,400,342; May 14.
- Drake, Ward A., Cleveland, Ohio. Exercising apparatus. 2,399,915; May 7.
- Drake, Winfred E., deceased, J. H. McNally, administratrix, assignor of fifty one-hundreds to G. F. McGlocklin, Bonners Ferry, Idaho. Wrench. 2,397,729; Apr. 2.
- Draper Corporation, assignee. *See—*
- Brown, Carl
- Hamilton, Wallace
- Villani, Antonio
- Draviner, Adolphe O., Glendale, Calif. Spray head. 2,402,741; June 25.
- Dravo Corporation, assignee. *See—*
- Morow, Joseph L.
- O'Laughlin, Patrick M.
- Draxler, John A., Cleveland Heights, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Terminal block for motors and the like. 2,403,642; July 9.
- Drayer & Hanson, Incorporated, assignee. *See—*
- Clancy, Gilbert E.
- Drechsler, Herman F., and C. W. Eisenheimer, assignors, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn. Electric cooker. 2,397,478; Apr. 2.
- Dreher, Herman W. *See—*
- Garfield, Frederick M., and Dreher.
- Dreisbach, Blair *See—*
- De Long, George H., and Dreisbach.
- Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Production of synthetic rubbers. 2,394,756; Feb. 12.
- Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Polymeric products and preparation of same. 2,398,736; Apr. 16.
- Dreisbach, Robert R., E. C. Britton, and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Tacky rubberlike compositions and making the same. 2,407,953; Sept. 17.
- Dreisbach, Robert R., and F. W. Fletcher, assignors to The Dow Chemical Company, Midland, Mich. Parastidic compositions. 2,411,330; Nov. 26.
- Drennan, Harry E. *See—*
- Hillery, John C., and Drennan.
- Drennan, Harry E., Bartlesville, Okla., assignor to Phillips Petroleum Company, Separating mercaptans. 2,408,920; Oct. 8.
- Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Sizing compositions. 2,398,699; Apr. 16.
- Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Dry rosin size and making the same. 2,410,433; Nov. 5.
- Dresser, George L., Albany, N. Y. Method of and apparatus for introducing grout into subsoil. 2,403,643; July 9.
- Dresser, Willis R. *See—*
- Waller, Fred, and Dresser.
- Waller, Fred, Dresser, and Baker.
- Dressler, Russell G., Middle River, Md., R. E. Vivian, Los Angeles, Calif., and T. Hasselstrom, Savannah, Ga. Preparation of valuable substances from talloil. 2,396,646; Mar. 19.
- Drew, Charles R., trustee. *See—*
- Goland, Philip P., and Drew.
- Drew, E. F., & Co., Inc. *See—*
- Rarsky, George.
- Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive and adhesive sheet. 2,410,053; Oct. 29.
- Drewitt, James G. N. *See—*
- Dreyfus, Henry, Bryans, and Drewitt.
- Lincoln, James, and Drewitt.
- Drexler, Charles, and R. B. Morgan, Indianapolis, Ind., assignors to Dr. R. R. Freund, Mount Carmel, Ill. Power control for articulated beds. 2,397,092; Mar. 26.
- Dreyer, John F., Cincinnati, Ohio. Optical device and method and manufacture thereof. 2,400,877; May 28.
- Dreyfus, Camille, New York, N. Y. Oxidation process. 2,392,316; Jan. 8.
- Dreyfus, Camille, New York, N. Y. Coated fabric. 2,393,302; Jan. 22.
- Dreyfus, Camille, New York, N. Y. Screening material. 2,407,632; Sept. 17.
- Dreyfus, Camille, New York, N. Y., and B. Andersen, Maplewood, N. J., assignors to Celanese Corporation of America. Coating composition. 2,397,093; Mar. 26.
- Dreyfus, Georges, Montauban, France; vested in the Allen Property Custodian. Parachute. 2,394,295; Feb. 5.
- Dreyfus, Henry, deceased, London, England; C. Bonard, administrator. Production of polymeric compounds. 2,392,131; Jan. 1.
- Dreyfus, Henry, deceased, London, England; C. Bonard, administrator. Production of polymeric compounds. 2,392,132; Jan. 1.
- Dreyfus, Henry, deceased, London, England. Claude Bonard, administrator. Improvements in exothermic chemical reactions. 2,393,240; Jan. 22.
- Dreyfus, Henry, deceased, London, England, C. Bonard, administrator. Treatment of cellulosic materials. 2,394,537; Feb. 12.
- Dreyfus, Henry, deceased, London, England; C. Bonard, administrator of said H. Dreyfus. Manufacture of cellulose. 2,394,989; Feb. 19.
- Dreyfus, Henry, deceased, London, England; C. Bonard, administrator. Cracking hydrocarbons in the presence of a diluent gas. 2,413,407; Dec. 31.
- Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Manufacture of coloring matters. 2,402,538; June 25.
- Dreyfus, Henry, deceased; C. Bonard, administrator. F. Bryant, and J. G. N. Drewitt, London, England. Conversion of di-*n*-alkenyl ethers to alkadienes and alkali metal alkenylates. 2,405,347; Aug. 6.
- Dreyfus, Henry, deceased, and W. Walker, London, and J. L. Rooney, Spondon, near Derby; said Walker, and said Rooney assignors to British Celanese Limited, London, England; C. Bonard, administrator. Constructional material. 2,400,078; May 14.
- Dreyling, Alfred, South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insect repellent composition. 2,404,698; July 23.
- Drieschman, Donald F., San Carlos, G. Shepherd, Burlingame, M. Rabinowitz, San Francisco, A. M. Newhall, Jr., Palo Alto, and H. E. Sorg, Redwood City, assignors to Eitel-McCullough Inc., San Bruno, Calif. Grid making machine. 2,411,988; Dec. 3.

- Drink-O-Matic Co., assignee: *See*—
Goldberg, Joseph H.
- Drinnon, James W., Eatonville, Wash. Weighing machine control. 2,398,887; Apr. 23.
- Driscoll, Alice D., Knoxville, Tenn. Cuticle remover. 2,392,907; Jan. 15.
- Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Alternating cutoff chucking machine. 2,402,990; July 2.
- Dritz, Lawrence L., Lawrence, N. Y. Pocket lighter. 2,403,589; July 9.
- Driver-Harris Company, assignee: *See*—
German, Howard M.
- Droel, Louis W., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Retarded relay. 2,407,633; Sept. 17.
- Dromgold, Jack K., assignee, et al.: *See*—
Engeljohn, Alvin F.
- Droll, Joseph W., Wilmette, Ill. Electrode joint. 2,412,081; Dec. 3.
- Drucke, William F., Grand Rapids, Mich. Game apparatus. 2,395,174; Feb. 19.
- Drugmand, Lester D.: *See*—
Cox, Irvin W., and Drugmand.
- Drnhot, Joseph J., Fort Wayne, Ind. Bottle carrier. 2,404,025; July 23.
- Drummond, Andrew, St. George, Staten Island, assignor to Lehigh Valley Coal Sales Company, New York, N. Y. Boiler. 2,406,673; Aug. 27.
- Drummond, John V., Washington, D. C. Composition or admixture for concrete and incorporating it therein. 2,393,397; Jan. 29.
- Drummond, Joseph E.: *See*—
Smith, Joseph E., and Drummond.
- Drummond, Robert S., Detroit, Mich., assignor to National Broach & Machine Company. Gear finishing machine. 2,394,737; Feb. 12.
- Dryden, Charles E., East Orange, and L. O. Buxton, Newark, assignors to National Oil Products Company, Harrison, N. J. Production of fat-soluble vitamin ester concentrates. 2,404,365; July 23.
- Drying & Concentrating Company, assignee: *See*—
Hall, Joseph M.
- Drying Systems, Inc., assignee: *See*—
Richardson, Donald E., and Yates.
- Drzewiecki, Edward R., Chicago, Ill. Open-mearth furnace. 2,402,152; June 18.
- Duane, James J., assignee: *See*—
Thomas, Albert.
- Duarte, Joseph R., Honolulu, Hawaii. Safety tongs. 2,411,319; Nov. 19.
- Dubay, William A., Cleveland, Ohio. Game. 2,413,550; Dec. 31.
- Dubbe, Paul E., Los Angeles, Calif. Garment hanger. 2,412,606; Dec. 17.
- Dube, John E., Clayton, assignor to Alco Valve Company, Maplewood, Mo. Pressure regulator valve. 2,401,144; May 28.
- Dubeau, Archie L.: *See*—
Vincent, George P., and Dubeau.
- Dubick, Michael, assignor to The Englander Company, Inc., Chicago, Ill. Mattress. 2,408,382; Oct. 1.
- Dubie, Orville L., Toconga, Ga., assignor to R. G. Le Tourneau, Inc. Stockton, Calif. Work straightening press. 2,396,496; Mar. 12.
- Dubilier, William, New Rochelle, N. Y., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical capacitor. 2,398,417; Apr. 16.
- Dubitsky, Jack: *See*—
Schutz, Nathan R., and Dubitsky.
- Du Bois, George B., Radburn, N. J., E. L. Madden, Ithaca, N. Y., and F. C. Meyer, Wyckoff, N. J., assignors to Wright Aeronautical Corporation. Fin vibration damping means. 2,396,363; Mar. 12.
- Du Bois, Joseph E., assignor of one-fifth to V. I. Du Bois, Detroit, Mich., one-fifth to L. T. Holzworth, North Tonawanda, one-fifth to R. C. Sterne, one-fifth to E. Silbert, and one-fifth to F. E. Taylor, Buffalo, N. Y. Eyeshield. 2,406,998; Sept. 3.
- Du Bois, Virginia L., assignee, et al.: *See*—
Du Bois, Joseph E.
- Du Bois, William M., assignor to Bendix Aviation Corporation, South Bend, Ind. Regulating valve. 2,402,317; June 18.
- Dubosclard, Paul P. M., Buffalo, N. Y. Forming roll. 2,410,605; Nov. 5.
- Du Bose, George P., assignee, et al.: *See*—
Gordon, George C., and Blackwelder.
- Dubsky, Arthur, Jackson Heights, N. Y. Combined pipe case and tobacco pouch. 2,396,364; Mar. 12.
- Ducey, Roger H., Belmont, assignor to National License Plate Corporation, Boston, Mass. License plate. 2,400,079; May 14.
- Ducker, Andrew J., Petaluma, Calif. Tool lifting and lowering device. 2,413,299; Dec. 31.
- Duda, Wentzel R., Mount Lebanon, Pa. Roll lathe. 2,413,489; Dec. 31.
- Duddy, Joseph C., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Battery container and making same. 2,404,126; July 16.
- Dudley, Adolphus M.: *See*—
Curry, Herman H., and Dudley.
- Dudley, Hawley A., assignee: *See*—
Knowles, Frank W., and Dudley.
- Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Cation exchange resins and production thereof. 2,408,615; Oct. 1.
- Duer, Bayard G.: *See*—
Edwards, Beryl A., and Duer.
- Duer, John Van B., Narberth, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Towing system for aircraft. 2,400,400; May 14.
- Duerkob, Manfred F., St. Louis, Mo., assignor to McGraw Electric Company, Elgin, Ill. Protector for electric circuits. 2,400,491; May 21.
- Duerr, Herman H., and H. W. Morreall, Jr., Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Multilayer reversal colorfilm and processing the same. 2,393,027; Jan. 15.
- Duessel, Bernard F.: *See*—
Tisza, Edmond T., and Duesel.
- Dufault, Homer D., Easthampton, assignor to Heathbath Corporation, Indian Orchard, Mass. Reinforced gas burner. 2,409,421; Oct. 13.
- Duffy, Charles H., Miami, Fla. Masking attachment for photographic cameras. 2,404,366; July 23.
- Duffy, Thomas L., Kearny, N. J. Supporting surface for toy railroad systems and similar amusement devices. 2,401,468; June 4.
- Dufour, Maurice F.: *See*—
Hills, Robert C., and Dufour.
- Dugas, Joseph J., assignor to Higgins Industries, Inc., New Orleans, La. Fuel heating system for internal-combustion engine. 2,401,862; June 11.
- Duggan, James E., Birmingham, Mich. Mask structure. 2,401,415; June 4.
- Dugger, Dale A., Chicago, Ill. Taper gauge. 2,412,569; Dec. 17.
- Duguid, Robert J., Aberdeen, Scotland. Apparatus for processing photographic films. 2,405,645; Aug. 13.
- Duke, James B.: *See*—
Cole, Allen T., Duke, and McMurray.
- Duke, Crawford R., Chicago, Ill. Rerailer. 2,395,175; Feb. 19.
- Duke, Paul W., U. S. Navy. Film magazine. 2,405,195; Aug. 6.
- Dumais, Charles J., Woonsocket, R. I. Armor. 2,410,022; Oct. 29.
- Dumbleton, Ruth R., Madison, Wis. Shell cane. 2,392,083; Jan. 1.
- Du Mont, Albert B., Laboratories, Inc., assignee: *See*—
Atwood, Horace J., Beste, Harold E., Christaldi, Peter S., Koch, Stanley J., Mann, Estle R., Petry, Charles B.
- Du Nah, George W., Pasadena, Calif. Garment finisher. 2,410,485; Nov. 5.
- Dunajeff, Leonid A., Havre de Grace, Md. Synchronized motor control. 2,412,676; Dec. 17.
- Duncan, Burt C., San Anselmo, Calif. Cosmetic appliances. 2,399,335; Apr. 30.
- Duncan, Donald M., and F. S. Wright, Alton, A. S. Jackson, Wood River, and C. A. Heyne, Alton, Ill., assignors to Owens-Illinois Glass Company. Drier. 2,393,321; Jan. 22.
- Duncan Electric Manufacturing Company, assignee: *See*—
Green, Stanley S.
- Duncan, Gordon W.: *See*—
Wasson, James I., and Duncan.
- Duncan, Gordon W., Scotch Plains, N. J., assignor to Standard Oil Development Company. Slushing composition. 2,408,971; Oct. 8.
- Duncan, Hershel B., Detroit, Mich., assignor to Carboly Company, Inc. Profile grinding machine. 2,394,671; Feb. 12.
- Duncan, Lyle L.: *See*—
Culver, Merlyn M., and Duncan.
- Duncan, Neil B.: *See*—
Luce, Charles C., and Duncan.
- Dunham, George S., Merion, Pa., assignor to Socony-Vacuum Company, Incorporated, New York, N. Y. Conversion of hydrocarbon oils. 2,393,028; Jan. 15.
- Dunham, Henry V., Bainbridge, assignor to The Borden Company, New York, N. Y. Paper coating. 2,411,989; Dec. 3.
- Dunham, Joseph E., Charleston, S. C. Ophthalmic mounting. 2,393,137; Apr. 9.
- Dunham, Walter A., United States Army. Suction pump. 2,402,991; July 2.
- Dunkelberger, Milton S., assignor to The American Display Company, Dayton, Ohio. Spraying device. 2,394,598; Feb. 12.
- Dunkle, Heber H., Baritan Township, Middlesex County, assignor to Goetze Gasket & Packing Co., Inc., New Brunswick, N. J. Gasket. 2,397,597; Apr. 2.
- Dunlap, Charles W.: *See*—
Anderson, John E., and Dunlap.
- Dunlap, John B.: *See*—
Hurley, Paul E., and Dunlap.

- Dunlap, Wayman B., Jr., Houston, Tex. Underreamer. 2,397,652; Apr. 2.
- Dunleavy, William E., Belleville, N. J. Wall cabinet for storing toothbrushes. 2,401,058; May 28.
- Dunlop, Andrew P., Riverside, assignor to The Quaker Oats Company, Chicago, Ill. Manufacturing furoic acid and furoic acid salts. 2,407,066; Sept. 3.
- Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,408,757; Oct. 8.
- Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety apparatus for elevators. 2,408,758; Oct. 8.
- Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Deck-edge elevator. 2,408,759; Oct. 8.
- Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,408,760; Oct. 8.
- Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator control system. 2,409,198; Oct. 15.
- Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator control system. 2,409,199; Oct. 15.
- Dunlop, James, Ridgewood, N. J., and H. E. Hansen, Westerlign, Staten Island, N. Y., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety device for elevators. 2,408,761; Oct. 8.
- Dunlop, James, Ridgewood, and L. R. Rissler, Hohokus, N. J., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locking apparatus for elevator platforms. 2,408,762; Oct. 8.
- Dunlop, James, Ridgewood, and L. R. Rissler, Hohokus, N. J., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,408,763; Oct. 8.
- Dunlop Rubber Company Limited, assignee: See—Butler, Henry J. Norcross, Thomas. Pearce, William G. M., and Yoxon. Peffer, William E. W. Videy, and Richards. Powell, Ernest P., and Badham. Trovaskis, Henry. Trovaskis, Henry W.
- Dunlop Tire and Rubber Corporation, assignee: See—Lord, Wilfrid, and Riding. McCheesney, Cuyler S.
- Dunmire, Russell P., Shaker Heights, assignor, by mesne assignments, to Buckeye Laboratories Corporation, Cleveland, Ohio. Treatment of vegetable fatty substances. 2,401,338; June 4.
- Dunmire, Russell P., Shaker Heights, assignor, by mesne assignments, to Buckeye Laboratories Corporation, Cleveland, Ohio. Treatment of oils and waxes. 2,401,339; June 4.
- Dunmire, Russell P., Chagrin Falls, Ohio, assignor, by mesne assignments, to Buckeye Laboratories Corporation, Cleveland, Ohio. Treating rolling oils. 2,401,341; June 4.
- Dunmire, Russell P., and J. A. Camelford, assignors, by mesne assignments, to Buckeye Laboratories Corporation, Cleveland, Ohio. Treating rolling oils. 2,401,340; June 4.
- Dunn, Albert, and O. C. Eiland, Mount Rainier, Md. Tie rack. 2,411,320; Nov. 19.
- Dunn, Allen L., Los Angeles, Calif., assignor to Thompson Products, Inc., Cleveland, Ohio. Valve seat grinder. 2,400,983; May 28.
- Dunn, Charles G., Fort Leavenworth, Kans., and W. J. Tellington, West Point, N. Y. Position tracking, transmitting, and recording. 2,413,300; Dec. 31.
- Dunn, George E., Detroit, assignor to Universal Products Company, Incorporated, Dearborn, Mich. Constant velocity joint. 2,395,962; Mar. 5.
- Dunn, Jerry J., Ellwood City, Pa., assignor to National Tube Company. Gauge. 2,400,293; May 14.
- Dunn, Jerry J., Ellwood City, Pa., assignor to National Tube Company. Making tubing. 2,402,383; June 18.
- Dunn, Roland H.; See—McWhirter, Eric M. S., and Dunn.
- Dunn, Stephen M., Los Angeles, Calif. Inserting bolts into concrete. 2,400,878; May 28.
- Dunn, William C.; See—Dunham, Francis S., and Dunn.
- Dunn, William G., Clarinda, Iowa. Imitation firing mechanism for training arms. 2,406,493; Aug. 27.
- Dunne, John P., Seneca Falls, N. Y. Rotary valve and lubricating mechanism. 2,412,448; Dec. 10.
- Dunmoleck, Robert E., assignor to The Parker Appliance Company, Cleveland, Ohio. Piston and cylinder assembly. 2,412,975; Dec. 24.
- Dunning, John E. P.; See—Clothier, William C., Naylor, and Dunning.
- Dunning, Robert M.; See—Guyer, Reynolds, and Dunning.
- Duplex Printing Press Company, The, assignee: See—Galen, Clarence W.
- Du Pont, E. I., de Nemours & Company, assignee: See—Alderson, Witty L., Jr. Alfthan, Johannes. Alfthan, Johannes, and Chynoweth. Alvarado, Alfonso M. Alvarado, Alfonso M., Lazier, and Werntz. Arnold, Harold W. Arnold, Harold W., Brubaker, and Dorough. Arnold, Herrick R. Bacon, Osborne C. Balaban, Ladislav, and McGlone. Ballard, Kermit H. Barrick, Paul L. Bartlett, Edward P. Batchelder, George W. Batchelder, George W., Nagle, Vyverberg, and Willis. Bechtold, Max F. Bechtold, Max F., and Pinkney. Belcher, Clarence F. Bell, Robert S., and Davenport. Bellezza, James, Jr. Benning, Anthony F., and Markwood. Benning, Anthony F., and Park. Berry, Kenneth L. Berry, Kenneth L., and Downing. Berry, Kenneth L., and Hill. Bertolotto, William de B., and Parmelee. Blackburn, Newell F. Blake, Ralph K., and Baldisien. Blyler, Lee L. Boltau, Elmer K. Bousquet, Euclid W. Bousquet, Euclid W., and Guy. Bradshaw, George B., and Meuly. Brant, Gilbert W. Bracker, Burton C. Browning, Harry. Brubaker, Merlin M. Brubaker, Merlin M., and Hanford. Burke, William J. Burrows, Lawton A. Burrows, Lawton A., and Lawson. Burrows, Lawton A., and Noddin. Cairns, Theodore Le S. Calcott, William S., Holbrook, and Turnbull. Calcott, William S., and Starkweather. Cass, Oliver V. Castner, James B., and Nagle. Cavanaugh, Robert M. Chambers, Francis S., Jr., and Gartside. Charch, William H. Christ, Robert E. Clarkson, Richard G. Cleveland, Clarence M., and Steele. Cline, Edward T. Coffman, Donald D. Coffman, Donald D., and McGrew. Coffman, Donald D., and Salisbury. Conaway, Rollin F. Coolidge, Cole. Cooper, Charles M. Cooper, Edward B., and Macht. Cosler, Vaile A. Cramer, Francis E. Cuperly, Martin E. Davis, Clyde O. Davis, Clyde O., and Burrows. Deinet, Joseph, and Gottlieb. Detrick, Stanley R., and Hamilton. Deyrup, A. J. Deyrup, Alden J. Dietrich, Melvin A., and Joyce. Dietrich, Melvin A., and Pedersen. Dillon, Thomas E. Dinwiddie, Joseph G. Ditmar, Harry K. Doell, Howard J. Dorough, George L. Downing, F. B., and Linch. Dreyling, Alfred. Edgar, Donald E., and Sullivan. Ellingboe, Ellsworth K. Engelmann, Max. Ernshoberg, Maurice L., and Gregory. Etzel, Gastao, and Dillon. Flanner, Albert L., and Searle. Farlow, Mark W. Farlow, Mark W., and Lazier. Farlow, Mark W., and Signaio. Fernald, Herbert B., and Iler. Fiehlitz, Frederick J. Finzel, Theron G. Flanner, Albert L., and Littler. Ford, Thomas A. Fos, Arthur L. Foster, Markin. Fothergill, Robert E., Hill, and Johnson. Foulger, John H., and Smith. Freed, William V. Gilbert, Harvey N. Glogau, Richard C. Goldin, Avery H., and Searle. Goldrick, Richard M., and Marks.

Du Pont, E. I., de Nemours & Company, assignee: *See—*
Continued

Gray, Allen G.
Green, Howard D., and Hendrixson.
Green, Howard D., and Taylor.
Gresham, William F.
Gresham, William F., and Brooks.
Gresham, William F., and Bruner.
Gresham, William F., and Schweitzer.
Gribbins, Myers F., Miller, and O'Leary.
Gubelmann, Ivan.
Hallowell, Alban T., and Valla.
Hamblet, Clement H.
Hamill, William H., and Vogt.
Hanford, William E.
Hanford, William E., and Risby.
Hanford, William E., and Roland.
Hanford, William E., Kirby, and Woodward.
Hansley, Virgil L.
Hardy, Vernal R., and Haeefe.
Harmon, Jesse.
Harmon, Jesse, and Joyce.
Harris, Charles R.
Heckert, Winfield W.
Hersberger, Albert.
Hill, Julian W.
Hill, Julian W., Lindsey, and Wiley.
Hitt, Otha A.
Hoffman, Robert M.
Hoffman, William A.
Hoffman, William A., and Mortenson.
Holt, Harold S.
Houtz, Ray C.
Howk, Benjamin W.
Howk, Benjamin W., Roland, and Hoehn.
Hunt, Madison.
Hunter, Archibald S.
Hurt, David M., Stafford, and Tauch.
Huston, Frederick P., Burrows, and Lawson.
Iler, Ralph K.
Iler, Ralph K., and Kirk.
Iler, Ralph K., Latham, and Robinson.
Jennings, Alfred J.
Jennings, Andrew B.
Jennings, Andrew B., Murray, and White.
Johnson, Aaron D.
Johnson, Charles R.
Johnson, Charles W.
Johnson, Frank W.
Johnson, Frederick L.
Joyce, Robert M., Jr.
Keats, John L.
Kertesz, Francois.
Kirk, Joseph S.
Klein, David X.
Knapp, Paul.
Krase, Norman W., and Lawrence.
Krister, Charles J., Sedusky, and Thompson.
Kvalnes, Donovan E., and Woodward.
Kvalnes, Hamline M.
Lacy, Burritt S., Bond, and Hinegardner.
Lang, Joseph W., and Detrick.
Langkammerer, Carl M.
Larchar, Arthur W.
Larson, Alfred T.
Larson, Alfred T., and Krase.
Latham, George H.
Lawson, Walter E.
Lazier, Wilbur A., and Signaigo.
Lazier, Wilbur A., Signaigo, and Wernitz.
Lazier, Wilbur A., Signaigo, and Wise.
Leach, Lloyd L.
Lee, Henry R., Deinet, and Gottlieb.
Lee, Henry R., and Howell.
Leckley, Robert M.
Leonard, James W.
Lewis, Ernest E.
Linch, Adrian L.
Loder, Donald J.
Loder, Donald J., and Bruner.
Loder, Donald J., and Gresham.
Lubs, Herbert A.
Lufkin, James E.
Lyon, Robert C.
Macht, Maurice L., and Renfrew.
Mahlberg, Elroy F.
Major, John, and Thomas.
Martin, Elmore L.
McAdam, Robert M.
McAlevy, Ambrose.
McCleary, Ray L.
McClellan, William R.
McGrew, Frank C.
McQueen, David M.
Merner, Richard R.
Meuly, Walter C., Rosenberg, and Terry.
Mighton, Charles J.
Milbiser, Frederick R.
Mitchel, Frederick M., C., Lawrence, and Stecher.
Mitchell, James A.
Mortenson, Carl W.
Myers, Clovis D.
Neal, Arthur M., and Sturgis.
Nebel, Richard W.

Du Pont, E. I., de Nemours & Company, assignee: *See—*
Continued

Nerlinger, Ludwig F.
Nowlen, James P., and Torrence.
O'Leary, Daniel K.
Palmer, Fred S., and Gross.
Parmelee, Alfred E.
Pavlic, Albert A.
Pease, Donald C.
Pedersen, Charles J., and Bender.
Peppel, William J.
Peppel, William J., and Signaigo.
Perkins, Melvin A., and Irwin.
Perkins, Melvin A., and Johnson.
Peters, Franklin T.
Peterson, Merlin D.
Peterson, Merlin D., and Weber.
Peterson, Wesley R.
Piki, Josef.
Pollock, Frank S., Jr.
Potter, Rowland S.
Potter, Rowland S., and Brown.
Prichard, William W.
Quinn, Joseph L.
Reynolds, William B., and Rossander.
Richter, Henry J.
Richter, Henry J., and Rothrock.
Rigby, George W., and Schroeder.
Robinson, John W., Jr.
Rodman, Ernest A.
Roedel, Milton J.
Rogers, Arthur O.
Roland, John R.
Roland, John R., Jr.
Rollinson, Carl L.
Rosenberg, Hans R., and Terry.
Rothrock, Henry S.
Rothrock, Henry S., and Wood.
Rumsey, Joseph B.
Salzberg, Paul L.
Saum, Arthur M.
Schmidt, Edgar H.
Schmitz, William R., Jr.
Schweldher, Ernest W.
Schweitzer, Carl E.
Scott, Samuel L.
Scott, William E.
Searle, Norman E.
Sease, Virgil B., and Woodward.
Sharkey, William H.
Sharkey, William H., Cadot, and Clark.
Signaigo, Frank K.
Signaigo, Frank K., and Peppel.
Sloan, Clifford K., and Patterson.
Smith, Albert F.
Smith, Joseph F.
Smith, Joseph E., and Drummond.
Smith, Joseph E., and Mitchell.
Sonnichsen, Harold M., and Gager.
Squires, Lombard.
Stamatoff, Golu S.
Steele, Sydney.
Stevenson, Halsey B.
Strain, Daniel E.
Sullivan, David J.
Tanner, Herbert G.
Tauch, Ernest J.
Theobald, Clement W.
Thomas, Raymond E.
Tisdale, Wendell H., and Williams.
Turnbull, Stockton G., Jr.
Underwood, William F.
Verbanc, John J.
Vinal, Leroy W.
Vincent, John R.
Vyverberg, John C., Jr.
Waddell, James, and Woessner.
Wagner, Frederick C.
Wahl, Milton H.
Walker, Joseph F.
Watson, Frederick K.
Webb, David L.
Weber, Arthur G., and Hamblet.
Weinmayr, Viktor.
Wernitz, James H.
White, Clayton F. A.
White, Jesse O.
Whitman, Gerald M.
Wiest, Emil G.
Wilder, Frank N.
Wilson, Cyril D.
Wirth, Walter V.
Woodhouse, John C., and Bell.
Woodward, David W.
Woodward, Harold E.
Yates, Edward S., and Gager.
Young, Howard S.

Du Pont, Hubert I.: *See—*

Rostler, Fritz S., Sternberg, and du Pont.
Rostler, Fritz S., Wilson, and du Pont.

Du Pont, Richard C., Granoque, assignor to All American Aviation, Inc., Wilmington, Del. Apparatus for picking up articles by aircraft in flight. 2,402,879; June 25.

- Du Pont, Richard C., Granogue, assignor to All American Aviation, Inc., Wilmington, Del. Shock absorbing aerial towline. 2,407,634; Sept. 17.
- Du Pont, Stephen, Wilbraham, assignor to Indian Motorcycle Company, Springfield, Mass. Resilient mounting for handle bars. 2,396,041; Mar. 5.
- Du Pont, Stephen, Wilbraham, assignor to Indian Motorcycle Company, Springfield, Mass. Spring suspension for saddles. 2,398,211; Apr. 9.
- Du Pont, Stephen, Wilbraham, assignor to Indian Motorcycle Company, Springfield, Mass. Suspension unit for vehicle wheels. 2,408,944; Sept. 17.
- Dupuy, Charles F. J., Mahwah, N. J., assignor to O-Cedar Corp'n, Chicago, Ill. Air treating apparatus. 2,405,494; Aug. 6.
- Dupuy, Charles F. J., Mahwah, N. J., assignor to O-Cedar Corporation, Chicago, Ill. Vaporizing device. 2,412,326; Dec. 10.
- Durametallic Corporation, assignee: *See—*
Morgan, Ralph E., and Curry.
- Durand & Huguenin A. G., assignee: *See—*
de Niederhäusern, G. G.
- Durand, Oscar J., Hall, Mont. Sweep rake. 2,403,351; July 2.
- Durant, Albert A., Honolulu, Hawaii. Insulated pipe. 2,405,021; July 30.
- Durant, Walter W., Old Greenwich, and W. A. Blann, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Water purification. 2,404,367; July 23.
- Duridin, Augustus C., Jr., assignee: *See—*
Duridin, Augustus C., III.
- Duridin, Augustus C., III, Skokie, Ill., assignor of twenty-four per cent to L. H. Duridin, Franklin, Pa., and fifty-two per cent to A. C. Duridin, Jr., Method of and apparatus for treating sewage. 2,404,223; July 16.
- Duridin, Lewis H., assignee: *See—*
Duridin, Augustus C., III.
- Durfee, Benjamin M.: *See—*
Lake, Clair D., Hamilton, and Durfee.
- Durgin, Charles B., Anniston, Ala., assignor to Monsanto Chemical Company. Inhibiting the rusting of steel sheet and product obtained thereby. 2,398,212; Apr. 9.
- Durgin, Franklin W., Washington, D. C. Continuous range finder. 2,406,999; Sept. 3.
- Durinski, Arthur M.: *See—*
Schmerling, Louis, and Durinski.
- Duriron Corporation, Inc., The, assignee: *See—*
Jack, Delbert E., and Augsburg.
Jacobsen, Oystein.
- Durite Plastics, Incorporated, assignee: *See—*
Novotny, Emil E., and Vogelsang.
Novotny, Emil E., Vogelsang, and Novotny.
- Durland, John R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Inhibiting polymerization of vinyl compounds. 2,402,806; June 25.
- Durland, John R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of carbamide derivatives. 2,410,407; Nov. 5.
- Durland, John R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of vinyl compounds. 2,410,408; Nov. 5.
- Duro Metal Products Company, assignee: *See—*
Odium, William H., and Paine.
- Duro-Test Corporation, assignee: *See—*
Cox, James L., and Trutner.
- Durrett, James J., Watertown, N. Y., assignor to The New York Air Brake Company. Adjusting device for control valves. 2,404,831; July 30.
- Durrin, Monte K., Little Rock, Ark. Hand loom. 2,409,743; Oct. 22.
- Durrum, Emmett L., Palo Alto, assignor to Shell Development Company, San Francisco, Calif. Separating aromatic hydrocarbons. 2,407,820; Sept. 17.
- Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Compounds of the imidazolone series and making them. 2,397,250; Mar. 26.
- Dusenbury, Millard R., assignor to Hercules Powder Company, Wilmington, Del. Ligneous resinous composition and producing. 2,410,205; Oct. 29.
- Dustman, Herman U., Miami, Ariz. Support. 2,405,819; Aug. 13.
- Dutch Tea Rusk Company, assignee: *See—*
Heikman, Jelle.
- Dutcher, Harris A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of unsaturated nitriles. 2,404,280; July 16.
- Dutson, Keith J. F., Jr., Dayton, and D. A. Smith, Goose Creek, Tex., assignors to Standard Oil Development Company. Reducing thermal decomposition in high temperature accumulators. 2,398,213; Apr. 9.
- Dutton, Harry A., Jr., assignee: *See—*
Stadfield, Jacob A.
- Siebel, William H.
- Dutton, Howard W., Des Moines, Iowa. Padlock. 2,407,406; Sept. 10.
- Duty, John B., Bagulo, Philippine Islands. Gyrotory crusher. 2,391,953; Jan. 1.
- Du-Vel Steel Products Company, assignee: *See—*
Gibbs, Benedict T.
- Dwyer, Frank W., Chicago, Ill. Pressure gauge. 2,411,508; Nov. 26.
- Dybvig, Edwin S.: *See—*
Graham, Charles D., and Dybvig.
- Dybvig, Edwin S., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,405,411; Aug. 6.
- Dye, Glen M., Minneapolis, Minn. Exposure meter for print-making apparatus. 2,399,992; May 7.
- Dye, Glen M., R. Sardeson, and R. W. Armstrong, assignors to Pako Corporation, Minneapolis, Minn. Film loading device. 2,401,623; June 4.
- Dye, Henry F., Micanopy, Fla. Multiple purpose pocket accessory. 2,401,750; June 11.
- Dyer, Charles W., Stratton, Maine. Sprocket drive for motion-picture projectors. 2,406,595; Aug. 27.
- Dyer, John B., Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,392,652; Jan. 8.
- Dyer, John B., Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Driving mechanism for domestic appliances. 2,412,722; Dec. 17.
- Dyer, John B., Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,411,960; Dec. 3.
- Dyer, John B., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,396,164; Mar. 5.
- Dyer, Lloyd W., Wilkinsburg, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,400,984; May 28.
- Dyett, James H., assignor to Hard Manufacturing Company, Buffalo, N. Y. Toilet or the like cabinet. 2,398,750; Sept. 3.
- Dyett, James H., and B. A. Doty, assignors to Hard Manufacturing Company, Buffalo, N. Y. Bed table unit. 2,393,598; Jan. 29.
- Dyke, Charles L., Orange City, Iowa. Low air pressure alarm for pneumatic vehicle tires. 2,400,107; May 14.
- Dykeman, Reuben G., assignor to United Aircraft Products, Inc., Dayton, Ohio. Valve mechanism. 2,394,672; Feb. 12.
- Dykoski, Walter J., and L. F. Borchardt, Minneapolis, Minn., assignors to General Mills, Inc. Polishing pre-treatment surfaces. 2,398,628; Apr. 16.
- Dyrufl, Harry F.: *See—*
Nelson, William B., Johnsen, Dyrufl, and Bell.
- Dysart, Birney, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave stabilizer. 2,391,954; Jan. 1.
- Dysart, Birney, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic line testing and switching circuits. 2,396,990; Mar. 19.
- Dyson, Horace R.: *See—*
Barton, Loy E., and Dyson.
- Dzama, Michael D., Cleveland, Ohio. Tool mounting. 2,393,314; Jan. 22.
- Dzama, Michael D., Cleveland, Ohio. Tool mounting. 2,393,315; Jan. 22.
- E. A. Laboratories, Inc., assignee: *See—*
Aufero, John M.
Meyerhoefer, Carl E.
Unger, Sidney.
- E. C. D. Limited, assignee: *See—*
Evans, David J.
- E & J Manufacturing Company, assignee: *See—*
Fox, Le Roy G.
- E. M. B. Company, Limited assignee: *See—*
Smith, Stanley, and Cockerill.
- Eagle, John H.: *See—*
Beggs, Joseph S., McRae, and Eagle.
- Eagle, Pencil Company, assignee: *See—*
Pischel, Adolph, and Stowe.
- Eagle-Pischer Company, assignee: *See—*
Hollman, Edward G.
Turbett, Forrest L.
- Eakin, Willard D., Akron, Ohio. Disappearing stairway. 2,393,759; Jan. 29.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Making laminated articles. 2,395,468; Feb. 26.
- Eames, William F., Westfield, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving stairway. 2,408,203; Sept. 24.
- Earl, Paul D., Malone, N. Y. Boot construction. 2,394,433; Feb. 5.
- Earle, Guyon L. C., Forest Hills, N. Y., assignor to Hugh S. Wertz, as trustee. Refrigerator. 2,400,634; May 21.
- Earle, Theodore, Pacific Palisades, Calif. Retting method. 2,397,257; Sept. 10.
- Early, Harold C.: *See—*
Dow, William G., Early, and Gomberg.
- Early, M. Edward, Rockford, Ill. Lapping and honing machine. 2,408,204; Sept. 24.
- Early, Paul W., New Carlisle, assignor to Standard Aircraft Products, Inc., Dayton, Ohio. Electric lamp. 2,404,476; July 23.
- Early, Paul F., New Carlisle, Ohio, assignor to Standard-Thomson Corporation. Retaining device. 2,412,804; Dec. 17.

- Earp, Charles W., assignor to Standard Telephones and Cables Limited, London, England. Radio beacon. 2,394,157; Feb. 5.
- Eason, Clarence M., Waukesha, Wis. Clutch. 2,391,955; Jan. 1.
- Eason, Clarence M., Waukesha, Wis. Clutch. 2,408,301; Sept. 24.
- Easson, Alexander P. T.: *See*—
Newbery, George, and Easson.
- Easter, Donald P.: *See*—
Bludworth, Joseph E., and Easter.
- Easterbrooks, Harold A., Providence, R. I. Pillow head cover. 2,412,769; Dec. 17.
- Eastern Air Devices, Inc., assignee: *See*—
Hamilton, Hugh G., Pratt, and Skrobisch.
- Eastern Malleable Iron Company, The, assignee: *See*—
Hennicke, Carl R.
- Eastern Tool and Manufacturing Company, assignee: *See*—
Elwell, George H.
- Eastes, John W., Bel Air, Md., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Ion exchange polyamine resins and preparing same. 2,402,384; June 18.
- Eastman, Du Bois: *See*—
Atwell, Harold V., and Eastman.
Rickher, Charles, and Eastman.
- Eastman, du Bois, White Plains, assignor to The Texas Company, New York, N. Y. Refining hydrocarbons. 2,395,806; Mar. 5.
- Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Limit stop for gun mounts. 2,391,956; Jan. 1.
- Eastman, Ivan L., Sylvania, assignor to The De Vilbiss Company, Toledo, Ohio. Coupling. 2,394,236; Feb. 5.
- Eastman Kodak Company, assignee: *See*—
Allen, Charles F. H., and Bell.
Altman, Fred E.
Ballard, Albert E., and Martinson.
Bean, Frederic R.
Beggs, Joseph S., McRae, and Eagle.
Bennett, Harold.
Boughton, Fred W.
Brant, Joseph H., and Conklin.
Brooker, Leslie G. S., and Cressman.
Brooker, Leslie G. S., and Sprague.
Caldwell, John E.
Carroll, Burt H., and Spence.
Carroll, Clarence W.
Crabtree, John I., and Eaton.
Crumrine, Chester W.
Davey, Edward P., and Selwyn.
Dean, David.
Dearing, Le Roy M.
Dickey, Joseph B., and McNally.
Dickey, Joseph B., Straley, and Stanin.
Dietz, Herbert J.
Egan, John F.
Evans, Ralph M., and Hanson.
Fallsen, George E., and Leermakers.
Fierke, Scheuring S., and Staud.
French, Robert E.
Fuerst, Carl C.
Glassey, Courtney Q.
Hagemeyer, Hugh J., Jr.
Harvey, Douglass C.
Hawkins, Edgar M.
Heintz, Albert J.
Holmes, Frederick M. E., and Mihalyi.
Houck, Robert C., Russell, and Sheppard.
Hull, D. C., and Snodgrass.
Hutchison, Miller R., Jr.
Jelley, Edwin E., and Vittum.
Jensen, Edgar C., Scull, and McNally.
Kenyon, William O., and Fowler.
Kenyon, William O., Murray, and Minsk.
Kenyon, William O., and Reynolds.
Kingslake, Rudolf, and Orser.
Knott, Edward B.
Kridel, Donald J.
Luboshez, Benjamin E.
MacNeille, Stephen M.
MacNeille, Stephen M., and Holmes.
MacNeille, Stephen M., and Mihalyi.
Malm, Carl J., and Blanchard.
Malm, Carl J., and Clarke.
Mannes, Leopold D.
Martin, Louis D.
McDonald, Eugene F., Jr., and Emde.
McDowell, Wendell E.
McFarlane, John W., and Andrews.
McRae, Daniel B.
Meyer, Lester W. A., and Gearhart.
Mihalyi, Joseph.
Mihalyi, Joseph, Bing, and Craig.
Mihalyi, Joseph, and MacNeille.
Mihalyi, Joseph, and Tuttle.
Morey, Donald R., and Tichenor.
Murray, Alexander.
Murray, Alexander, and Yule.
Nagel, Hugo, and Crooks.
Porter, Henry D., and Weissberger.
- Eastman Kodak Company, assignee: *See*—Continued
Reiss, Max.
Russell, Harold D., and Crabtree.
Salminen, Ilmar F., and Weissberger.
Salo, Martin.
Salo, Martin, and Vivian.
Schade, Willy.
Sheppard, Samuel E., and Brigham.
Sheppard, Samuel E., and Houck.
Sherwood, William T.
Simmons, Arthur B., and McLeod.
Smith, William F., and Stauffer.
Staud, Cyril J.
Swan, Donald R., and Calhoun.
Switzer, Robert M.
Towne, Edmund B., Dickey, and Byers.
Turner, John R., and Byers.
Tuttle, Fordyce E.
Utermohlen, William P., Jr.
Vittum, Paul W., and Wilder.
Waugh, George P., and Kenyon.
Webb, Julian H.
Weissberger, Arnold, Kibler, and Vittum.
Weissberger, Arnold, Kibler, and Young.
Widmer, Jules A., and Carroll.
Wood, Donald L.
Young, Richard V.
Yule, John A. C.
- Eastman Oil Well Survey Company, assignee: *See*—
Carpenter, Frank C.
Miller, Leonidas C.
Schadel, Charles H.
- Easton, Robert T., and A. H. Griffith, Los Angeles, Calif. Screw thread micrometer button. 2,410,571; Nov. 5.
- Eaton, Edwin D.: *See*—
Martin, Erle, and Eaton.
- Eaton, George T.: *See*—
Crabtree, John I., and Eaton.
- Eaton, Gregory Y., Pasadena, assignor to Technical Surfaces Ltd., Los Angeles, Calif. Spectacle and eyeglass receptacle. 2,408,162; Sept. 24.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Condition responsive control system and apparatus. 2,393,599; Jan. 29.
- Eaton, John F., Tulsa, Okla., assignor to Bethlehem Steel Company. Sucker rod coupling with zinc inserts. 2,392,033; Jan. 1.
- Eaton, Lewis B., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Bag supporting device. 2,394,901; Feb. 12.
- Eaton, Lewis B., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Infusion bag. 2,406,137; Aug. 20.
- Eaton Manufacturing Company, assignee: *See*—
Findley, Howard J.
Hoern, Joseph H.
Jaeger, John H., and Findley.
Russell, Robert C.
Shaw, Clarence W.
Tallion, Charles.
Witchger, Eugene S.
- Eaton, Thomas T., Haddon Heights, N. J., assignor to Radio Corporation of America. Frequency multiplier. 2,402,385; June 18.
- Eaton, Thomas T., Haddon Heights, N. J., assignor to Radio Corporation of America. Low-frequency deflecting circuit. 2,403,510; July 9.
- Eaton, Thomas T., Haddon Heights, N. J., assignor to Radio Corporation of America. Radio system for velocity measurement. 2,408,742; Oct. 8.
- Eaton, Thomas T., Haddon Heights, and D. G. C. Luck, Merchantville, N. J., assignors to Radio Corporation of America. Amplifier for pulses. 2,401,416; June 4.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,395,401; Feb. 26.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control system. 2,400,688; May 21.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,401,680; June 4.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Valve mechanism. 2,401,681; June 4.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,404,281; July 16.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,409,842; Oct. 22.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Brake mechanism. 2,410,966; Nov. 12.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,410,967; Nov. 12.
- Ebaugh, Paul, Granville, Ohio, assignor, by mesne assignments, to Owen-Corning Fiberglas Corporation. Treating fibrous glass. 2,407,483; Sept. 10.

- Eberhard, Albert, Stuttgart-Wangen, Germany; vested in the Allen Property Custodian. Counterweight arrangement on crank drive. 2,393,029; Jan. 15.
- Eberhardt, Howard, Webster Groves, assignor to Carter Carburetor Corporation, St. Louis, Mo. Nonicing throttle valve. 2,393,760; Jan. 29.
- Eberhardt, John E.: *See—*
Dougherty, Robert S. A., and Eberhardt.
- Eberhart, Arthur H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning apparatus. 2,408,972; Oct. 8.
- Eberle, Herman R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyor. 2,407,407; Sept. 10.
- Ebers, Earl S.: *See—*
Breck, Samuel, and Ebers.
- Ebert, David M., Wilmington, Del., and A. W. Hogeland, Southampton, Pa., assignors to American Viscose Corporation, Wilmington, Del. Degassifier. 2,413,102; Dec. 24.
- Ebert, Robert: *See—*
Schorte, Herbert, and Ebert.
- Eby, Hugh H., Philadelphia, Pa., assignor to Hugh H. Eby, Inc. Contact-making wire clamp or connector. 2,405,412; Aug. 6.
- Eby, Hugh H., Inc., assignee: *See—*
Eby, Hugh H.
- Echikson, Elchanan, Maplewood, assignor to Pioneer Tool Company, Inc., Bloomfield, N. J. Cutlery. 2,410,572; Nov. 5.
- Eckel, Earle S., Washington, N. J., assignor to R. L. Skinner, Detroit, Mich. Air-inlet scoop for carburetors. 2,395,997; Mar. 5.
- Eckel, John A., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Making manganese steel sheets. 2,401,818; June 11.
- Eckenbeck, Dana C., C. L. Madden, and P. E. Slaughter, Minneapolis, Minn. Lock nut. 2,399,107; Apr. 23.
- Eckener, Erwin, New York, assignor to Aircraft Products Company, Inc., Long Island City, N. Y. Inert securing tool. 2,392,843; Jan. 15.
- Eckerman, Robert M., and C. E. Fisher, assignors to The Standard Products Company, Detroit, Mich. Periscopic vision devices. 2,400,401; May 14.
- Eckert, Clarence J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Film viewing device. 2,410,722; Nov. 5.
- Eckey, Eddy W., Wyoming, Ohio, and J. E. Taylor, Louisville, Ky., assignors to The Procter & Gamble Company, Ivorydale, Ohio. High molecular polyhydric alcohols. 2,413,612; Dec. 31.
- Eckey, Eddy W., Wyoming, Ohio, and J. E. Taylor, Boonton, N. J., assignors to The Procter & Gamble Company, Ivorydale, Ohio. High molecular polyhydric esters. 2,413,613; Dec. 31.
- Eckhard, William K., Newark, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet feeding mechanism. 2,406,006; Aug. 20.
- Eckhardt, Louis H., St. Petersburg, Fla. Baby stroller. 2,401,342; June 4.
- Eckl, Anna B., Quincy, Mass. Fracture frame strap. 2,411,417; Nov. 19.
- Eckstein, George R.: *See—*
Cutlin, John P., Eckstein, and Vordahl.
- Eckstep Moulded Products Company, assignee: *See—*
Enzman, Ralph P.
Nash, James.
- Ecoff, Roy W., assignor to The Hill Acme Company, Cleveland, Ohio. Thread cutting machine. 2,393,600; Jan. 29.
- Econo Safety Devices Inc., assignee: *See—*
O'Donnell, John R.
- Economy Baler Company, assignee: *See—*
Langford, George W., and Barrows.
- Eldberg, Per, Moss, N. W., assignor to Serval, Inc., New York, N. Y. Refrigeration. 2,399,916; May 7.
- Eddy, William H., Downers Grove, assignor to Teletype Corporation, Chicago, Ill. Projector for page printers. 2,403,269; July 2.
- Eddy, William H., Downers Grove, assignor to Teletype Corporation, Chicago, Ill. Projector for page printers. 2,403,270; July 2.
- Edelman, Berit, Brooklyn, N. Y., and A. L. Pizzi, Newark, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Article feeding apparatus. 2,394,599; Feb. 12.
- Edelman, Isador, Detroit, Mich. Ball holding and ball release mechanism. 2,403,590; July 9.
- Edelman, Walter: *See—*
McLellan, Edgar G., Fischer, and Edelman.
- Edelman, Walter R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor. 2,412,254; Dec. 10.
- Edlmann, Leo, Chicago, Ill. Thermohydrometer. 2,393,522; Jan. 22.
- Edlmann, Leo, Chicago, Ill. Thermohydrometer. 2,393,523; Jan. 22.
- Ederer, R. J., Company, assignee: *See—*
Grabowky, Murray G.
- Edgar, David: *See—*
Knowlton, Cutler D., and Edgar.
- Edgar, Donald E., Westport, and D. J. Sullivan, Fairfield, Conn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Semiconductor composition. 2,408,416; Oct. 1.
- Edger, William S. W., Jr., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph repeater. 2,394,538; Feb. 12.
- Edge, Dexter, Gary, Ind. Production of ferrous sulphate monohydrate. 2,395,729; Feb. 26.
- Edge, Jacob, assignor to Downingtown Manufacturing Company, Downingtown, Pa. Apparatus for distributing stock to the cylinder of paper machines. 2,399,546; Apr. 30.
- Edge, Stanley H., Lincoln, England. Servo assisted means for controlling the movement of road and like vehicles. 2,392,729; Jan. 8.
- Edge, W. C., Company, assignee: *See—*
Miller, Henry.
- Edgerton, Arthur H., Rocky River, assignor to Conventen Carrier Corporation, Cleveland, Ohio. Bottle carrier. 2,404,699; July 23.
- Edgerton, Harold E., Belmont, Mass. Flash-photography method and apparatus for use with motion-picture cameras. 2,393,316; Jan. 22.
- Edgerton, Harold E., Belmont, Mass. High-speed flash-photography. 2,408,764; Oct. 8.
- Edgewater Steel Company, assignee: *See—*
Bell, David S., and Wikander.
- Edgewick Investment Co., assignee: *See—*
Foist, Louis C.
- Edins, Sam R., Abilene, Tex. Glass rack construction. 2,413,039; Dec. 24.
- Edison General Electric Appliance Company, Inc., assignee: *See—*
Berg, Leo F.
Swisher, Thomas H.
- Edison, Thomas A., Incorporated, assignee: *See—*
Gardener, Clyde B.
Kelly, Frederick G.
Sawley, Earl.
- Edmister, Wayne C., Flossmoor, and D. H. Pollock, assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion and fractionation system. 2,398,496; Apr. 16.
- Edmonds, Eugene A., assignor to Henry Vogt Machine Co., Inc., Louisville, Ky. Direct expansion chiller. 2,405,944; Aug. 20.
- Edmonds, Verne, Portland, Ore. Toy. 2,397,779; Apr. 2.
- Edmonson, Robert E., Beaumont, Tex. Necktie. 2,409,744; Oct. 22.
- Edmund, Alvin M., assignor to The Dow Chemical Company, Midland, Mich. Hygroscopic salt solutions containing arsenic inhibitors. 2,394,758; Feb. 12.
- Edmunds, Gerald H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Brass. 2,394,673; Feb. 12.
- Edmundson, William C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Brush holder for dynamoelectric machines. 2,411,990; Dec. 3.
- Edson, James O., Great Kills, N. Y., W. A. Edson, Chicago, Ill., and J. B. Maggio, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray sweep circuit. 2,412,210; Dec. 10.
- Edson, William A.: *See—*
Edson, James O. and W. A., and Maggio.
- Edstrom, Carl A., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,398,700; Apr. 16.
- Edstrom, Carl A., Chicago, Ill., assignor to American Steel Foundries. Snubber. 2,403,352; July 2.
- Edwards, Baden J., assignor to Pye Limited, Cambridge, England. Electron discharge device. 2,399,429; Apr. 30.
- Edwards, Beryl A., and B. G. Duer, assignors to Zephyr-Wayne Company, Decatur, Ill. Pump. 2,396,319; Mar. 12.
- Edwards, Carlos: *See—*
Schmidt, Gerardo.
- Edwards, Charles R., Houston, Tex. Recovering elements from well bores. 2,394,759; Feb. 12.
- Edwards and Company, Inc., assignee: *See—*
Fish, George R.
- Edwards, Edward: *See—*
Sommer, Kurt, Maca, Edwards, and Budig.
- Edwards, George B., Runcorn, England, assignor to Imperial Chemical Industries Limited. Manufacture of alkali hydroxides and apparatus for carrying out reactions. 2,392,235; Jan. 1.
- Edwards, George B., Runcorn, England, assignor to Imperial Chemical Industries Limited. Manufacture of alkali hydroxides and apparatus for carrying out reactions. 2,392,236; Jan. 1.
- Edwards, Harry D.: *See—*
Kendall, John D., and Edwards.
- Edwards, Harvey C., Hartford, Ill. Roofing fastener. 2,402,318; June 18.
- Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Governor. 2,401,558; June 4.
- Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Resilient drive gearing. 2,407,144; Sept. 3.
- Edwards, Gilbert E.: *See—*
Blunk, Gene D., and Edwards.

- Edwards, Howard C., Zanesville, assignor of ten per cent to L. E. Marks, and thirty-three and one-half per cent to E. S. Marks, Cincinnati, Ohio, trustee, Draft reculating apparatus for coal burning furnaces. 2,396,777; Mar. 19.
- Edwards, James H., London, England, assignor to The Goss Printing Press Company, Chicago, Ill. Delivery mechanism for printing machines. 2,403,062; July 2.
- Edwards, John H. See—
- Anderson, Peter A. and E. M., Sr., Hansen, and Edwards.
- Edwards, Martin A., Scotia, N. Y., assignor to General Electric Company. Power system. 2,393,619; Jan. 29.
- Edwards, Martin A., Scotia, N. Y., assignor to General Electric Company. Aircraft supercharger arrangement. 2,405,413; Aug. 6.
- Edwards, Martin A., Scotia, D. E. Garr, Schenectady, and J. C. Aydelott, Erie, Pa., assignors to General Electric Company. Electric power system. 2,393,613; Jan. 29.
- Edwards, Martin A., Scotia, and C. F. Byrum, Schenectady, N. Y., assignors to General Electric Company. Turret control system. 2,410,723; Nov. 5.
- Edwards, Miles L., Longview, Wash. Foam reducer. 2,401,469; June 4.
- Edwards, Miles L., and D. K. MacBain, Longview, and L. M. Johnson, Everett, assignors to Weyerhaeuser Timber Company, Longview, Wash. Log barking apparatus. 2,395,978; Feb. 5.
- Edwards, Miles L., and D. K. MacBain, Longview, and L. M. Johnson, Everett, assignors to Weyerhaeuser Timber Company, Longview, Wash. Log barking apparatus. 2,396,255; Mar. 12.
- Edwards, Paul G., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Order wire circuit for carrier transmission systems. 2,395,540; Feb. 26.
- Edwards, Paul G., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing circuit. 2,399,213; Apr. 30.
- Edwards, Paul W. See—
- Eskeu, Roderick K., and Edwards.
- Edwards, Raymond W. See—
- Bolas, John T., Edwards, and Latty.
- Edwards, Richard P., Webster Groves, Mo. Strike plate or door latch keeper. 2,412,497; Dec. 10.
- Edwards, Roy E., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Wire brush for use in oil wells. 2,412,876; Dec. 10.
- Edwards, William C., Jr., and R. P. Elam, Dayton, Ohio. Straightening press for aircraft propellers and the like. 2,393,317; Jan. 22.
- Edwards, William E., Jr. See—
- Maxwell, Homer B., and Edwards.
- Edwards, William H., Fort Monmouth, N. J., and M. S. Richardson, Wickford, R. I., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone. 2,410,434; Nov. 5.
- Eek, Albin C., Webster Groves, Mo., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole-molding machine. 2,397,998; Apr. 2.
- Een, Johannes B., Oslo, Norway; vested in the Alien Property Custodian. Reinforced door of wood and/or insulating material. 2,399,666; May 7.
- Efstathiou, Theofanis, Bronx, N. Y. Parachute. 2,396,092; Mar. 5.
- Egan, Charles M., La Mesa, and C. H. Ledford, National City, Calif. Electric arc welding handle. 2,397,252; Mar. 26.
- Egan, Francis A., Mount Lebanon, assignor to Superior Steel Corporation, Pittsburgh, Pa. Treatment of bi-metallic billets. 2,409,422; Oct. 15.
- Egan, John F., assignor to Eastman Kodak Company, Rochester, N. Y. Control for photographic copying apparatus. 2,403,711; July 9.
- Egedal, Lawrence E., Milwaukee, Wis. Grain processing machine. 2,405,561; Aug. 13.
- Eger, Ernst, Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y. Making puncture sealing material. 2,401,625; June 4.
- Eger, Ernst, Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y. Forming tanks. 2,401,626; June 4.
- Eger, Ernst, Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y. Puncture sealing gas tank. 2,401,627; June 4.
- Eggenberger, Hans. See—
- Von Allmen, Samuel, and Eggenberger.
- Eggenberger, Arlo R., Chicago, Ill., assignor to American Telephone and Telegraph Company. Teletypewriter control system. 2,397,848; Apr. 2.
- Egger, Edwin F., Seattle, Wash. Bucking device. 2,396,413; Mar. 12.
- Eggert, Ronald E., Burbank, Calif., assignor to Adel Precision Products Corp. Nut for threadless studs and the like. 2,393,030; Jan. 15.
- Eggert, Ronald E., Burbank, Calif., assignor to Adel Precision Products Corp. Spring nut. 2,396,835; Mar. 19.
- Eggert, Ronald E., Burbank, Calif., assignor to Adel Precision Products Corp. Lock nut. 2,397,251; Mar. 26.
- Eggert, Ronald E., Burbank, Calif., assignor to Adel Precision Products Corp. Sheet metal nut. 2,410,968; Nov. 12.
- Egli, Huldreich, Baltimore, Md. Process and apparatus for pasteurizing milk. 2,411,681; Nov. 26.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of styrene. 2,402,243; July 18.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of hydrocarbon. 2,402,807; June 25.
- Egry Register Company, The, assignee: See—
- Pfeiffer, William C.
- Ritzert, Robert W.
- Wyrick, Clayton E.
- Ehmann, George C., Jr., Edgewood, Pa., assignor to Carnegie-Illinois Steel Corporation. Billet severing apparatus. 2,405,945; Aug. 20.
- Ehlers, George M., and R. R. Roup, assignors to Globe-Union Inc., Milwaukee, Wis. Electric capacitor and dielectric for same. 2,395,088; Apr. 8.
- Ehmann, Leslie G., assignor to Electric Steel Foundry Company, Portland, Oreg. Hammer for impact crushers. 2,404,775; July 30.
- Einhorn, Victor C., Chicago, Ill. Ladder bracket. 2,407,541; Sept. 10.
- Ehrenberg, Gustave, Philadelphia, Pa. Automobile. 2,393,623; Jan. 29.
- Ehrenhaft, Franz F., Forest Hills, N. Y. Shrinkage compensating means. 2,397,730; Apr. 2.
- Ehrhardt, William, Bronx, N. Y. Tobacco pipe juice absorber. 2,407,484; Sept. 10.
- Ehrke, Louis F. See—
- Slack, Charles M., Ehrke, and Dawley.
- Ehrlich, Walter A. See—
- Gladfelter, Willie L., and Ehrlich.
- Ehrlich, William, Fox River, Ill. Cover holding band for pipes and the like. 2,404,776; July 30.
- Elchelman, William H., Berwyn, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Driller. 2,412,211; Dec. 10.
- Eickmann, Olin J. See—
- Carlson, Harold A., and Eickmann.
- Eidmann, Ethel L., executrix: See—
- Engel, George C., Lynch, and Eidmann.
- Eidmann, Frank L. See—
- Engel, George C., Lynch, and Eidmann.
- Eidmann, Frank L., Princeton, and G. C. Engel, Ridge-wood, N. J., assignors to General Time Instruments Corporation, New York, N. Y. Time recorder. 2,393,761; Jan. 29.
- Eifel, Joseph, Chicago, Ill. Place marker for books and the like. 2,408,974; Oct. 8.
- Eigenbrodt, Hubert O., assignee: See—
- Pehrson, Nils H. S.
- Eiland, Odus C. See—
- Dunn, Albert, and Eiland.
- Eilenberger, Stanley D., assignor, by mesne assignments, of sixty-five per cent to S. E. Steen, Kenosha, Wis., seventeen and one-half per cent to L. G. Voorhees, Macedonia, Ohio, and seventeen and one-half per cent to H. W. Taft, Balboa Heights, C. Z. Signaling by sub-modulation. 2,410,275; Oct. 29.
- Eilenberger, Stanley D., assignor, by mesne assignments, of sixty-five per cent to S. E. Steen, Kenosha, Wis., seventeen and one-half per cent to L. G. Voorhees, Macedonia, Ohio, and seventeen and one-half per cent to H. W. Taft, Balboa Heights, C. Z. Secret communication system. 2,410,276; Oct. 29.
- Eilerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Proteinous plastics. 2,412,327; Dec. 10.
- Eilersgaard, Asger, Los Angeles, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Device for supporting packaged articles and the like. 2,395,176; Feb. 19.
- Elmco Corporation, The, assignee: See—
- Kurz, Frederick E.
- Elson-Freeman Co., Inc., assignee: See—
- Horr, John V.
- Elmick, Henry, assignor to Stemar Displays Company, Chicago, Ill. Bookbinding. 2,400,744; May 21.
- Eisele, Chester W., Harvey, Ill. Plug gauge. 2,392,317; Jan. 8.
- Eisele, Karl, Belleville, N. J., assignor to Camloc Fastener Corporation, New York, N. Y. Fastener. 2,406,007; Aug. 20.
- Eisemann Corporation, assignee: See—
- Scott, Lloyd H.
- Tabb, Warner T.
- Eisenberg, Ben, Brooklyn, assignor to Lektra Laboratories, Inc., New York, N. Y. Timing control circuit. 2,396,497; Mar. 12.
- Eisenberg, Harry: See—
- Roseman, Reuben, and Eisenberg.
- Eisenman, William: See—
- Solander, Newell, and Eisenman.
- Eisler, Charles, South Orange, N. J. Driving means for glass forming machines. 2,409,423; Oct. 15.
- Eisler, Charles, South Orange, N. J. Tube cracking machine. 2,410,931; Nov. 12.
- Eisler, Joseph D., and J. A. Sharpe, Los Angeles, Calif., assignors, by mesne assignments, to Stanolind Oil and Gas Company, Tulsa, Okla. Recording system in seismic surveying. 2,394,990; Feb. 19.

- Eisner, Abner: *See*—
Woodward, Charles F., Eisner, and Haines.
- Eitel-McCullough, Inc., assignee: *See*—
Becker, George A.
Drieschman, Donald F., Shepherd, Rabinowitz,
Newhall, and Sorg.
Eitel, William W.
Eitel, William W. and McCullough.
McCullough, Jack A.
Murdock, Clayton E.
Norton, Robert L.
Pierri, Louis N.
- Eitel, William W., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Ignition system. 2,402,539; June 25.
- Eitel, William W., San Bruno, and J. A. McCullough, Milbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electrode. 2,393,459; Jan. 22.
- Eitel, William W. and J. A. McCullough, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Thermionic tube. 2,400,080; May 14.
- Eitel, William W. and J. A. McCullough, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Thermionic tube. 2,400,081; May 14.
- Eitel, William W., San Bruno, and J. A. McCullough, Milbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electronic tube. 2,400,082; May 14.
- Eitel, William W., San Bruno, and J. A. McCullough, Milbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Making tubes. 2,400,635; May 21.
- Eitel, William W., San Bruno, and J. A. McCullough, Milbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electronic tube. 2,401,059; May 23.
- Eitel, William W., San Bruno, and J. A. McCullough, Milbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electronic tube. 2,402,319; June 18.
- Ekco Products Company, assignee: *See*—
Chandler, James H.
- Eklund, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam structure. 2,398,497; Apr. 16.
- Eklund, Carl O., North Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cutting tool. 2,399,077; May 7.
- Eklund, Howard J., assignor of one-half to E. M. Naylor, and one-half to Rolyan Corporation, Chicago, Ill. Rivet. 2,392,133; Jan. 1.
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Control for vehicle brakes. 2,393,031; Jan. 15.
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Rail car wheel brake. 2,393,032; Jan. 15.
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake cooling mechanism. 2,400,225; May 14.
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. a corporation of Pennsylvania. Vehicle driving mechanism. 2,401,628; June 4.
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake arrangement. 2,402,489; June 18.
- Eksergian, Carolus L., Detroit, Mich., assignor, by mesne assignments, to United States of America. Recoilless gun mechanism. 2,405,414; Aug. 6.
- Eksergian, Carolus L., Detroit, Mich., assignor, by mesne assignments, to United States of America. Rocket projectile. 2,405,415; Aug. 6.
- Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Wheel and rim organization. 2,410,573; Nov. 5.
- Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake arrangement. 2,410,574; Nov. 5.
- Eksergian, Carolus L., Detroit, Mich., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Projectile. 2,412,134; Dec. 3.
- Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake mechanism. 2,413,614; Dec. 31.
- Eksergian, Carolus L. and P. W. Gaenssle, Detroit, and E. Kaiser, Birmingham, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake. 2,399,010; Apr. 23.
- Eksergian, Carolus L., J. H. Coombes, and P. W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,402,386; June 18.
- Eksergian, Carolus L. and J. H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake arrangement. 2,405,119; Aug. 6.
- Elam, David L.: *See*—
Kamler, Ben R., and Elam.
- Elam, Richard L., assignor to Pauline E. Neulander, New York, N. Y. Parachute folding device. 2,399,993; May 7.
- Elam, Robert P.: *See*—
Edwards, William C., Jr.
- Elastic Stop Nut Corporation, assignee: *See*—
Mason, Veyne V.
- Elastic Stop Nut Corporation of America, assignee: *See*—
Elbrook, Robert L.
Hungerford, Daniel C., and Shaw.
Johnson, John E.
Mason, Veyne V.
Meyerhoff, John R.
- Elbert, Robert S., New Britain, Conn. Pump. 2,402,244; June 18.
- Elder, Charles J., Muncie, Ind., assignor to The Moore Company. Bedspring. 2,405,296; Aug. 6.
- Elder, Flint C., and A. W. Harris, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Wire drawing method. 2,413,220; Dec. 24.
- Elder, Frederick T., Mountain Lakes, N. J., and G. B. Farkas, Jackson Heights, and A. Y. Gunter, Larchmont, N. Y., assignors to American Locomotive Company, New York, N. Y. Air-cooled heat exchanger. 2,401,918; June 11.
- Elder, John D.: *See*—
McManus, Charles E., Elder, Cooke, and Dornblatt.
Patrick, Walter A., Jr., and Elder.
- Eldred, Andrew J., Grosse Pointe Farms, assignor to Autopulse Corporation, Detroit, Mich. Manifold assembly. 2,409,262; Oct. 15.
- Eldredge, Elmer B., Plymouth, Wis., assignor to Kraft Foods Company, Packaging. 2,408,616; Oct. 1.
- Eldredth, Kenneth B., Berkeley, and V. C. Davis, Piedmont, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Regenerative detonation detector. 2,404,569; July 23.
- Electric Boat Company, assignee: *See*—
Ritchie, Alexander J.
Swasey, David L.
- Electric Controller & Manufacturing Company, The, assignee: *See*—
Wright, David C., and Ward.
- Electric Household Utilities Corporation, assignee: *See*—
Gerhard, George H., and Mer.
- Electric Machinery Manufacturing Company, assignee: *See*—
Carter, William R.
- Electric & Musical Industries Limited, assignee: *See*—
Blumlein, Alan D.
Blumlein, Alan D. and White.
Broadway, Leonard F., and Bull.
Browne, Cecil O., and Hobbs.
Bull, Cabot S.
Cairns, John E. I.
Collard, John.
Cork, Edward C.
Klemperer, Otto E. H.
Percival, William S.
- Electric Railway Improvement Company, The, assignee: *See*—
Caddwell, Charles A.
- Electric Steel Foundry, assignee: *See*—
Babbitt, Daniel R., and Hewitt.
- Electric Steel Foundry Company, assignee: *See*—
Ehmann, Leslie G.
- Electric Storage Battery Company, The, assignee: *See*—
Ambruster, Cornelius.
Duddy, Joseph C.
Graf, Ernest.
Lighton, Lester E.
Murphy, Ross F.
Riggs, Harold C., and Smith.
Smith, William W.
Woodbridge, Lester J.
- Electric Tachometer Corporation, The, assignee: *See*—
Hamilton, Sam.
- Electric Wheel Company, assignee: *See*—
Richey, Clarence B.
- Electrical Engineering and Manufacturing Corporation, assignee: *See*—
Hoover, Vaino A.
- Electrical Incorporated, assignee: *See*—
Ashton, Benjamin N., and Kling.
- Electrical Products Corporation, assignee: *See*—
Cren, Harold R.
- Electromatic Corporation, The, assignee: *See*—
Beekley, Henry L., Gilbert, and Lacart.
- Electro-Chemical Engineering Corporation, assignee: *See*—
Starr, James H., and Goodnow.
- Electrographic Corporation, assignee: *See*—
Reilly, Frank E.
- Electro Manganese Corporation, assignee: *See*—
Crafts, Walter, and Chindwick.
Wannmaker, Elmer M., Cromwell, and Chamberlain.
- Electro Metallurgical Company, assignee: *See*—
Norwood, Stanley M.
- Electro-Physical Laboratories, Inc., assignee: *See*—
Traugott, Paul.
- Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.
Ashton, Benjamin N., and Barkow.
Ashton, Benjamin N., and Kling.
- Electrolux Corporation, assignee: *See*—
Beede, Arnold H.
Borkoski, Leon P.
Lofgren, Gustaf E.
Ruttkay, Paul.
Wahlberg, Eric C.

- Electrolux Pty. Limited, assignee: *See—*
Jodell, Georg E.
- Electronbeam Ltd., assignee: *See—*
Ziebolz, Herbert
- Electronic Laboratories, Incorporated, assignee: *See—*
Garstang, William W.
Garstang, William W., and Peek.
- Electronic Laboratories, Inc., assignee: *See—*
Hings, Donald L.
Mitchell, Douglas W.
- Electronic Rat Control, Inc., assignee: *See—*
Vincent, William J., and Stanton.
- Electro-Voice Manufacturing Co., Inc., assignee: *See—*
Burroughs, Louis R.
- Eler, John L.: *See—*
Kashubeck, Archwood J., Spence, and Eler.
- Elfstrom, Nils G., Fagersta, Sweden. Method in shaping a solid body against another body. 2,398,364; Apr. 16.
- Elfvig, Thore M., Nockeby, Sweden. Multilayer insulation. 2,406,815; Sept. 3.
- Elgin National Watch Company, assignee: *See—*
Barker, George E.
- Elgin Softener Corporation, assignee: *See—*
McGill, Chester T., Wessel, and Smith.
- Eli Lilly and Company, assignee: *See—*
Kharasch, Morris S.
- Elkin, Eugene M.: *See—*
Clark, Charles W., and Elkin.
Clark, Charles W., Elkin, and Waitkins.
- Elkin, Manuel H., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magneto testing apparatus. 2,396,991; Mar. 19.
- Elkins, Harvey R.: *See—*
Finkelstein, Leo.
- Elleman, Tom, Port Washington, and R. W. Johnson, Milwaukee, Wis., assignors, by mesne assignments, to The Seng Company, Chicago, Ill. Adjustable chair seat. 2,409,114; Oct. 8.
- Ellenbogen, William C., York, Pa. Tanning agents and treating hides and skins therewith. 2,408,417; Oct. 1.
- Ellerbeck, Grant C., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Apparatus for printing. 2,405,562; Aug. 13.
- Ellingboe, Ellsworth K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of hydrogen cyanide with carboxylic acid esters of alpha, beta-unsaturated alcohols. 2,397,341; Mar. 26.
- Ellingboe, Ellsworth K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiolacetic acid. 2,412,036; Dec. 3.
- Ellinger, Francis C.: *See—*
Harbert, Carl J., Ellinger, and Morris.
- Ellinwood, Herman R., Burbank, Calif., assignor to Adel Precision Products Corp. Conduit supporting clip. 2,393,033; Jan. 15.
- Ellinwood, Herman R., assignor to Adel Precision Products Corp., Burbank, Calif. Conduit supporting block. 2,396,836; Mar. 19.
- Ellinwood, Herman R., assignor to Adel Precision Products Corp., Burbank, Calif. Aircraft conduit supporting clip. 2,396,837; Mar. 19.
- Ellinwood, Herman R., assignor to Adel Precision Products Corp., Burbank, Calif. Line supporting clip. 2,396,838; Mar. 19.
- Ellinwood, Herman R., assignor to Adel Precision Products Corp., Burbank, Calif. Conduit clip fastening means. 2,397,253; Mar. 26.
- Elliot, Donald C., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fuel pumping unit. 2,413,040; Dec. 24.
- Elliot, Donald C., West Springfield, and O. H. Paul, Chicopee, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 2,405,196; Aug. 6.
- Elliot, Robert L., Winchester, Mass., and E. M. Lavor, Norfolk, Va. Pipette and making same. 2,398,737; Apr. 16.
- Elliot, William S., Miami Beach, Fla. Awning. 2,395,177; Feb. 19.
- Elliot, Albert G., Quarndon, Derby, England. Jet-propulsion apparatus for aircraft. 2,408,743; Oct. 8.
- Ellitt, Bernard V., and H. C. Price, assignors to H. C. Price Company, Bartlesville, Okla. Hydraulic internal line-up clamp. 2,408,255; Sept. 24.
- Elliot, Burr B., assignor to Isaacson Iron Works, Seattle, Wash. Apparatus for sterilizing soil. Re. 22,778; Aug. 13.
- Elliot, Carleton R., Dayton, Ohio. Flexible ammunition machine gun feed. 2,391,888; Jan. 1.
- Elliot, Charles, Carthage, Mo. Pump. 2,412,723; Dec. 17.
- Elliot Company, assignee: *See—*
Boyes, Harry, and Grabb.
McDermet, John R.
- Elliot Company, The, assignee: *See—*
Hall, Kenneth J.
- Elliot, Edwin C., Crafton, Pa., assignor to Carnegie-Illinois Steel Corporation. Structural grating. 2,404,570; July 23.
- Elliot, Francis P., Toronto, Ontario, Canada. Control system. 2,402,992; July 2.
- Elliot, Harold F., Belmont, Mass. Program-scheduling apparatus. 2,410,724; Nov. 5.
- Elliott, Harold F., Belmont, Mass. Control apparatus. 2,411,618; Nov. 26.
- Elliott, Harold F., Belmont, Mass. Control apparatus. 2,411,619; Nov. 26.
- Elliott, Harold F., Belmont, Mass. Preslector apparatus. 2,411,780; Nov. 26.
- Elliott, Harold F., Chicago, Ill. Electric control apparatus. 2,411,617; Nov. 26.
- Elliott, John S.: *See—*
Evans, Elliot A., and Elliott.
- Elliott, Raymond D., Long Beach, assignor, by mesne assignments, to Byron Jackson Co., Vernon, Calif. Gun perforator. 2,402,153; June 18.
- Elliott, Richard B., Sidney, Ohio, assignor to Robins Conveyors Incorporated, Passaic, N. J. Loading machine. 2,398,177; Apr. 9.
- Elliott, Stanley J., Forest Hills, N. Y., O. M. Hoygaard, Murray Hill, N. J., R. F. Mallina, Hastings-on-Hudson, and F. M. Thomas, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal distributor. 2,409,617; Oct. 22.
- Elliott, Thomas W.: *See—*
Lavy, Maurice M., and Elliott.
- Elliott Bay Mill Co., assignee: *See—*
Miller, William J.
Miller, William J., and Johnson.
- Ellis, Arthur L., Deep River, assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,402,742; June 25.
- Ellis, Arthur L., Deep River, Conn., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,403,913; July 16.
- Ellis, Arthur L., Deep River, Conn., assignor, by mesne assignments, to Vickers Incorporated, Detroit, Mich. Power transmission. 2,413,301; Dec. 31.
- Ellis, Charles A., Montclair, N. J., assignor to Standard Oil Development Company. Alkylation. 2,393,152; Jan. 15.
- Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Eye testing means. 2,406,596; Aug. 27.
- Ellis, Charles E., Mahwah, N. J., assignor to Sedgwick Machine Works, Inc., Poughkeepsie, N. Y. Elevator. 2,405,691; Aug. 13.
- Ellis, Clarence M., assignor of one-third to J. E. Devine, and one-third to J. M. Prentice, Lodi, Calif. Spacer for car-loaded boxes. 2,402,808; June 25.
- Ellis, Delbert, Wilkinsburg, and J. H. Aispach, Swissvale, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Line-starter cabinet. 2,393,034; Jan. 15.
- Ellis, Delbert, and J. H. Aispach, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Latchable electromagnetic contactor. 2,399,336; Apr. 30.
- Ellis, Delbert, O. L. Taylor, Wilkinsburg, and R. T. Bassett, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shockproof contactor. 2,409,115; Oct. 8.
- Ellis, Edward J., and M. S. Johnson, Chicago, Ill.; said Johnson assignor, to said Ellis. Truck side bearing. 2,394,158; Feb. 5.
- Ellis-Foster Company, assignee, et al.: *See—*
Rust, John B., and MacKenzie.
- Ellis-Foster Company, The, assignee: *See—*
Hessel, Frederick A., and Rust.
- Ellis, Frederick A., Binghamton, N. Y., assignor to N. L. Dahlander, New Milford, Pa. Ladder construction. 2,397,952; Apr. 9.
- Ellis, Frederick A., Binghamton, N. Y., assignor to N. L. Dahlander, New Milford, Pa. Ladder. 2,397,953; Apr. 9.
- Ellis, Mary E., West Allis, Wis. Applique crochet. 2,399,478; Apr. 30.
- Ellis, Robert, York, Pa. Magnetic button. 2,397,931; Apr. 9.
- Ellis, Seth P., York, Pa. Toy. 2,404,477; July 23.
- Ellis, Seth S., Waynesville, Ohio. Safety hitch for tractors. 2,398,365; Apr. 16.
- Ellis, William C., Maplewood, and A. G. Souden, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making dry rectifiers. 2,395,259; Feb. 19.
- Ellis, William C., Atlanta, Ga., and F. Thesmar, Memphis, Tenn., assignors to Southern Mills, Incorporated, Atlanta, Ga. Laundry net closure. 2,392,034; Jan. 1.
- Ellison, Warren F., Glendale, Calif. Air motor. 2,398,178; Apr. 9.
- Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication between ships. 2,406,360; Aug. 27.
- Ellwood, Walter B., New York, N. Y., and H. E. Hill, El Paso, Tex., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Jig. 2,406,008; Aug. 20.
- Ellsworth, Walter A.: *See—*
Ahrens, Robert S., and Ellsworth.
- Elmendorf, Andrew G., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,392,134; Jan. 1.
- Elmendorf, Harold J., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Improving the ductility of high-carbon-steel tempered wire. 2,394,434; Feb. 5.

- Elmer, Lloyd A., Summit, and C. A. Lovell, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording projectile. 2,406,816; Sept. 3.
- Elmer, William B., Lakewood, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch. 2,403,063; July 2.
- Elmer, William B., Lakewood, Ohio, and R. R. Rimer, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rudder control system. 2,403,064; July 2.
- Elowson, Sten, Brooklyn, N. Y., assignor to Pittsburgh Equitable meter Company, Pittsburgh, Pa. Wide range flow meter. 2,402,108; May 14.
- Elsenheimer, Charles W.: *See—*
Drechsler, Herman F., and Elsenheimer.
- Elsey, Howard M., Oakmont, and C. C. Horstman, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coating ferrous silicon magnetic material. 2,394,047; Feb. 5.
- Elston, Edward P., Bradmore, Wolverhampton, England. Garment hanger. 2,413,221; Dec. 24.
- Eltroth, George V., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio apparatus. 2,411,198; Nov. 19.
- Elvers, Roy E., Los Angeles, Calif. Revolving book shelf. 2,398,618; Feb. 26.
- Elvin, William J.: *See—*
Stahl, Elmer R., Schulte, and Elvin.
- Elvin, William J., Frostburg, Md., assignor to Celanese Corporation of America. Textile machine. 2,401,725; June 11.
- Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,394,159; Feb. 5.
- Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,403,712; July 9.
- Elwell-Parker Electric Company, The, assignee: *See—*
Draxler, John A.
- Elwert, George, Conshohocken, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft pump operating means. 2,405,878; Aug. 13.
- Elwin, Charles T., assignor to Seville Manufacturing Company, Waterbury, Conn. Handling small articles in electrolytic treatment. 2,407,145; Sept. 3.
- Embertson, Maurice A., Chicago, Ill. Sheet indexing means. 2,398,204; Apr. 9.
- Embree, Norris D., and E. M. Shantz, assignors to Distillation Products, Inc., Rochester, N. Y. Preparing substances having vitamin A activity and new vitamins products. 2,410,575; Nov. 5.
- Emde, Kurt: *See—*
McDonald, Eugene F., Jr., and Emde.
- Emde, Kurt, Itasca, Ill., assignor to Zenith Radio Corporation. Fastening means. 2,397,780; Apr. 2.
- Emerson Electric Mfg. Company, The, assignee: *See—*
Dederick, Clinton H.
- Emerson, Kenneth H., assignor, by mesne assignments, to Philco Radio Corporation, Philadelphia, Pa. Demonstration apparatus. 2,406,751; Sept. 3.
- Emerson, Richard C., Glendale, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Superregenerative receiver. 2,398,214; Apr. 9.
- Emerson, Scott, Wayland, and S. H. Waldron, Boston, Mass. Manipulative, attention-attracting device. 2,392,905; Jan. 15.
- Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newall, W. Va. Chinaware sand blasting machine. 2,393,762; Jan. 29.
- Emerson, William H., Long Beach, and D. Hering, South Gate, Calif., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,412,166; Dec. 24.
- Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company. Producing aryl methyl ketones. 2,394,574; Feb. 12.
- Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company. Producing aralkyl aldehydes. 2,397,412; Mar. 26.
- Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Nitrogenous ester. 2,399,479; Apr. 30.
- Emery, Cyril Y.: *See—*
Beal, George D., and Emery.
- Emery, Elliott G., Jr.: *See—*
Minshall, Robert J., Laudan, and Emery.
- Emery Industries, Inc., assignee: *See—*
Mayes, Lintner D., and Muckelheide.
- Stegemeyer, Lou A.
- Emigh, John H.: *See—*
Priepke, Rudolf J., Emigh, and Pike.
- Emley, Philip W., Waukegan, Ill., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Rectified current flow indicating system. 2,398,366; Apr. 16.
- Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Machine for forming plastic binders. 2,403,644; July 9.
- Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binding element. 2,407,656; Sept. 17.
- Emmert, Kenneth L.: *See—*
Hensel, Franz R., Emmert, and Wiggs.
- Emmett, Arthur D.: *See—*
Piffner, Joseph J., Binkley, Bloom, and Emmett.
- Emmett, Milton W., Los Angeles, Calif. Plier wrench. 2,397,095; Mar. 26.
- Emmitt, Frank O., Detroit, Mich. Hydraulic drive. 2,394,160; Feb. 5.
- Empire Ironer, Inc., assignee: *See—*
Getgey, John J.
- Empire Electric Brake Company, assignee: *See—*
Penrose, William F.
- Empire Electronics Corporation, assignee: *See—*
Morse, Louis R.
- Empire Products, Inc., assignee: *See—*
Getgey, John J.
- Emrich, Albert F., Valley Stream, N. Y. Shaping fixture. 2,395,469; Feb. 26.
- Emsoo Derrick & Equipment Company, assignee: *See—*
Ashton, Albert K., and Hilborn, Howard D.
- Hilborn, Howard D.
Tremolada, Guzielmo R.
Walters, William D.
- Emulsoi Corporation, The, assignee: *See—*
Epstein, Albert K., and Katzman.
Katzman, Morris.
- Enblom, John C.: *See—*
Donaldson, Frank A., and Enblom.
- Endebok, Peter, assignor to Tuihli Pump Company, Chicago, Ill. Shaft seal. 2,411,509; Nov. 26.
- Ender, Benjamin, assignor to P. S. Ender, Hokah, Minn. Material handling device. 2,412,570; Dec. 17.
- Ender, Clarence D., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del. Cseain compound. 2,401,919; June 11.
- Ender, Phyllis S., assignee: *See—*
Ender, Benjamin.
- Enderlin, Max, Madison, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier stack mounting construction. 2,408,052; Sept. 24.
- Endicott Johnson Corporation, assignee: *See—*
Moore, Harry N.
- Endless Belt Corporation, assignee: *See—*
Goepfert, Otto F.
- Enfield Rolling Mills Limited, assignee: *See—*
Sykes, John.
- Engbecht, Herman J., assignor to Bendix Aviation Corporation, North Hollywood, Calif. Tool. 2,406,320; Aug. 27.
- Engberg, Ralph E.: *See—*
Miller, Edward G., and Engberg.
- Engel, George C.: *See—*
Eidmann, Frank L., and Engel.
- Engel, George C., Ridgewood, N. J., L. S. Lynch, Jr., Flushing, N. Y., and F. L. Eidmann, deceased, by F. I. Eidmann, executrix, Princeton, N. J., assignors to General Time Instruments Corporation, New York, N. Y. Recording device. 2,392,467; Jan. 8.
- Engel, Harry C.: *See—*
Musser, David M., and Engel.
- Engel, James E., West Rochelle, N. Y. Weedless attachment for fishhooks. 2,402,320; June 18.
- Engel, Karl, Swampscott, Mass. Shoemaking. 2,412,440; Dec. 10.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation. Resolution of heterocyclic nitrogen compound mixtures. 2,404,167; July 16.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Producing esters. 2,408,744; Oct. 8.
- Engel, Karl H., West Englewood, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Separation of organic bases. 2,408,975; Oct. 8.
- Engelhaugh, Harold E.: *See—*
Gettig, Martin S., and Engelhaugh.
- Engelbrecht, Heinz-Joachim: *See—*
Henrich, Winfried, Engelbrecht, and Schirm.
- Engelbrecht, Stefan E., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical control system. 2,411,531; Nov. 26.
- Engelheart, Alexis C., Houston, Tex. Automobile sunshade. 2,405,348; Aug. 6.
- Engeljohn, Alvin F., assignor to J. K. Dromgold, Chicago, and H. A. Glenn, Oak Park, Ill. Latch construction. 2,411,197; Nov. 19.
- Engelke, Ernest F., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Organic phosphorus lubricant compositions. 2,392,468; Jan. 8.
- Engelke, Ernest F., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Refining lubricating oil stocks. 2,394,965; Feb. 12.
- Engelke, Ernest F., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Di-phosphorus esters and manufacturing. 2,403,792; July 9.
- Engelke, Ernest F., and W. V. Odell, El Dorado, Ark., assignors to Lion Oil Company. Lubricant. 2,411,032; Nov. 12.
- Engelking, Edmond H.: *See—*
Griesinger, William K., and Engelking.
- Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of substituted sulphonamides. 2,394,902; Feb. 12.

- Engeln, John H., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Rotary grinder. 2,397,849; Apr. 2.
- Engemann, Herbert H., Cleveland Heights, Ohio. Self cleaning and lubricating valve. 2,404,478; July 23.
- Engemann, Herbert H., Cleveland Heights, Ohio. Hammer slot and floating pin assembly for automatic push rods. 2,406,817; Sept. 3.
- Enger, Per Johan S., and A. Parschin, assignors to Telefon- och telegrafn. L. M. Ericsson, Stockholm, Sweden. Device for the transformation of mathematical functions. 2,402,321; June 18.
- Engert, Harry, Chicago, Ill. Latch. 2,403,065; July 2.
- Engineering Laboratories, Incorporated, assignee: See—Hayward, John T., and Cooley.
- Neufeld, Jacob.
- Engineering and Research Corporation, assignee: See—Boyd, Chester M.
- Lane, Frank B.
- England, Isaac W., Passaic, N. J., and W. F. Punte, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for interiorly inspecting opaque containers. 2,411,991; Dec. 3.
- Englander Company, Inc. The assignee: See—Dubick, Michael.
- Engle, Burr N., assignor to I. M. Engle, Los Angeles, Calif. Indenting device. 2,407,821; Sept. 17.
- Engle, Byron, Kansas City, Mo. Holster. 2,410,640; Nov. 5.
- Engle, Edgar S., Greensburg, Pa. Dispensing system. 2,401,417; June 4.
- Engle, Inga M., assignee: See—Engle, Burr N.
- Engle, Robert F.; See—Kise, Mearl.
- Engler, Fred E., Pukwana, assignor to L. G. Stransky, Mitchell, S. Dak. Burglar alarm device for automobiles. 2,402,111; June 11.
- Engler, Herman, assignor to P. Koletzko and C. A. Hands, New York, N. Y. Preparation for treating launderable fabric articles. 2,407,635; Sept. 17.
- Engler, Kyle, Fayetteville, Ark., E. L. Barger, Ames, Iowa, and A. H. Thompson, deceased, by R. G. Thompson, administratrix, assignors to Board of Trustees of the University of Arkansas, Fayetteville, Ark. Drier. 2,407,636; Sept. 17.
- English, Elaine, administratrix: See—English, Frank, and M. A.
- English Electric Company, Limited, The, assignee: See—Caldbeck, Charles J.
- Mardis, Paul L.
- Seewer, Paul W.
- English, Frank, Pasadena, and M. A. English, San Gabriel, Calif.; Elaine English, administratrix of F. English, deceased. Hoist. 2,410,777; Nov. 5.
- English, Jackson P.; See—Crossley, Moses L., and English.
- English, Jackson P., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of 4-benzyl substituted 2-sulphanilamido pyrimidines. 2,408,713; July 9.
- English, Jackson P., Stamford, Conn., J. R. Vaughan, Jr., Greenwich, and R. O. Roblin, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Triazole (d) pyrimidines and methods of preparing the same. 2,407,204; Sept. 3.
- English, John A., Trenton, N. J. Collapsible bar or the like. 2,411,620; Nov. 26.
- English, Mark A.; See—English, Frank, and M. A.
- English, William H., Seattle, Wash. Mount for telescopic sights. 2,407,977; Sept. 24.
- Enland, Leonard A., assignor to James H. Rhodes & Company, Chicago, Ill. Spongiform plastic abrasive pad and making it. 2,413,551; Dec. 31.
- Ensmann, Ralph P., assignor to Eclipse Moulded Products Company, Milwaukee, Wis. Adjustable rod guide. 2,412,498; Dec. 10.
- Engstrom, Ralph W., Lancaster, Pa., assignor to Radio Corporation of America. Photoelectric tube and manufacture. 2,413,222; Dec. 24.
- Enkur, Edward M., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure. 2,403,511; July 9.
- Ennis, George H., assignor of one-half to R. V. Funk, Long Beach, Calif. Method and apparatus for electrically coring in cased bore holes. 2,397,254; Mar. 26.
- Ennis, George H., assignor of one-half to R. V. Funk, Long Beach, Calif. Method of an apparatus for electrically determining the formation in wells. 2,397,255; Mar. 26.
- Enos, John P., Union, assignor to The Sincer Manufacturing Company, Elizabeth, N. J. Auxiliary presser-foot lifting devices. 2,392,730; Jan. 8.
- Enos, Louis H., Montclair, N. J., assignor to Curtiss-Wright Corporation. Propeller blade. 2,405,022; July 30.
- Enos, Louis H., Montclair, N. J., assignor to Curtiss-Wright Corporation. Reinforced propeller blade. 2,406,457; Aug. 27.
- Enright, Daniel J., Rochester, N. Y. Carburetor. 2,405,583; Aug. 13.
- Ensign, Elbert E.; See—Newkirk, Daniel L., and Ensign.
- Enterprise Manufacturing Company of Pennsylvania, assignee: See—Vorneck, Herbert A., Hess, and Braun.
- Enterprise Railway Equipment Company, assignee: See—Campbell, Arzyle.
- Zimmer, Albert E.
- Epelberg, Jack; See—Edwards, C. Jr., and Epelberg.
- Epstein, Edward C., Jr., and Epelberg.
- Eppenhach, Edwin G., assignee: See—Fisher, Leslie C.
- Fisher, Leslie C., and Imshaug.
- Eppenhach, Edwin G., Manhasset, and H. Imshaug, Flushing, N. Y.; said Imshaug assignor to said Eppenhach. Vertical mill. 2,403,914; July 16.
- Eppenhach, Edwin G., Manhasset, and H. Imshaug, Flushing, N. Y.; said Imshaug assignor to said Eppenhach. Adjustable mill unit. 2,412,677; Dec. 17.
- Eppier, Walter T., Cranford, and H. L. Hussen, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Forming solderless electrical conductor connections. 2,393,355; Jan. 22.
- Epstein, Albert K., and M. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Emulsions. 2,398,295; Apr. 9.
- Epstein, Albert K., and M. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Emollient compositions. 2,398,296; Apr. 9.
- Epstein, David V., Merchantville, N. J., assignor to Radio Corporation of America. Pulse-echo position indicator. 2,412,670; Dec. 17.
- Epstein, Moses P., and C. R. Barton, New York, N. Y., assignors to Industrial Rayon Corporation, Cleveland, Ohio. Method and apparatus for mounting and controlling tension of warp beams of looms. 2,413,223; Dec. 24.
- Erasmus, Martha C., Krugersdorp, Transvaal, Union of South Africa. Inspection lamp for motor vehicles and the like. 2,407,737; Sept. 17.
- Erb, George H., South Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Rotary switch. 2,406,818; Sept. 3.
- Erdle, Reiner W., assignor to Dental Research Corporation, Chicago, Ill. Ceramic article and material and coloring or shading the same. 2,406,208; Aug. 20.
- Erdman, Theodore J., assignor to The Van Brunt Manufacturing Co., Horicon, Wis. Grain drill. 2,400,745; May 21.
- Erfmeyer, Robert M., Milwaukee, Wis. Clasp for bracelets or the like. 2,401,145; May 28.
- Erickson, Alfred E., Charlotte, Mich. Bleeding instrument. 2,399,011; Apr. 23.
- Erickson, Arvid M., San Jose, and J. D. Ryan, Campbell, assignors to Barron-Gray Packing Company, San Jose, Calif. Fruit treatment. 2,408,418; Oct. 22.
- Erickson, Carl E., Kalamazoo, Mich. Carpet and rug cleaning machine. 2,407,408; Sept. 10.
- Erickson, Edwin R., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Distillation of polymerizable compounds. 2,397,653; Apr. 2.
- Erickson, George L., Hasbrouck Heights, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic signal bias correction. 2,401,343; June 4.
- Erickson, John E., East Grand Forks, Minn. Harvester. 2,408,271; July 2.
- Erickson, John E., Phoenix, Ariz. Air compressor. 2,408,765; Oct. 8.
- Ericson, Alfred G., and B. T. Anderson, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Unitary controller. 2,393,093; Jan. 15.
- Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. Re. 2,742; Apr. 9.
- Ericson, Sven H. R.; See—Minarik, Anthony, Jr., and Ericson.
- Ericsson, Gustaf G. A., assignor to A.-B. Ljussignal, Lund, Sweden. Recording apparatus. 2,409,745; Oct. 22.
- Erie Mining Company, assignee: See—De Vane, Fred D.
- Firth, Charles V.
- Eriksson, Erik E., Base Line, Mich. Recording device for automobiles. 2,408,302; Sept. 24.
- Erland, A. Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Intermittent absorption or adsorption refrigerating apparatus. 2,393,241; Jan. 22.
- Erland, A. Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Intermittent absorption or adsorption type refrigeration. 2,401,233; May 28.
- Erlenmeyer, Hans, Basle, Switzerland, assignor to Ciba Pharmaceutical Products Incorporated, Summit, N. J. 2-amino-4,5-dimethylthiazole. 2,400,689; May 21.
- Erminzer, Durward B., Maywood, Ill., assignor to International Harvester Company. Service inspection manual. 2,407,067; Sept. 3.
- Ernest, James, New York, N. Y. Auxiliary propeller for airplanes. 2,403,959; July 2.

- Ernsberger, Maurice L., Wilmington, Del., and A. S. Gregory, Camp Carson, Colo., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cellulose ester in fiber form. 2,596,165; Mar. 5.
- Ernst, Earl A., Bakersfield, Calif. Sack jigger. Re. 22,740; Apr. 2.
- Ernst, Fred, Inglewood, assignor to G. H. Hall, Los Angeles, Calif. Piston ring. 2,400,109; May 14.
- Ernst, Hans, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Sensitive control mechanism. 2,404,127; July 16.
- Ernst, Hans, D. A. Grieb, and M. Field, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Machine tool vibration dampener. 2,412,499; Dec. 10.
- Ernst, Robert C., Louisville, Ky., assignor, by mesne assignments, to General American Transportation Corporation, Chicago, Ill. Treatment of fish water. 2,403,174; July 2.
- Ernst, Walter: *See—*
- MacMillan, Howard F., Ernst, and Waldie.
- Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Control system. 2,408,303; Sept. 24.
- Ernst, Walter, Mount Gilead, Ohio, assignor to the Hydraulic Development Corp., Inc., Wilmington, Del. Hydraulic system. 2,410,869; Nov. 12.
- Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Hydraulic press system. 2,411,716; Nov. 26.
- Ertig, William F., and E. S. De Hart, assignors to Peco Manufacturing Corporation, Philadelphia, Pa. Fuse. 2,405,023; July 30.
- Erson, Erik G.: *See—*
- Stevens, Roy R., and Erson.
- Erwood Co., The, assignee: *See—*
- Erwood, Joseph and John.
- Erwood, John: *See—*
- Erwood, Joseph and John.
- Erwood, Joseph and John, assignors to The Erwood Co., Chicago, Ill. Phonograph record changer. 2,394,539; Feb. 12.
- Erwood, Joseph, and H. Holter, assignors, by mesne assignments, to J. P. Seeburg Corporation, Chicago, Ill. Multiple record phonograph. 2,397,932; Apr. 9.
- Esch, Gladden H., Dearborn, Mich. Winch. 2,404,368; July 23.
- Escoffery, Charles A., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Roughtening corp. 2,411,532; Nov. 26.
- Esdaile, Edward W., Sydney, New South Wales, Australia. Suspension for compasses and similar instruments. 2,403,354; July 2.
- Eserkahn, Theodore F.: *See—*
- Armitage, Joseph B., and Eserkahn.
- Esher, Frederick N.: *See—*
- Van Auker, Howard C., and Esher.
- Eskenazi, Alfred: *See—*
- Berger, Jacques, Eskenazi, and Helbronner.
- Eskev, Roderick K.: *See—*
- Stamberger, Paul, Eskev, and Hanselick.
- Eskev, Roderick K., Glenside, and P. W. Edwards, Philadelphia, Pa., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Recovering rubber from fleshy plants. 2,393,035; Jan. 15.
- Eskil, Rolf M., Phoenix, Ariz. Beam compass. 2,400,343; May 14.
- Eskin, Samuel G.: *See—*
- Strobel, Charles K., and Eskin.
- Eskin, Samuel G., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety control apparatus for gaseous fuel burners. 2,398,215; Apr. 9.
- Eskin, Samuel G., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Flame sensitive device. 2,412,977; Dec. 24.
- Eskin, Samuel G., and C. K. Strobel, Pittsburgh, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Safety control systems for fuel burners. 2,397,311; Mar. 26.
- Eskin, Samuel G., and C. K. Strobel, Pittsburgh, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Safety control for gaseous fuel burners. 2,406,752; Sept. 3.
- Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. High-frequency electric transmission system. 2,401,344; June 4.
- Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. Electric switch. 2,401,863; June 11.
- Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. Electrical apparatus adapted to operate at very high frequencies. 2,402,540; June 25.
- Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. Switch for high-frequency electrical oscillations. 2,404,832; July 30.
- Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. Variable impedance transformer. 2,408,745; Oct. 8.
- Esselen, Gustavus J.: *See—*
- Wilson, Frank E., Esselen, and D'Alelio.
- Essential Oil Producers, Inc., assignee: *See—*
- Nelson, Richard C.
- Essex Research Corporation, assignee: *See—*
- Heuer, Russell P.
- Essex Royalty Corporation, assignee: *See—*
- Andersen, Kurt H.
- Essick, Bryant, Los Angeles, Calif. Evaporative cooler. 2,404,479; July 23.
- Essig, Sanford F., Fort Wayne, Ind., assignor to Farmworth Television and Radio Corporation. Television control system. 2,407,485; Sept. 10.
- Esson, Edwin, assignor to Locke Stove Company, Kansas City, Mo. Stove for burning solid fuels and an ash container therefor. 2,408,921; Oct. 8.
- Esson, Edwin, assignor to Locke Stove Company, Kansas City, Mo. Stove. 2,410,576; Nov. 5.
- Esterer, Arnulf K.: *See—*
- Katz, Donald L., and Esterer.
- Esterly, Amos R.: *See—*
- Magrane, Hohn K., Esterly, and Davies.
- Estes, Donald H., Lincoln Acres, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Pokeveld gun. 2,402,775; June 18.
- Estes, Rufus B., assignor to Leland T. Coffey, Knoxville, Tenn. Occupant steered and propelled vehicle. 2,402,880; June 25.
- Esval, Orland E.: *See—*
- Beach, Lennox F., Esval, and Lane.
- Haskins, Robert, Jr., and Esval.
- Esval, Orland E., Huntington, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Transformer pick-off. 2,407,657; Sept. 17.
- Esval, Orland E., Huntington, and R. S. Curry, Jr., Baldwin, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electric discharge means for controlling position. 2,392,370; Jan. 8.
- Etched Products Corporation, assignee: *See—*
- Nowatius, Joseph.
- Etchells, Eugene B., assignor to General Motors Corporation, Detroit, Mich. Making bearings. 2,403,645; July 9.
- Eterpen, S. A.: *See—*
- Biro, Laszlo J.
- Van Spankeren, Gerardo H.
- "Eterpen" Sociedad Anonima Financiera, assignee: *See—*
- Biro, Laszlo J.
- Van Spankeren, Gerardo H.
- Ethridge, John H., assignor of one-half to V. Zitz, Seattle, Wash. Fish cage. 2,413,552; Dec. 31.
- Ethyl Corporation, assignee: *See—*
- Bartholomew, Earl.
- Heron, Sam D.
- Etten, Nicholas L., Waterloo, Iowa. Pivotal frame wringer. 2,406,066; Aug. 20.
- Etzel, Clarence, assignee: *See—*
- Brown, Glenn C.
- Etzel, Gastao, Newark, and T. E. Dillon, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making transparent camphor tablets. 2,395,321; Feb. 19.
- Euclid Road Machinery Co., The, assignee: *See—*
- Armington, Raymond Q.
- Armington, Stewart F.
- Armington, Stewart F., and Double.
- Eulenstein, Fritz, Cologne-on-the-Rhine, and A. Krus, Sturzelberg uber Neuss II, Germany; vsetid in the Allen Property Custodian. Producing iron or iron alloys. 2,401,146; May 28.
- Eureka Vacuum Cleaner Company, assignee: *See—*
- Lawton, Harvey B.
- Eureka Williams Corporation, assignee: *See—*
- Chapman, Archibald J.
- Coss, George R.
- Foley, Charles F.
- Hahn, Paul T.
- Hammell, Kemper M.
- Severance, Glen R.
- Thomas, Ray G.
- Eurit, Carl C., Tulsa, Okla. Air-cooled brake shoe. 2,406,067; Aug. 20.
- Euth, John E., Chicago, Ill., assignor to United Autographic Register Co. Stationary feeding device for typewriting machines. 2,400,226; May 14.
- Evans, Arthur G., Canton, Ill., assignor to International Harvester Company. Tractor mounted implement. 2,395,322; Feb. 19.
- Evers, Arthur J., Brooklyn, N. Y., assignor to C. B. Cottrell & Sons Company, Westervly, R. I. Sheet cutting and creasing press. 2,413,533; Dec. 31.
- Evers, Arthur J., Brooklyn, N. Y., assignor to C. B. Cottrell & Sons Company, Westervly, R. I. Sheet cutting and creasing press. 2,413,554; Dec. 31.
- Evans, Benjamin A., Cayahoga Falls, assignor to The B. F. Goodrich Company, New York, N. Y. Pressing apparatus. 2,396,042; Mar. 5.
- Evans, Cyril D., Peoria, assignor, by mesne assignments, of one-half to A. E. Staley Manufacturing Company, Decatur, Ill., and one-half to American Maise-Products Company, New York, N. Y. Modified zain products. 2,402,128; June 18.

- Evans, Cyril D., and R. H. Manley, Peoria, Ill., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Prevention of gelation of solutions or dispersions of prolamines. 2,392,084; Jan. 1.
- Evans, David J., London, assignor to E. C. D. Limited, Tonbridge, England. Dispensing apparatus. 2,396,043; Mar. 5.
- Evans, David W. T., Sutton Coldfield, assignor to T. I. (Group Services) Limited, Birmingham, England. Apparatus for dipping tubes, bars, and the like. 2,410,023; Oct. 29.
- Evans, Douglas N., Gary, Ind. Bearing seal cartridge. 2,405,120; Aug. 6.
- Evans, Elliott A., and J. S. Elliott, Beaconsfield, England. Lubricating composition. 2,396,839; Mar. 19.
- Evans, Eugene M., assignor of one-fifth to E. J. Tietjen, Jefferson City, Mo. Fluid motor. 2,412,877; Dec. 17.
- Evans, Francis C.: *See*—
Bloser, Dwight W. and Evans.
- Evans, Francis C., Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Signaling system. 2,410,814; Nov. 12.
- Evans, Francis C., Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Fixed temperature responsive device. 2,413,490; Dec. 31.
- Evans, George S., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coating cathodes. 2,411,250; Nov. 19.
- Evans, Guy J., Buffalo, N. Y. Foldable box. 2,394,850; Feb. 12.
- Evans, Guy J., Buffalo, N. Y. Folding box. 2,405,564; Aug. 13.
- Evans, Guy J., Buffalo, N. Y. Foldable box. 2,410,486; Nov. 5.
- Evans, Harold W., Wilkes-Barre, Pa. Gun mount. 2,409,618; Oct. 22.
- Evans, Hector C.: *See*—
Van Gilder, Carl F. and Evans.
- Evans, Hector C., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Oil blend. 2,411,150; Nov. 19.
- Evans, Herbert C., Ventura, Calif. Collapsible horse or support. 2,399,861; May 7.
- Evans, James W., St. Paul, Minn., assignor to General Mills, Inc., a corporation of Delaware. Nongelling starch composition. 2,400,402; May 14.
- Evans, John, Kingston, N. J., assignor to Radio Corporation of America. System for forming images of heat-radiating objects. 2,403,066; July 2.
- Evans, John, Kingston, N. J., assignor to Radio Corporation of America. Apparatus for deforming thin diaphragms. 2,403,915; July 16.
- Evans, John, Kingston, N. J., assignor to Radio Corporation of America. Pulse signaling system. 2,411,130; Nov. 12.
- Evans, John, Palmyra, N. J., assignor to Radio Corporation of America. Radio device for indicating doppler effect. 2,407,000; Sept. 3.
- Evans, John, Palmyra, N. J., assignor to Radio Corporation of America. Electric discharge device. 2,408,383; Oct. 1.
- Evans, John, Palmyra, N. J., assignor to Radio Corporation of America. Duplex radio system. 2,410,641; Nov. 5.
- Evans, John O., Jr., U. S. Army, Washington, D. C. Cartridge for guns. 2,410,435; Nov. 5.
- Evans, Lewis W., Pittsfield, Mass., assignor to General Electric Company. Electrical connector. 2,409,200; Oct. 15.
- Evans, Louis P.: *See*—
Simpson, Thomas P., Payne, and Evans.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,412,135; Dec. 3.
- Evans, Louis P., Woodbury, and E. E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,393,893; Jan. 29.
- Evans, Louis P., Woodbury, and F. E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,412,136; Dec. 3.
- Evans, Morris S., Buffalo, N. Y., and E. C. Stolberg, Glen Ridge, N. J., assignors to American Car and Foundry Company, New York, N. Y. Process and apparatus for sealing hot metal objects. 2,394,514; Feb. 5.
- Evans Products Company, assignee: *See*—
Eames, Charles.
- Evans, Ralph M., and W. T. Hanson, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Photographic tone correction mask. 2,405,739; Aug. 13.
- Evans, Randolph, Bronxville, N. Y. Bathroom unit. 2,396,992; Mar. 19.
- Evans, Theodore W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Manufacture of olefin oxides. 2,404,438; July 23.
- Evans, Theodore W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Toxic composition. 2,411,566; Nov. 26.
- Evans, Theodore W., Oakland, and D. E. Adelson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Convertible alkyl resins. 2,399,214; Apr. 30.
- Evans, Theodore W., Oakland, R. C. Morris, Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Separation of diolefins by azeotropic distillation. 2,408,922; Oct. 8.
- Evans, Theodore W., Oakland, and A. G. Cattaneo, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Motor fuels. 2,409,746; Oct. 22.
- Evans, Theodore W., Oakland, W. E. Vaughan, and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyzed abnormal addition reactions. 2,411,961; Dec. 3.
- Evans, Vern D.: *See*—
Karbach, Arthur P., Jr., and Evans.
- Evans, Wesley W., Asheboro, N. C. Bookmark. 2,394,372; Feb. 5.
- Evans, William A., Melfort, Saskatchewan, Canada. Shoe construction. 2,397,413; Mar. 26.
- Evans, William I., Los Angeles, Calif. Convertible appliance stand and service table. 2,409,348; Oct. 15.
- Evans, William J. R., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of vinyl ethers. 2,404,700; July 23.
- Evans, William J. R., Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of vinyl n-butyl ether. 2,406,874; Aug. 27.
- Evansville on the Air, Inc., assignee: *See*—
Caraway, John B.
- Even-Pul Foundations, Inc., assignee: *See*—
Rosner, Irving.
- Everet Propeller Corporation, assignee: *See*—
Hackethal, Paul F.
- Everett, Charles E., assignor to The Massey-Harris Company, Racine, Wis. Power take-off for tractors. 2,399,705; May 7.
- Everett, Earl A., assignee, et. al.: *See*—
Gerhardt, Fred P.
- Everett, Samuel J., Thornton Heath, assignor to James A. Jobling & Company Limited, Sunderland, England. Glass manufacture. 2,393,979; Feb. 6.
- Everett, Samuel J., Thornton Heath, assignor to James A. Jobling & Company Limited, Sunderland, England. Glass manufacture. 2,396,254; Mar. 12.
- Evering, Bernard L.: *See*—
D'Ouville, Edmond L., and Evering.
- Shoemaker, Bernard, and Evering.
- Evering, Bernard L., and E. L. D'Ouville, assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion system. 2,400,922; May 28.
- Evering, Bernard L., Chicago, Ill., and A. P. Lien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Desalting crude oils. 2,400,985; May 28.
- Evering, Bernard L., Chicago, Ill., E. L. D'Ouville, Pittsburgh, Pa., and D. R. Carmody, Newton, Iowa, assignors to Standard Oil Company, Chicago, Ill. Polymerization of olefins. 2,407,873; Sept. 17.
- Everley, Paul S., San Francisco, Calif. Cable clamp. 2,401,418; June 4.
- Eversharp, Inc., assignee: *See*—
Clontier, George.
- Evershed & Vignoles Limited, assignee: *See*—
Needham, John C.
- Evert, Charles W.: *See*—
Glascoff, Walter G., Jr., and Evert.
- Evert, Ralph W., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Apparatus for measuring tires. 2,408,746; Oct. 8.
- Ewald, Raymond L., and H. A. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Ore. Fruit treating machine. 2,398,780; Apr. 23.
- Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing apparatus. 2,407,542; Sept. 10.
- Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand forming apparatus. 2,409,670; Oct. 22.
- Ewart, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Mount for machine guns. 2,403,591; July 9.
- Ewbank, Walter J.: *See*—
Briggs, Southwick W., Bauer, Ewbank, and Porter.
- Eweson, Eric W., New York, N. Y. Fertilizer and making same. 2,392,811; Jan. 15.
- Eweson, Eric W., New York, N. Y. Culture of yeast. 2,401,819; June 11.
- Eweson, Eric W., New York, N. Y. Smoker's article. 2,410,487; Nov. 5.
- Ewing Development Company, assignee: *See*—
Ewing, Walkley B.
- Ewing, Esther P., New York, N. Y. Corset drying frame. 2,393,460; Jan. 22.
- Ewing, Frederick J., Pasadena, assignor to Filtral Corporation, Los Angeles, Calif. Catalysts and catalytic processes. 2,410,436; Nov. 5.
- Ewing, Frederick J., Pasadena, and R. A. Lovett, East Los Angeles, assignors to Filtral Corporation, Los Angeles, Calif. Desiccant. 2,409,263; Oct. 15.
- Ewing, John L., San Marino, assignor to General Control Co., Glendale, Calif. Reset valve. 2,395,470; Feb. 26.

- Ewing, Walkley B., Frankfort, assignor to Ewing Development Company, Bay City, Mich. Machine for making sun screens. 2,405,197; Aug. 6.
- Ewing, Walkley B., Frankfort, assignor to Ewing Development Company, Bay City, Mich. Means for controlling advancement of stock. 2,405,198; Aug. 6.
- Ewins, Arthur J., Romford, assignor to May & Baker Limited, Dagenham, England. Diamidines. 2,395,471; Feb. 26.
- Exact Weight Scale Company, The, assignee: *See—*
Pounds, Richard
- Excel Auto Radiator Company, assignee: *See—*
Briskin, Theodore S., Zivny, Schellschmidt, and Gollick
- Excell, Arthur W.: *See—*
Thomas, Arthur, and Excell
- Ex-Cell-Lo Corporation, assignee: *See—*
Alden, Carroll R.
Archer, Charles E.
Dare, Curtis T.
Eichelmann, William H.
Freisen, Edward C.
Gilbert, Harold H.
Markstrum, John A.
Mathys, Max A.
Oakley, Sterling A.
Palmer, Jacob H.
Russell, George L.
Schantz, John J.
Seines, Alf K.
Seyferth, Harold N.
Wellstein, Wilhelm
- Exercycle Corporation, assignee: *See—*
Bergfors, Gordon
- Exeter Brass Company, The, assignee: *See—*
Wentworth, Frank E.
- Exhibit Supply Company, The, assignee: *See—*
Solinski, Charles A.
- Exner, Donald W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic synchronizing system. 2,392,469; Jan. 8.
- Expanded Rubber Company Limited, assignee: *See—*
Cooper, Alfred, and Partington
- Eyerle Specialty Company, The, assignee: *See—*
Book, Charles R.
- Eyles, Thomas H., assignor to Fosgood Corporation, Leominster, Mass. Toggle system for injection molding machines. 2,407,978; Sept. 24.
- Eynon, Thomas M., Philadelphia, Pa. Exercising device. 2,405,924; July 30.
- Eyre, Charles M. Le G., and J. O. Gilderdale, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Frequency changing network. 2,408,053; Sept. 24.
- Eysenbach, John W.: *See—*
Walton, William T., and Eysenbach
- F & H Manufacturing Company, assignee: *See—*
Clark, Hiram S. and Head
- F. N. P. Limited, assignee: *See—*
Donisthorpe, Henry W.
Pool, Robert
- Fabian, Charles R., Toledo, Ohio. Aircraft landing runway. 2,405,092; July 26.
- Fabia, Mannel A. G.: *See—*
Clausen, Heriberto E. G. J., and Fabia
- Fabrilhus, Emil, assignee: *See—*
Lewenstein, Alfons
- Fagan, Christopher P., Danbury, England, assignor to Radio Corporation of America. Coating surfaces with powder. 2,407,146; Sept. 3.
- Fagin, Joseph S., Los Angeles, Calif. Floor furnace. 2,410,488; Nov. 5.
- Fagot, Walter C., Schenectady, N. Y. Wrench. 2,395,541; Feb. 26.
- Fagen, William F.: *See—*
Farr Willard H., and Fagen
- Fagot, Louis J., assignee: *See—*
Cole, Richard R.
- Fagot, William L., assignor to Twin Coach Company, Kent, Ohio. Vehicle suspension. 2,404,794; July 30.
- Fagnant, John A.: *See—*
Maxson, Walter L., Fagnant, and Baxa
- Fahlstedt, Curt H., Stockholm, Sweden. Index. 2,401,060; May 28.
- Fahnestock, Frank C., Haddonfield, N. J., and W. A. Hagenbaurer, Haddonfield Township, Delaware County, Pa., assignors to Socomy-Vacuum Oil Company, Incorporated. Making acid reagents. 2,407,823; Sept. 17.
- Fahrenwald, Arthur W., Moscow, Idaho. Flotation machine. 2,406,532; Aug. 27.
- Fahrney, Delmer S., U. S. Navy, Chevy Chase, Md. Glider. 2,399,215; Apr. 30.
- Fahrney, Delmer S., U. S. Navy. Flying aircraft carrier. 2,399,216; Apr. 30.
- Fahrney, Delmer S., U. S. Navy. Airplane carrier glider. 2,399,217; Apr. 30.
- Fails, George T.: *See—*
Klinear, Reginald A., Chamberlain, McCann, Fails, and Gordon
- Fair, William F., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Bituminous composition and manufacturing the same. 2,395,041; Feb. 19.
- Fair, William F., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Bituminous paint composition. 2,395,853; Mar. 5.
- Fair, William F., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Bituminous flashing cement for cold application. 2,396,690; Mar. 19.
- Fairbank, Murry N., Weston, and D. P. Cooper, Jr., assignors to Polaroid Corporation, Cambridge, Mass. Mold for use in the manufacture of optical elements. 2,406,361; Aug. 27.
- Fairbanks, Morse & Co., assignee: *See—*
Anderson, Gordon R.
Gebert, Sever C.
Hobart, Franklin G.
Kuttner, Julius
Schott, Rudolph D.
Schreck, Henry
- Fairchild Camera and Instrument Corporation: *See—*
Roters, Herbert C.
- Fairchild Camera and Instrument Corporation, assignee: *See—*
Doyle, Irving W., and Hale.
Doyle, Irving W., Nash and Stellwagen.
Doyle, Irving W., and White.
Moore, David W. Jr.
Roters, Herbert C.
- Fairchild Engine and Airplane Corporation, assignee: *See—*
De Pew, Chester C.
Gregory, Alfred P.
Zapp, Frederick M.
- Fairchild, Polley & Eliel, Inc., assignee: *See—*
Wills, John A., and Wheaton
- Fairchild, Sherman M., New York, N. Y., assignor, by mesne assignments, to William B. Scarborough, Englewood, N. J., trustee. Structural unit and making structures therewith. 2,392,844; Jan. 15.
- Fairey Aviation Company Limited, The, assignee: *See—*
Forsyth, Archibald G.
- Fairfield Manufacturing Company, assignee: *See—*
Boor, Francis H.
- Fairley, Herbert C., Pacific Grove, Calif. Electric roller iron. 2,401,820; June 11.
- Faith, Herman E., Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. Production of methyl formylchloacetate. 2,405,820; Aug. 13.
- Faibin, Edgar, Hackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Coated hygroscopic salts. 2,413,491; Dec. 31.
- Falcetti, Steve, Forest Hills, N. Y. Garment hanger and garment suspender device. 2,398,338; Apr. 9.
- Falco, Louis A., assignor to The Dextone Company, New Haven, Conn. Bathtub. 2,407,738; Sept. 17.
- Falconer, Kenneth A., Auburn, Mass. Method and apparatus for applying asbestos to wire. 2,410,815; Nov. 12.
- Falese, Floyd, Carpentersville, Ill. Leather cleaning or deglazing machine. 2,392,237; Jan. 1.
- Falze, Robert N., G. W. Onksen, Jr., and W. R. Goris, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Black-out headlamp. 2,403,646; July 9.
- Falk Corporation, The, assignee: *See—*
Bade, Alfred G.
- Falk, George E., Silver Spring, Md., assignor to the United States of America, as represented by the Secretary of the Navy. Battery removing tool. 2,395,998; Mar. 5.
- Falk, Irvin V., Union, N. J., assignor to Reeves Pulley Company, Columbus, Ohio. Propeller governor tester. 2,410,155; Oct. 29.
- Falk, Irvin M., assignor to The Nu Pocket Method Co., Philadelphia, Pa. Pocket construction for trousers. 2,409,025; Oct. 8.
- Falk, Marcus, Boston, Mass. Propelling device. 2,404,044; July 16.
- Falk, Morris Leomuster, assignor to Independent Lock Company, Fitchburg, Mass. Spindle lock. 2,400,403; May 14.
- Falk, Morris, Leomuster, assignor to Independent Lock Company, Fitchburg, Mass. Door latch operating mechanism. 2,401,559; June 4.
- Falk, Morris Leomuster, assignor to Independent Lock Company, Fitchburg, Mass. Laminated lock. 2,409,424; Oct. 15.
- Falkenberg, Douglas R., Lakewood, Ohio. Drapery mounting. 2,409,425; Oct. 15.
- Falkenstein, Ruth H., Jefferson Township, Allegheny County, Pa. Folding work stand. 2,392,584; Jan. 8.
- Falla, Fernando, Maplewood, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Steam generator. 2,402,993; July 2.
- Fallert, Clifford D., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,393,356; Jan. 22.
- Fallesen, George E. and J. A. Leermakers, assignors to Eastman Kodak Company, Rochester, N. Y. Salicylamide antifoggant. 2,393,763; Jan. 29.

- Fallesen, George E., and J. A. Leermakers, assignors to Eastman Kodak Company, Rochester, N. Y. Substituted acid amide antifogants. 2,394,000; Feb. 12.
- Fallon, John, Smithwick, England. Conveyor mechanism for furnaces and other apparatus. 2,412,724; Dec. 17.
- Fancher, Robert N. Springfield, Mo. Quilting frame. 2,408,205; Sept. 24.
- Fanelli, Rocco; *See—*
- Bacon, Raymond F., and Fanelli.
- Fankhaed, James V., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Cap. 2,392,238; Jan. 1.
- Fankuchen, Isidor, Brooklyn, N. Y. Orientation of crystals. 2,392,528; Jan. 8.
- Fant, William, Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Control for fluid pressure power devices. 2,393,524; Jan. 22.
- Farber, Edward; *See—*
- Wallerstein, James S., Farber, and Dayton.
- Farber, S. W., Inc., assignee; *See—*
- For, Hoyt E.
- Farbolf Paint Company, Inc., assignee; *See—*
- Swartz, Milton D., and Yellott.
- Farfan, Fernand T., Port-of-Spain, Trinidad. Grinding mill. 2,394,048; Feb. 5.
- Farfuch, Nicholas T., Wilmington, and W. J. Kirkpatrick, Marshalltown assignors to Hercules Powder Company, Wilmington, Del. Terpene separation. 2,393,894; Jan. 29.
- Farris, Harold P., Philadelphia, Pa., and J. E. White, Trenton, N. J. assignors to National Automotive Fibres, Inc., Detroit, Mich. Sifting device. 2,392,812; Jan. 15.
- Farris, Harold P., Philadelphia, Pa., and J. E. White, Trenton, N. J. assignors to National Automotive Fibres, Inc., Detroit, Mich. Tension device for sheet material. 2,398,822; Apr. 23.
- Farkas, Adalbert, and A. F. Stribley, Jr., Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Oxidation. 2,410,642; Nov. 5.
- Farkas, George B.; *See—*
- Elder, Frederick T., Farkas, and Gunter.
- Farkas, George B., Jackson Heights, assignor to American Locomotive Company, New York, N. Y. Constant load-supporting device. 2,395,730; Feb. 26.
- Farley, Brian, Coolahab, Yenda, New South Wales, Australia. Delineing machine. 2,410,869; Nov. 12.
- Farley & Loetscher Manufacturing Company, assignee; *See—*
- Loetscher, John A.
- Triller, Benjamin J.
- Farlow, Mark W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alkyl-substituted thiols. 2,401,234; May 28.
- Farlow, Mark W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process. 2,406,362; Aug. 27.
- Farlow, Mark W., and W. A. Lazier, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,402,541; June 25.
- Farlow, Mark W., and F. K. Signalgo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing thiols. 2,402,613; June 25.
- Farlow, Mark W., and F. K. Signalgo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process. 2,402,614; June 25.
- Farlow, Mark W., and F. K. Signalgo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process and products. 2,402,615; June 25.
- Farmer, Earl W., Wayzata, Minn. Construction toy element. 2,410,409; Nov. 5.
- Farmer, Edward B., Newton, and E. L. Lawson, Allston, assignors to General Control Company, Boston, Mass. Electric switch. 2,411,086; Nov. 12.
- Farmer, Harold C., Reesmont, Pa., and S. T. Powell, Baltimore, Md. Treatment of boiler water. 2,395,260; Feb. 19.
- Farmer, Harold O., assignor to Alan Muntz & Company Limited, Hounslow, England. Nonreturn valve. 2,408,056; Sept. 24.
- Farmer, Harold O., assignor to Alan Muntz & Company Limited, Hounslow, England. Internal-combustion engine of the free piston type. 2,408,057; Sept. 24.
- Farness, Albert H., assignee, et al.; *See—*
- Henjum, Gerald J.
- Farnsworth, Fordyce B.; *See—*
- Doster, Howard C., E. Henjum, and Farnsworth.
- Farnsworth Television and Radio Corporation, assignee; *See—*
- Bielski, Alex J., and Luckock.
- Brown, William T.
- Buckee, John A.
- Cawein, Madison.
- Essig, Sanford F.
- Hallmark, Clyde E.
- Halstead, William S.
- Halstead, William S., and Lord.
- Kibler, Paul J.
- Mayle, Louis F.
- Meyer, Raymond E.
- Rasley, Donald R.
- Schantz, Joseph D.
- Weaver, Jerald D.
- Farr, Henry O. Jr., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Coating material. 2,392,135; Jan. 1.
- Farr, Henry V., Ferguson, Mo., and J. R. Ruheff, Bronxville, N. Y. assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Ammonium thiosulfate. 2,412,607; Dec. 17.
- Farr, James A.; *See—*
- Pratt, Carl D., and Farr.
- Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Finned cylinder. 2,393,036; Jan. 15.
- Farr, Walton H., Grosse Pointe Farms, Mich., assignor, by mesne assignments, to United States of America, as represented by the Secretary of War. Projectile. 2,402,509; June 25.
- Farr, Warren H., Detroit, Mich., and J. P. Tarbox, assignors to Budd Wheel Company, Philadelphia, Pa. Heat transfer means. 2,401,235; May 28.
- Farr, Willard H., and W. P. Fagen, assignors to Stewart-Warner Corporation, Chicago, Ill. Gas detection apparatus. 2,400,923; May 28.
- Farr, William W., Grosse Pointe Park, Mich., assignor, by mesne assignments, to United States of America. Self-propelling projectile. 2,398,927; Apr. 23.
- Farr, William W., Grosse Pointe Farms, Mich., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War. Reaction propulsion device. 2,398,928; Apr. 23.
- Farrall, Arthur W., Wilmette, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Butter manufacture. 2,406,819; Sept. 3.
- Farrance, Harry P., Jersey City, N. J., assignor to Westinghouse Electric Company, Incorporated, New York, N. Y. Measuring device. 2,399,012; Apr. 23.
- Farrance, Harry P., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring apparatus. 2,401,920; June 11.
- Farrall, Arthur W., assignor to Chicago Metal Hose Corporation, Maywood, Ill. Shipping apparatus for tubelike articles. 2,402,490; June 18.
- Farrel-Birmingham Company, Incorporated, assignee; *See—*
- Winslow, Albert E.
- Farrell, Eugene P.; *See—*
- Neumann, George R., and Farrell.
- Farrell, Francis J., Philadelphia, Pa., assignor, by mesne assignments, to M. and G. A. Lindabury, trading as H. R. Lindabury and Sons and New Jersey Fence Company, Burlington, N. J. Composition of matter for making road markers, laying doors, and the like. 2,393,525; Jan. 22.
- Farrell, James K.; *See—*
- Julien, Arlie P., and Farrell.
- Farrell, James K., assignor to Hercules Powder Company, Wilmington, Del. Preparing a dry size. 2,411,824; Nov. 26.
- Farrell, John D., assignor to The Foote Company, Inc., Nunda, N. Y. Rince structure. 2,413,302; Dec. 31.
- Farrell, Robert W., New York, N. Y. Film viewing device. 2,408,384; Oct. 1.
- Farrell, William, Philadelphia, Pa. Electric machine. 2,394,296; Feb. 5.
- Farrell, William P., Rosedale, assignor to Universal Lubricating Systems, Inc., Oakmont, Pa. Lubricant-carrying means. 2,397,342; Mar. 26.
- Farries, Jack D., Petersburg, Va. Non-friction bearing ball dispenser. 2,407,409; Sept. 10.
- Farrington, John F., Tilton, N. H., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Electronic switch. 2,413,410; Dec. 31.
- Farrington, Robert K.; *See—*
- Farrington, Thayer B., Keller, and Farrington.
- Farrington, Thayer B., Cleveland Heights, W. T. Keller, Cleveland, and R. K. Farrington, Cleveland Heights, assignors to The Thompson Electric Company, Cleveland, Ohio. Lamp supporting means. 2,403,353; July 2.
- Farris, Emil M., Wayne, Pa. Luminous marker for airports. 2,410,277; Oct. 29.
- Farris, Riley F., and J. B. Clark, assignors to Stanolind Oil and Gas Company, Tulsa, Oklahoma. Water locating system. 2,410,275; Oct. 29.
- Fashion Curtain Company, The; *See—*
- Krauss, Phillip.
- Fashion Frocks, Inc., assignee; *See—*
- Skinner, Charles W.
- Fassold, George A., Mount Healthy, and H. W. Greider, assignors to The Philip Carey Manufacturing Company. Bituminous roofing material. 2,392,239; Jan. 1.
- Fassiotto, Attilio A., and G. W. Strunk, Joliet, Ill., assignors to The Ruberoid Co., New York, N. Y. Making thick butt shingles. 2,400,746; May 21.
- Fast, John E., & Co., assignee; *See—*
- Kile, Eugene M., and Kain.
- Fast, Marion; *See—*
- Firth, David, and Fast.
- Fast, Marion L., South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Clutch. 2,397,414; Mar. 26.
- Fast, Ralph E., Glendale, Calif. Display rack. 2,399,337; Apr. 30.

- Fatland, Conrad, Chicago, Ill. Dust mop. 2,408,766; Oct. 8.
- Faubion, Roy M., El Reno, Okla. Fruit jar holder. 2,401,470; June 4.
- Faucette, Beale J., New York, N. Y., assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knit hosiery and making same. 2,396,166; Mar. 5.
- Faulk, Wendell E.: *See*—
Blair, George W., Schott, and Faulk.
- Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Electric pickup. 2,406,597; Aug. 27.
- Fausek, Arthur J. and I. F., Clayton, Mo. Heat exchanger. 2,402,881; June 25.
- Fausek, Irving F.: *See*—
Fausek, Arthur J. and I. F.
- Faust, Charles L., assignor to Battelle Memorial Institute, Columbus, Ohio. Anodically polishing brass. 2,407,543; Sept. 30.
- Faust, Clifford E.: *See*—
Fechter, Ernest, and Faust.
- Faust, Jacob, Belleville, N. J., assignor to L. Sonnenborn Sons, Inc. Substantially oil soluble polyalkyl aromatic sulfonates. 2,409,671; Oct. 22.
- Faust, John A.: *See*—
Sabyon, Melville, and Faust.
- Faust, William S. and H. J. Lavo, Williamsport, Pa., assignors to The Aviation Corporation, New York, N. Y. Fluid pressure gauge. 2,405,199; Aug. 6.
- Fausz, William H., Newport, Ky. Instant release means for parachutes. 2,406,209; Aug. 20.
- Favor, T. J., assignee, et al.: *See*—
Humason, Granville A.
- Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Electromagnetic relay device. 2,410,279; Oct. 29.
- Fawcett, Eric W. M.: *See*—
Howes, Donald A., and Fawcett.
- Fawcett, Eric W. M., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company, Limited, London, England. Production of branched chain alkanes. 2,407,637; Sept. 17.
- Fawcett, Eric W. M., and E. S. Narracott, Sunbury-on-Thames, assignors, by mesne assignments, to Anglo-Iranian Oil Company Limited, London, England. Production of isoparaffins. 2,393,357; Jan. 22.
- Fawcett, Eric W. M., and G. I. Jenkins, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Synthesis of hydrocarbons. 2,405,565; Aug. 13.
- Fawcett, Eric W. M., and J. H. B., Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Production of isobutane and the like hydrocarbons. 2,410,024; Oct. 29.
- Fawick, Thomas L., Akron, Ohio. Crank case for internal-combustion engines. 2,394,675; Feb. 12.
- Fawick, Thomas L., Akron, Ohio. Valve assembly. 2,401,061; May 28.
- Fawkes, Charles E.: *See*—
Gayer, Frederick H., and Fawkes.
- Fawkes, Donald G., assignor to Crane Co., Chicago, Ill. Fluid motor stroke shifter. 2,392,980; Jan. 15.
- Fawkes, Donald G., assignor to Crane Co., Chicago, Ill. Control valve. 2,396,993; Mar. 19.
- Fawns, Alexander G., Philadelphia, Pa. Piston ring expander. 2,406,533; Aug. 27.
- Fay, Frank H., Huguenot Park, N. Y., and E. W. Reeve, Plainfield, N. J., assignors to American Telephone and Telegraph Company. Telegraph repeater system. 2,408,304; Sept. 24.
- Fay, Joseph W. and R., Villa Park Ill.; said R. Fay assignor to J. W. Fay. Educational device. 2,411,717; Nov. 26.
- Fay, Rudolph: *See*—
Fay, Joseph W. and R.
- Fayles, Robert R., assignor to Lukens Steel Company, Coatesville, Pa. Furnace air control system. 2,394,297; Feb. 5.
- Fazekas, Gabriel A. G.: *See*—
Billing, Henry J., and Fazekas.
- Feagin, Robert C., Houston, Tex. Oil strainer. 2,399,994; May 7.
- Fearey, James E.: *See*—
Huebner, Denis W., and Fearey.
- Feather, David C., assignor of forty per cent to J. B. Pfouts, Portland, Oreg. Pencil holder. 2,398,583; Apr. 16.
- Fedders-Quigan Corporation, assignee: *See*—
Leair, Joseph D.
- Fedell, Euripide: *See*—
Lucarelli, Joseph M., and Fedell.
- Federal Aircraft Engine Corporation, assignee: *See*—
Toce, Charles A. and V. J.
- Federal Carton Corporation, assignee: *See*—
Pelikan, Alexander.
- Federal Cartridge Corporation, assignee: *See*—
King, William N.
- King, William N., Romanchuk, and Ward. Ryan, James J.
- Federal Electric Company, Inc., assignee: *See*—
Gillette, Harold R., Kopp, and Gillette.
- Federal Electric Products Company, Inc., assignee: *See*—
Christensen, Paul M.
- Federal Flooring Corporation, The, assignee: *See*—
Donelson, William W.
- Federal Reserve Bank of Philadelphia, assignee: *See*—
Birmann, Rudolph.
- Federal Telegraph Company, assignee: *See*—
Wilson, Thomas L.
- Federal Telephone and Radio Corporation, assignee: *See*—
Alford, Andrew.
- Baumann, Harold C.
- Bednash, Casper S.
- Bellare, David.
- Bokovoy, Samuel A.
- Bokovoy, Samuel A., and Garrison.
- Bokovoy, Samuel A., and Stuntz.
- Bonner, Walter F.
- Burroughs, Gordon S.
- Busignies, Henri G.
- Busignies, Henri G., and Pickles.
- Butler, Seth E.
- Charchian, Benjamin M.
- Chesus, Frank O.
- Chevigny, Georges P.
- Chevigny, Georges P., and Labin.
- Chevigny, Paul G.
- Clark, Trevor H.
- Clarke, Carole A.
- Corning, Charles T.
- Deloraine, Edmond M.
- Deloraine, Edmond M., Busignies, and de Rosa.
- Deloraine, Edmond M., and Labin.
- De Rosa, Louis A.
- Dodding, Sven H. M.
- Dodding, Sven H. M.
- Enderlin, Max.
- Erb, George H.
- Escoffery, Charles A.
- Fuchs, Morton.
- Garrison, Kenton K.
- Glauber, John J.
- Goodale, Lynn C.
- Grieg, Donald D.
- Haigh, Leslie B., and Stearn.
- Herbst, John A.
- Herbst, John A., and Hassid.
- Himmel, Leon.
- Hoffman, Ross B.
- Kallmeyer, Paul R., Jr.
- Kandoian, Armig G.
- Kotterman, Chester A.
- Labin, Emile.
- Labin, Emile, and Grieg.
- Labin, Emile, and Hoffman.
- Labin, Emile, and Nye.
- Leibe, Frank A., and Miner.
- Litton, Charles V.
- Lombardi, Eugene J.
- McGuigan, William D.
- Papst, Hugh W.
- Perkins, George C.
- Pickles, Sidney B.
- Poylo, Michael C.
- Rainey, Paul M.
- Relf, Reginald T.
- Richardson, Avery G., and Chesus.
- Romander, Hugo.
- Royden, George T.
- Saslaw, Otto.
- Segerstrom, Carl A., Jr.
- Shank, Clifford A., and Rifenbergh.
- Sherman, Vernon W.
- Skinker, Murray F.
- Smith, Archibald D., Jr.
- Soreny, Ernest V.
- Speed, Richard B.
- Stanley, William G., and Leibe.
- Stearn, Franklin A.
- Turner, Robert W.
- Von Hippel, Arthur.
- Watts, Chester E., Jr.
- Young, Norman H., Jr.
- Fedotoff, Nicholas V.: *See*—
Maxson, William L., Lutz, McLaren, and Fedotoff.
- Fedotoff, Nicholas V., Lynbrook, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Adjustable transmission line. 2,407,147; Sept. 3.
- Feener, Joseph C., Woodstock, and W. B. Banks, assignors to The Lord Baltimore Press, Baltimore, Md. Display holder. 2,405,780; Aug. 13.
- Fehr, Edmond, Neuchatel, Switzerland. Gas safety device. 2,398,089; Apr. 9.
- Fehr, Paul, Zug, Switzerland, assignor to Landis & Gyr A. G. Counting device for overvoltage. 2,405,121; Aug. 6.
- Feichter, Harold R., assignor to United States Quarry Tile Company, Canton, Ohio. Vitreous and vitrifiable compositions of matter, and making the same. 2,413,441; Dec. 31.
- Feigley, David A., Jr., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Preparing an oxygen liberating composition. 2,405,566; Aug. 13.
- Felbach, George L., assignee: *See*—
Volpe, Michael.

- Feinberg, Archie S., Dallas, Tex. Liquid spray device. 2,390,108; Apr. 23.
- Feinberg, Archie S., Dallas, Tex. Water control for evaporative coolers. 2,413,135; Dec. 24.
- Feingold, Lipa, New York, N. Y. Earring clasp. 2,405,025; July 30.
- Feinstein Knitting Mills, assignee: *See—*
- Feinstein, Louis N.
- Feinstein Knitting Mills, Inc., assignee: *See—*
- Feinstein, Louis N.
- Feinstein, Louis, assignee, et al.: *See—*
- Feinstein, Louis N.
- Feinstein, Louis N.
- Feinstein, Louis N., Brooklyn, assignor to S. R. and L. N. Feinstein, doing business as Feinstein Knitting Mills, New York, N. Y. Knitted fabric. 2,403,793; July 9.
- Feinstein, Louis N., Brooklyn, assignor to S. R. and L. Feinstein, doing business as Feinstein Knitting Mills, Inc., New York, N. Y. Knitting machine and method. 2,409,026; Oct. 8.
- Feinstein, Rebecca, assignee, et al.: *See—*
- Feinstein, Louis N.
- Feinstein, Sam, assignee, et al.: *See—*
- Feinstein, Louis N.
- Feist, Walter: *See—*
- Roelen, Otto, and Feist.
- Feist, Charles M., Sioux City, Iowa. Trolley shoe current collector. 2,399,995; May 7.
- Felardo, Alfred, Bronx, N. Y. Safety razor blade holder. 2,409,116; Oct. 8.
- Felburg, Robert A., Newark, N. J. Aircraft landing gear. 2,399,218; Apr. 30.
- Feld, Bernard D., Birmingham, Ala. Hydraulic scale. 2,403,204; July 2.
- Feld, Bernard D., Birmingham, Ala. Hydraulic scale capsule. 2,411,251; Nov. 19.
- Feld, Stanislaw, New York, N. Y. Pantograph. 2,411,715; Nov. 26.
- Felderman, William, South Orange, N. J. Humidifier. 2,399,862; May 7.
- Feldhausen, Cyril P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 2,409,264; Oct. 15.
- Feldhusen, Herman, Jr.: *See—*
- Rogers, Dilworth T., and Feldhusen.
- Feldman, Albert E., New York, N. Y. Dial telephone lock. 2,397,954; Apr. 24.
- Feldman, Carl B. H., Rumson, N. J., and G. E. Mueller, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave directive antenna. 2,411,872; Dec. 3.
- Feldman, Hugo, Biran, New York, N. Y. Binder for stationery sheets. 2,409,426; Oct. 15.
- Feldman, Louis: *See—*
- Letschert, Johan P., and Feldman.
- Feldman, Max, Miami Beach, Fla. Safety razor. 2,405,200; Aug. 6.
- Feldman, Nathan W., Newark, N. J. Computer. 2,410,437; Nov. 5.
- Feldmann, Fred F., San Jose, Calif. Nut cracking machine. 2,408,510; Oct. 1.
- Felick, Morris, Chicago, Ill. Pad. 2,392,136; Jan. 1.
- Felins Tying Machine Company, assignee: *See—*
- Suelflow, Alfred G.
- Felke, Friedrich, and A. Heckendorn, assignors to the firm of Society of Chemical Industry in Basle, Basle, Switzerland. Azo-dyestuffs. 2,398,367; Apr. 16.
- Felker Manufacturing Co., assignee: *See—*
- Newnham, Eugene N.
- Felker, Max N., assignee: *See—*
- Newnham, Eugene N., and Felker.
- Fell, William F., Merchantville, N. J., assignor to Radio Corporation of America. Insulator for concentric transmission lines. 2,406,945; Sept. 3.
- Fell, William F., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Peterboro, N. J. Electrical apparatus. 2,411,781; Nov. 26.
- Fellom, Roy, San Francisco, Calif. Building construction. 2,401,062; May 28.
- Fellows Gear Shaper Company, The, assignee: *See—*
- Miller, Edward W.
- Norton, Wendell P., Jr.
- Ross, Walter F.
- Fellows, Leslie R.: *See—*
- Clark, Thomas, and Fellows.
- Felsecker, John J., Calumet City, Ill., assignor to Graver Tank & Mfg. Co., Inc. Liquid treatment. 2,404,701; July 23.
- Felsecker, John J., Calumet City, Ill., assignor to Graver Tank & Mfg. Co., Inc. Method and apparatus for treating water comprising the steps of passing a variable flow of relatively alkaline water upwardly through a bed of organic hydrogen-zelite and augmenting said flow by hydrogen-zelite treated water. 2,412,328; Dec. 10.
- Feltman, Charles A., Brooklyn, N. Y. Fruit juice squeezer. 2,413,178; Dec. 24.
- Felt & Tarrant Mfg. Co., assignee: *See—*
- Niemann, Frederick A.
- Felt & Tarrant Manufacturing Company, assignee: *See—*
- Laiho, Jalmer M.
- Niemann, Frederick A.
- Felton, Ora E., Gary, Ind. Slag cleaning tool. 2,394,760; Feb. 12.
- Felver, Richard I., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steam iron. 2,411,199; Nov. 19.
- Fending, Harry E., Los Angeles, Calif. Drill grinder. 2,401,471; June 4.
- Fene, William J., and G. L. Freas, Pittsburgh, Pa., assignors to The Government of The United States, as represented by the Secretary of the Interior. Collecting gas analysis samples. 2,411,157; Nov. 19.
- Fenn, Emory W., Chicago, Ill., assignor to Firecraft Corporation. Electromechanical interlock for elevator doors. 2,408,054; Sept. 24.
- Fenn, Howard N.: *See—*
- Hunter, Melvin J., and Fenn.
- Fenn, Raymond T., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Gauge for steep faced threads. 2,393,004; Jan. 15.
- Fennema, Richard: *See—*
- Newton, Norman B., and Fennema.
- Fenner, James M., South Euclid and F. G. Mog, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Wire-drawing block. 2,391,957; Jan. 1.
- Fenner, James M., South Euclid, R. E. Griffiths, Cleveland Heights, and A. W. Harris, Euclid, Ohio, assignors to The American Steel and Wire Company of New Jersey. Cold die working scaled stainless steel. 2,395,675; Jan. 29.
- Fenner, William N.: *See—*
- Malin, Jay B., and Fenney.
- Fenske, Merrell R.: *See—*
- Cummings, George H., Sweeney, and Fenske.
- Fenske, Merrell R., and G. H. Cummings, State College, assignors to Rohm & Haas Company, Philadelphia, Pa. Lubricating composition. 2,407,954; Sept. 17.
- Fenton, George D., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Classifier. 2,409,265; Oct. 15.
- Fenton, Warren, Philadelphia, Pa. Air line connector. 2,402,618; Jan. 25.
- Fenwal Incorporated, assignee: *See—*
- Walbridge, Lyman H.
- Fereday, Frederick T., Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa. Apparatus for railway signal systems. 2,408,206; Sept. 24.
- Ferguson, Rector C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor coupling device. 2,410,280; Oct. 29.
- Ferguson, Albert C., Jacksonville, Fla. Stretcher for crochet mats. 2,413,041; Dec. 24.
- Ferguson, Edgar, Jr., Brooklyn, N. Y., assignor to Van Patten Pharmaceutical Company, Chicago, Ill. Brominated thyroid product. 2,395,372; Feb. 19.
- Ferguson, George M., Portland, Ore. Tweezers. 2,412,255; Dec. 10.
- Ferguson, George M., Portland, Ore. Tweezer. 2,411,825; Nov. 26.
- Ferguson, Harry R.: *See—*
- Patrick, Joseph C., and Ferguson.
- Ferguson, Henry G., Belfast, Northern Ireland. Hitch means for connecting trailers to tractive vehicles. 2,393,358; Jan. 22.
- Ferguson, John E., and C. W. McCreery, Muncie, Ind., assignors to Owens-Illinois Glass Company. Glass block dehydrating mechanism. 2,402,387; June 18.
- Ferguson, Robert O., Bristol, Tenn., assignor to Bristol Steel Iron Works, Bristol, Va.-Tenn. Alignment holder for dies. 2,403,916; July 16.
- Ferguson, Warren T., Newton Highlands, assignor to Anderson Products, Inc., Cambridge, Mass. Steam heating system and control valve therefor. Re. 22,752; May 7.
- Fergusson, Alan R., Larchmont, N. Y. Nested serving table. 2,409,027; Oct. 8.
- Fergusson, David, assignor to James Cunningham, Son & Company, Rochester, N. Y., a partnership composed of A. J. and F. E. Cunningham. Seal for joints. 2,395,963; Mar. 5.
- Ferla, John, East Orange, assignor to U. S. Asbestos Cement Pipe Company, Camden, N. J. Pipe joint. 2,405,567; Aug. 13.
- Fernald, Herbert B., Cleveland, and R. K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning compositions and their manufacture. 2,395,472; Feb. 26.
- Fernald, Mark E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Article-positioning mechanism. 2,404,480; July 23.
- Fernandez, Enrique P.: *See—*
- Brewster, James A., and Fernandez.
- Fernelius, Willis C.: *See—*
- Campbell, Frank L., and Fernelius.
- Fernelius, Willis C., Dayton, Ohio, and F. L. Campbell, Rockville, Md. Fumigant and fumigating. 2,413,408; Dec. 31.
- Fernley, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Attenuator for coaxial transmission lines. 2,401,296; June 4.
- Fero, George G., Newton Upper Falls, Mass., assignor to United-Rexall Drug Company. Store fixture. 2,409,117; Oct. 8.

- Ferrante, Gaspare, assignor to Graspoh Building Corp., Brooklyn, N. Y. Plastic cementitious material. 2,407,739; Sept. 17.
- Ferrari, Bernard, Chicago, Ill. Foot appliance. 2,408,617; Oct. 1.
- Ferrara, Peter J.; *See—*
Kinsey, Hartselle D., Kelly, and Ferrara.
- Ferve, Albert W., Wellesley, Mass., assignor to B. F. Sturtevant Company, Boston, Mass. Heater. 2,392,283; Jan. 1.
- Ferrel, Clyde B., San Francisco, Calif. Spray nozzle. 2,392,085; Jan. 1.
- Ferrel, Clyde B., San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev. Projectile. 2,407,264; Sept. 10.
- Ferrel, Clyde B., San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev. Bomb. 2,410,932; Nov. 12.
- Ferrel Industries, Inc., assignee; *See—*
Ferrel, Clyde B.
- Ferrell, Landon W., Knoxville, Tenn. Water control for spiders, etc. 2,412,037; Dec. 3.
- Ferror, Ricardo M., assignee; *See—*
Del Llano, Jose S.
- Ferrier, Otis G., assignee; *See—*
Moses, Winfield C.
- Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Navigation system. 2,393,624; Jan. 29.
- Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Flight path controller. 2,395,854; Mar. 5.
- Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Indicating apparatus. 2,405,568; Aug. 13.
- Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,406,494; Aug. 27.
- Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Wrencher. 2,407,922; Sept. 17.
- Ferris, Seymour W., Mount Holly, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Controlling wax sweating. 2,406,210; Aug. 20.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Automotive drive. 2,397,343; Mar. 26.
- Ferris, Walter, Milwaukee, and A. R. Grad, Wauwatosa, assignors to The Oilgear Company, Milwaukee, Wis. Hydrodynamic machine. 2,406,138; Aug. 20.
- Ferris, Warren R.; *See—*
Kiltzore, George R., Ferris, and Shulman.
- Ferris, Warren R., Kingston, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,396,167; Jan. 5.
- Ferris, William D., and C. R. Wolf, assignors to Frantz Manufacturing Co., Sterling, Ill. Garage door equipment. 2,405,821; Aug. 13.
- Ferro Stamping & Manufacturing Company, assignee; *See—*
Joachim, Joseph G.
- Fetcher, John K., and R. S. Phair, assignors to Edward G. Budd Mfg. Company, Philadelphia, Pa. Half-cycling protective relay system. 2,394,503; Feb. 12.
- Fett, Magdalene, administratrix; *See—*
Fett, Matthew J.
- Fett, Matthew J., deceased, Detroit, Mich.; M. Fett, administratrix. Machine tool support. 2,392,035; Jan. 1.
- Petteroff, Luther D., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Ceramic coated ferrous article. 2,406,534; Aug. 27.
- Petzer, Walter R., Clayton, Mo., assignor to Union Starch & Refining Company, Columbus, Ind. Hydrolysis of starch. 2,393,065; Jan. 15.
- Petzer, Karl M., Rutherford, and F. A. Hoyt, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing equipment. 2,402,677; June 25.
- Feuchl, Albert, Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Adjustable platform for mine cars. 2,396,365; Mar. 12.
- Feuchl, Albert, Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Adjustable drill mounting. 2,409,843; Oct. 22.
- Fendiner, Charles P., New York, N. Y. Clamp. 2,411,533; Nov. 26.
- Fener, Irving, and Goldstein, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Alpha-ray emission device and making the same. 2,405,026; July 30.
- Fenrich, George R., assignor to Roethel Engineering Corporation, Detroit, Mich. Door latch. 2,405,027; July 30.
- Fenner Bros., Inc., assignee; *See—*
Fenner, Walther.
- Fenner, Walther, Jackson Heights, assignor, by mesne assignments, to Fenner Bros., Inc., New York, N. Y. Adjustable watertight and dusttight watch crown. 2,405,928; Aug. 13.
- Few, William, East Cleveland, assignor to The Clark Controller Company, Cleveland, Ohio. Electronic timing system. 2,412,571; Dec. 17.
- Fewsmith, Alexander G., assignor to Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Asphaltic compound. 2,392,813; Jan. 15.
- Ffield, Paul, Hingham, Mass., assignor to Bethlehem Steel Company. Welding. 2,402,031; June 11.
- Fibre-Metal Products Company, The, assignee; *See—*
Bowers, Charles E.
- Fibre Metal Products Company, assignee; *See—*
Bowers, Frederick M.
- Fibreboard Products, Inc., assignee; *See—*
Van Voorhis, William W.
- Fibro-Mold Specialties, Inc., assignee; *See—*
Skolnik, Max.
- Fibre Products Laboratories, Inc., assignee; *See—*
Goldman, Joseph.
- Ficht, Julius, South Euclid, assignor to M. M. Cohen, Cleveland Heights, Ohio. Hair extractor apparatus. 2,400,227; May 14.
- Fiddler, Albert A., assignor of one-half to G. K. Huff, Renton, Wash. Hydraulic drive. 2,403,214; July 2.
- Fidelity Machine Company, Inc., assignee; *See—*
Cole, Benjamin F.
Larkin, Walter.
- Fidler, Frederick A.; *See—*
Birch, Stanley F., Fidler, and Thornes.
- Fiechter, John J., Willow Grove, Pa. Making packing. 2,404,952; July 30.
- Fiehl, Richard, Lindcott, assignor to International Business Machines Corporation, New York, N. Y. Relay. 2,394,601; Feb. 12.
- Field, Albert, Dayton, Ohio. Abrasive tool. 2,410,870; Nov. 12.
- Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Wire fence and camouflage structure. 2,396,256; Mar. 12.
- Field, Crosby, assignor to Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Apparatus for cutting metal. 2,399,219; Apr. 30.
- Field, Crosby, assignor to Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Apparatus for cutting metal. 2,399,220; Apr. 30.
- Field, Crosby, Brooklyn, and G. C. Toole, St. Albans, assignors to Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Apparatus for cutting metal. 2,401,147; May 28.
- Field, Donald C.; *See—*
Sparks, William J., and Field.
Thomas, Robert M., and Field.
- Field-Ernest Envelope Company, assignee; *See—*
Kosteling, John E.
- Field and Flint Co., assignee; *See—*
Maguire, John J.
- Field, Herbert H., Rock Falls, Ill. Lock to secure nuts on bolts. 2,404,128; July 16.
- Field, John A.; *See—*
Hitchcock, Melville E., and Field.
- Field, Oscar S.; *See—*
Wight, Sedgewick N., and Field.
Wight, Sedgewick N., Field, and Dicke.
- Field, Patrick J., assignor to M. K. Liebert, Washington, D. C. Safety device for projectiles. 2,402,276; June 18.
- Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Cast refractory product. 2,408,305; Sept. 24.
- Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Basic cast refractory. 2,400,844; Oct. 22.
- Fiebler, Frederick D., Sharon, and E. J. Grimmer, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Winding special continuous coil. 2,393,037; Jan. 15.
- Fielding, Charles S., Buffalo, N. Y. Rack and pinion mechanism. 2,410,643; Nov. 5.
- Fielding, David T. E., Middleton Junction, England. Machine for grinding drills and similar tools. 2,408,618; Oct. 1.
- Fields, Charles V.; *See—*
Marbury, Ralph E., and Fields.
- Fields, Clesent O.; *See—*
Smith, Marvin M., Fields, and Kender.
- Fields, Ellis K.; *See—*
Dackis, Morris H., and Fields.
- Fields, Frank D., Elkhart, Ind., and T. H. Alfreds, Park Ridge, Ill., assignors to Posture Research Corporation, Elkhart, Ind. Spring back support. 2,410,871; Nov. 12.
- Fields, George C., Euclid, Ohio. Blowoff valve. 2,396,840; Mar. 19.
- Fields, Mack R., Chicago, Ill., assignor to Abbott Laboratories. Sifter package for pharmaceuticals. 2,410,438; Nov. 5.
- Fielitz, Frederick I., Belleville, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for producing subdivided molding material. 2,401,236; May 28.
- Fierke, Schouring S., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Development of photographic emulsions. 2,410,644; Nov. 5.
- Fiese and Firschenberger, assignee; *See—*
Fiese, Jesse T.
- Fiese, Jesse T., assignor to Fiese and Firschenberger, Fremont, Calif. Brush diverting apparatus for rotary shredders. 2,392,653; Jan. 8.
- Fieser, Louis F., Belmont, Mass. Induction of organic radicals into quinones. 2,398,418; Apr. 16.

- Fieser, Louis F., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Antihemorrhagic esters and producing the same. 2,407,823; Sept. 17.
- Flagg, Basil D.: *See—*
- Fleet, Charles H., and H. R. Heinzen, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich. Ship drive and control system. 2,403,647; July 9.
- Flikart, Joshua, Lincoln, Ill. Fastener for wrist watch bands. 2,399,667; May 7.
- Flilachione, Edward M., Philadelphia, Pa., assignor to the United States of America, as represented by the Secretary of Agriculture. Esterifying acyloxy carboxylic acids. 2,402,129; June 18.
- Flilachione, Edward M., Philadelphia, Pa., assignor to Monsanto Chemical Company, St. Louis, Mo. Haloacetals. 2,411,826; Nov. 26.
- Flilachione, Edward M., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to United States of America, as represented by the Secretary of Agriculture. Condensation products of hydroxy carboxylic acids. 2,396,994; Mar. 19.
- Flilachione, Edward M., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Process for manufacturing acyloxy carboxylic acids. 2,399,595; Apr. 30.
- Flilachione, Edward M., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Production of di-esters of hydroxy carboxylic acids. 2,402,130; June 18.
- Flilachione, Edward M., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to United States of America, as represented by Secretary of Agriculture. Manufacturing volatile esters of hydroxy carboxylic acids. 2,405,646; Aug. 13.
- Fliburn, Everett S., Dayton, Ohio. Mechanical toy. 2,400,028; Oct. 8.
- Flier & Stowell Co., The, assignee: *See—*
- Denton, Joseph A.
- Fill, John V., Dolks Ferry, assignor to Maguire Industries, Incorporated, New York, N. Y. Manufacture of metal carbonyls. 2,395,999; Mar. 5.
- Fillingim, Ernest T., Lancaster, Calif. Irrigating valve wrench. 2,400,083; May 14.
- Filter Media Corporation, assignee: *See—*
- Teale, Harold A.
- Filtrol Corporation, assignee: *See—*
- Bwing, Frederick J., and Lovett, Funsten, Stanard R.
- Gary, Wright W.
- Finch, James L., East Rockaway, N. Y., assignor to Radio Corporation of America. Tone converter. 2,401,629; June 4.
- Finch, James L., East Rockaway, N. Y., assignor to Radio Corporation of America. Photo radio signaling by frequency. 2,411,653; Dec. 3.
- Finch, William G. H., Newtown, Conn. Cathode ray receiver. 2,394,435; Feb. 5.
- Finch, William G. H., Newtown, Conn. Synchronizing mechanism. 2,404,571; July 23.
- Finck, Joseph L., Brooklyn, N. Y. Lathing material. 2,404,481; July 23.
- Findlay, Albert J., assignor to J. B. and E. S. Frosst, Montreal, Quebec, Canada. Electric time recorder. 2,395,781; Feb. 26.
- Findlay, John H.: *See—*
- Mouromtseff, Ilya E., and Findlay.
- Findlay, John H., Upper Montclair, C. E. Dawley, and A. Pfeiffer, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Controlled electrode for field emission discharge device. 2,407,979; Sept. 24.
- Findley, Howard J.: *See—*
- Jaeger, John H., and Findley.
- Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Constant tension device. 2,395,261; Feb. 19.
- Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thermoelectric generator. 2,410,872; Nov. 12.
- Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Engine cooling apparatus. 2,396,000; Mar. 5.
- Findley, Russell L.: *See—*
- Wrathall, Jay R., and Findley.
- Fine, Jacob, New York, N. Y. Mechanism for surfacing polishing disks. 2,392,654; Jan. 8.
- Finelli, Salvatore J.: *See—*
- Nilsen, Leif, and Finelli.
- Finlon, Harvey J., Dayton, Ohio. Radio operated positioning control. 2,398,419; Apr. 16.
- Fink, Colin G., New York, N. Y., and J. S. Mackay, Prospect Park, Pa. Photocell for measuring long wave radiations. 2,406,139; Aug. 20.
- Fink, Henry A., Pelham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Crown cap conveying system. 2,412,137; Dec. 3.
- Fink, Henry A., Pelham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for spraying crown caps. 2,412,138; Dec. 3.
- Fink, Henry A., and B. S. Bloser, assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for lacquer coating side seams of can bodies. 2,412,139; Dec. 3.
- Fink, John C.: *See—*
- Baudry, René A., Rushing, and Fink.
- Fink, Joseph A., Englewood, N. J. Spark plug setting. 2,393,359; Jan. 22.
- Fink, Joseph A., Englewood, N. J. Pot and pan lifter and holder. 2,404,224; July 16.
- Fink, Lyman R., Schenectady, N. Y., assignor to General Electric Company, Electric valve motor control system. 2,409,029; Oct. 8.
- Fink, Raymond E., East Haven, assignor to National Folding Box Company, New Haven, Conn. Display box. 2,412,450; Dec. 10.
- Finke, D. H., assignee: *See—*
- Noonan, John.
- Finkelstein, Leo, Aberdeen, Md., and H. B. Elkins, U. S. Army. Smoke-producing mixture. 2,409,201; Oct. 15.
- Finken, Walter S.: *See—*
- Frieder, Leonard P., and Finken.
- Finken, Walter S., Brooklyn, assignor to L. P. Frieder, New York, N. Y. Parachute. 2,412,392; Dec. 10.
- Finlay, Walter L., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Shot shell wad. 2,398,297; Apr. 9.
- Finlay, Walter L., Fairfield, and G. E. Hutchinson, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Firearm. 2,398,298; Apr. 9.
- Finley, Thomas M., Caledonia, Mo. Gasoline-resistant wood filler. 2,410,645; Nov. 5.
- Finley, Willard L., Sparta, Ill., and J. H. Kirk, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y. Lubrication. 2,400,492; May 21.
- Finley, William A., Valdosta, Ga. Double-acting pump. 2,392,655; Jan. 8.
- Finley, William A., Valdosta, Ga. Bean snipping machine. 2,393,461; Jan. 22.
- Finnam, Marian, Minneapolis, Minn. Beautician's comb. 2,411,252; Nov. 19.
- Finn, Alfred, Leaside, and L. Rostoker, Toronto, Ontario, Canada. Wheeled toy. 2,410,646; Nov. 5.
- Finn, Harry W., assignor to Consolidated Paper Company, Monroe, Mich. Collapsible box. 2,396,168; Mar. 5.
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Mechanical movement. 2,394,076; Feb. 12.
- Finney, John H. Y., assignor to Mining Process and Patent Company, Denver, Colo. Liquid feeding apparatus. 2,401,345; June 4.
- Finkel, Theron G., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stretching of artificial yarn. 2,394,540; Feb. 12.
- Finkel, Theron G., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polymeric solutions. 2,404,728; July 23.
- Flock, Ernest P.: *See—*
- DeBruin, Milton H., and Flock.
- Fiorino, H., Teaneck, assignor to Alfred Hofmann & Company, West New York, N. J. Warp-knitting machine. 2,394,161; Feb. 5.
- Florentino, Anthony F., Teaneck, assignor to Alfred Hofmann & Company, West New York, N. J. Warp-knitting machine. 2,395,807; Mar. 5.
- Flori, Irving, assignor to Art Specialty Co., Chicago, Ill. Adjustable support structure. 2,395,178; Feb. 19.
- Flori, John, Poughkeepsie, N. Y. Fishing reel. 2,404,702; July 23.
- Florearms Research Corporation, assignee: *See—*
- Fried, George J.
- Firecraft Corporation, assignee: *See—*
- Fenn, Emory W.
- Finn, Clarence M.
- Fire Devices, Inc., assignee: *See—*
- Griffith, William B.
- Firestone, Floyd A., Ann Arbor, Mich. Music teaching device. 2,406,946; Sept. 3.
- Firestone, Floyd A., Ann Arbor, Mich., assignor to United Aircraft Corporation, East Hartford, Conn. Supersonic inspection device. 2,398,701; Apr. 16.
- Firestone Tire & Rubber Company, The, assignee: *See—*
- Bosomworth, George P.
- Bosomworth, George P., and Milner.
- Brown, Roy W.
- Bruber, Norman T.
- Carr, Edgar L.
- Cohen, William S.
- Flint, Hyland C.
- Gregory, Douglas W.
- Groncey, Carl W.
- Hale, James H.
- Hanson, Elmo E., and Park.
- Johnson, Ralph S.
- Liska, John W.
- Liska, John W., and Grover.
- McCollier, William H.
- Miller, Dewey A.

Firestone Tire & Rubber Company, The, assignee: *See—Continued*
 Riesing, Ellwood F.
 Schmidt, Ernest
 Stedman, Theodore W.
 Stevens, Horace D.
 Tann, William E.
 Van Schwartz, Zolly C.
 Workman, Clarence E.

Firing, Osborne, New Dorp, Staten Island, assignor to Strauss Fasteners, Inc., New York, N. Y. Apparatus and method of controlling paired operations, particularly for making slide fasteners. 2,395,473; Feb. 26.

Firsching, Joseph A., Utica, N. Y. Cloth measuring device. 2,406,140; Aug. 20.

First National Bank in Bartlesville, executor: *See—Crites, Wilbur*

Firth, Charles V., Minneapolis, assignor, by mesne assignments, to Erie Mining Company, Hibbing, Minn. Molding balls. 2,411,873; Dec. 3.

Firth, Charles V., assignor to Continental Machines, Inc., Minneapolis, Minn. Producing iron oxide and for production of powdered iron. 2,413,492; Dec. 31.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Mounting for pulleys, etc. 2,399,414; Mar. 12.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Mounting for sheaves, etc. 2,402,743; June 25.

Firth, David, South Bend, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Shaft bearing. 2,405,122; Aug. 6.

Firth, David, South Bend, and A. T. Bodle, assignors to Dodge Manufacturing Corporation, Mishawaka, Ind. Clutch. 2,396,647; Mar. 19.

Firth, David, and M. L. Firth, South Bend, assignors to Dodge Manufacturing Corporation, Mishawaka, Ind. Adjustable sheave. 2,400,294; May 14.

Firth-Vickers Stainless Steels Limited, assignee: *See—Hatfield, William H.*

Fischer, Albert C., Chicago, Ill. Waterstop expansion joint. 2,400,493; May 21.

Fischer, Albert L., New York, assignor of fifty per cent to B. Winkels, Whitestone, N. Y. Compound to improve the durability of leather and leather soles. 2,412,140; Dec. 3.

Fischer, Albert W., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Variable resistance. 2,407,544; Sept. 10.

Fischer, Andrew P. and H., San Francisco, Calif. Special louver-type ventilator for ship portholes. 2,395,619; Feb. 26.

Fischer, Arthur H., New York, N. Y. Froth flotation of sulphide ores. 2,412,500; Dec. 10.

Fischer, Carl W.: *See—Saballus, Erwin, and Fischer.*

Fischer, Clair A.: *See—McLellan, Edgar G., Fischer, and Edelman.*

Fischer, Earl K., Long Island City, assignor to Interchemical Corporation, New York, N. Y. Pigmented film-forming compositions. 2,396,415; Mar. 12.

Fischer, Eugene H., Derry, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cored ceramic article. 2,412,878; Dec. 17.

Fischer, Friedrich, Zurich, and W. Amrein, Rumlung, Switzerland. Appliance for measuring the velocity of projectiles. 2,409,672; Oct. 22.

Fischer, Hazel: *See—Fischer, Andrew P. and H.*

Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Chemical process. 2,412,879; Dec. 17.

Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pull gun. 2,396,001; Mar. 5.

Fischer, Max W., Washington, D. C. Fuse. 2,397,781; Apr. 2.

Fischer, Paul E.: *See—Staude, Edwin G., and Fischer.*

Fischer, Paul W., Long Beach, and V. N. Jenkins, Palos Verdes Estates, assignors to Union Oil Company of California, San Francisco, Calif. Anticorrosion composition. 2,403,067; July 2.

Fischer & Porter Company, assignee: *See—Brewer, Nathaniel.*

Fischer, Ralph M., Paterson, N. J., assignor to American Cyanamid Company, New York, N. Y. Treatment of interlining materials. 2,402,032; June 11.

Fischer-Suffert, Wilhelm, assignee: *See—Maurer, Gottfried.*

Fischer, Paul P., assignor to Technical Alliance Inc., Kenmore, N. Y. Tuned audio relay. 2,392,981; Jan. 15.

Fisk, George R., assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime construction. 2,412,978; Dec. 24.

Fish, Raymond J., Manchester, N. H. Thread friction testing device. 2,407,545; Sept. 10.

Fish, Stanley W.: *See—Connelly, John R., and Fish.*

Fish, Stanley W., Springfield, Mass. Sight. 2,401,752; June 11.

Fishack, Howard G., Summit, N. J., L. B. Miller, Kansas City, Mo., and J. J. Shively, New York, N. Y. Computing and billing device. 2,394,602; Feb. 12.

Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Clutch control means. 2,393,153; Jan. 15.

Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Synchronizer mechanism. 2,397,344; Mar. 26.

Fisher, Irvin W., Clemons, N. C. Mechanical toy. 2,400,283; Aug. 20.

Fisher, Alec, Lynn, Mass., assignor to General Electric Company. Dynamo-electric machine. 2,394,049; Feb. 5.

Fisher, Bernard C., assignee, trustee: *See—Fisher, Bernard C.*

Fisher, Bernard C., Jersey City, assignor to C. H. Warfield, Westfield, N. J., F. P. Warfield, Golden Bridge, N. Y., and B. C. Fisher, Jersey City, N. J. High-compression engine for low test fuel. 2,392,371; Jan. 8.

Fisher, Bernard C., Jersey City, assignor to C. H. Warfield, Westfield, N. J., F. P. Warfield, Golden Bridge, N. Y., and B. C. Fisher, Jersey City, N. J., as trustees. Automatic compression control for internal-combustion engines. 2,400,747; May 21.

Fisher, Charles B., Glen Ellyn, Ill. Erasing machine. 2,398,823; Apr. 23.

Fisher, Charles E.: *See—Eckerman, Robert M., and Fisher.*

Fisher, Charles H.: *See—Piachione, Edward M., and Fisher.*

Fisher, Charles E., and P. P. Fisher.
 Ratchford, William P., and Fisher.
 Rehberg, Chessie B., and Fisher.

Fisher, Ernest P., assignor to Whiting Corporation, Harvey, Ill. Dust collector for grinding operations. 2,399,629; May 7.

Fisher, Ernest P., assignor to Whiting Corporation, Harvey, Ill. Grinding and polishing booth. 2,400,479; Oct. 15.

Fisher Furnace Company, assignee: *See—Hoke, Kenneth D.*

Fisher, George A., Jr.: *See—Heath, Robert L., Fisher, and Holbrook.*

Fisher, Harmon F., Palo Alto, and A. C. Peck, Los Altos, Calif., assignors, by mesne assignments, to The Permanente Metals Corporation. Removing suspended matter from suspensions. 2,406,820; Sept. 3.

Fisher, James W., Spondon, near Derby, assignor to British Celanese Limited, London W. I., England. Manufacture of higher fatty acid esters of cellulose. 2,400,494; May 21.

Fisher, James W., Spondon, near Derby, assignor to British Celanese Limited, London, England. Manufacture of carboxylic acid anhydrides. 2,411,567; Nov. 26.

Fisher, John A., Tarpon Springs, Fla. Turbine engine. 2,407,824; Sept. 17.

Fisher, Leslie C., Farmingdale, assignor to Edwin G. Eppenhach, Manhasset, N. Y. Directional homo-mixer. 2,393,360; Jan. 22.

Fisher, Leslie C., Farmingdale, and H. Imshaug, Flushing, assignors to E. G. Eppenhach, Manhasset, N. Y. Metering mill. 2,412,680; Dec. 17.

Fisher, Lyman C., assignor to The Murray Corporation of America, Detroit, Mich. Spring construction. 2,395,402; Feb. 26.

Fisher, Reginald J., and W. H. J. Brock, assignors to Automotive Products Company Limited, Leamington Spa, England. End fitting for flexible hoses. 2,401,921; June 11.

Fisher, Roy R., Detroit, Mich. Steam vaporizer. 2,392,372; Jan. 8.

Fisher, Samuel C., New York, N. Y. Motor vehicle control. 2,392,086; Jan. 15.

Fisher Scientific Company, assignee: *See—Kruper, Andrew P.*

Fisher, Sidney O., Schenectady, N. Y., assignor to General Electric Company. High-temperature alloy. 2,406,363; Aug. 27.

Fisher, Sidney T., Toronto, Ontario, Canada, assignor to Rogers Majestic Corporation, Dover, Del. Suppression of noise in communication systems. 2,409,977; Oct. 22.

Fisher, Wilma S., assignee, et al.: *See—Smith, Frank M.*

Fisk, Albert S., Brooklyn, N. Y., and J. P. Kovacs, assignors to Furolator Products, Inc., Newark, N. J. Filter structure. 2,398,824; Apr. 23.

Fisk, Arthur, New York, N. Y., assignor of one-half to B. Mahler, Detroit, Mich. Detachable heel. 2,403,592; July 9.

Fisk, Gustaf L., New Fairfield, Conn. Rolling metal bars. 2,400,690; May 21.

Fisk, James B., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Output coupling for high-frequency oscillator. 2,411,151; Nov. 19.

Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Dielectric wave guide system. 2,407,069; Sept. 3.

Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency coupling device and system. 2,408,055; Sept. 24.

- Fiske, Milan D., Schenectady, and J. M. Lafferty, Colonie, N. Y., assignors to General Electric Company. Wave transmitting system. 2,407,068; Sept. 3.
- Fitch, Clifford E., assignor to The Aero Equipment Corporation, Bryan, Ohio. Impact clutch. 2,396,498; Mar. 12.
- Fitch, Clifford E., assignor to The Aero Equipment Corporation, Bryan, Ohio. Coupler. 2,396,499; Mar. 12.
- Fitch, Clifford E., assignor to The Aero Equipment Corporation, Bryan, Ohio. Lever gun. 2,409,619; Oct. 22.
- Fitch, Clyde J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Telegraphic printing apparatus. 2,405,297; Aug. 6.
- Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Ellyria, Ohio. Valve mechanism. 2,399,996; May 7.
- Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake mechanism. 2,406,284; Aug. 20.
- Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Ellyria, Ohio. Fluid pressure control mechanism. 2,412,725; Dec. 17.
- Fitch, Elliot E.: *See*—
Suhr, Henry B., and Fitch.
- Fitch, Karl E., Summit, N. J., and G. A. Locke, Glenwood Landing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cryptographic telegraph system. 2,405,569; Aug. 13.
- Fitch, Karl E., Summit, N. J., and G. A. Locke, Glenwood Landing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cryptographic telegraph system. 2,405,571; Aug. 13.
- Fitch, William A., Schenectady, N. Y., assignor to Radio Corporation of America. Nonlinear frequency modulation signaling system. 2,410,489; Nov. 5.
- Fitchburg Engineering Corporation, assignee: *See*—
Forman, William O.
- Fitzcheit, Thomas S., Baltimore County, and H. B. Greenwood, Baltimore, Md., and W. G. Shackelford, Parkersburg, W. Va., assignors to F. X. Hooper Company, Inc., Glenarm, Md. Steam shower for corrugators. 2,413,409; Dec. 31.
- Fite, John E., Jr., Philadelphia, Pa. Tape for slide fasteners. 2,400,924; May 28.
- Fitt, T. Cleon: *See*—
Fleming, Edward P., and Fitt.
- Fitzgerald, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole pressing machine. 2,406,753; Sept. 3.
- Fitzgerald, George E., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bantam, Conn. Fuse clip. 2,402,491; June 18.
- Fitzgerald, James H., Westfield, N. J. Pump. 2,393,096; Jan. 15.
- Fitzgerald, James H., Westfield, N. J. Lever-track controlled boom bucket closure. 2,407,410; Sept. 10.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Coupling. 2,400,110; May 14.
- Fitz Maurice, Richard J., Orange, assignor to Therm-A-Mode Company, Inc., Paterson, N. J. Thermal fabric. 2,392,470; Jan. 8.
- Fitzpatrick, Frank L., East Malvern, assignor to Rocla Limited, Springvale, Victoria, Australia. Compressing newly formed concrete articles. 2,395,216; Feb. 19.
- Fitzpatrick, Jeremiah, Weymouth, Mass. Foot measuring apparatus. 2,391,839; Jan. 1.
- Fitzsimmons, William J., Chicago, Ill. Journal lubricator. 2,402,953; July 2.
- Fitz Simons, Ogden, Glenside, assignor to Floridin Company, Warren, Pa. Product and method of forming a precipitated magnesium silicate adsorbent agent. 2,393,625; Jan. 29.
- Flader, Fredric E., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Airfoil mounting and actuating mechanism. 2,404,045; July 16.
- Flannery Bolt Company, assignee: *See*—
Greenslade, Grover R.
- Flaster, Alfred A., New York, N. Y. Compact. 2,399,997; May 7.
- Flatland, Martin, San Francisco, Calif. Electrical winding. 2,404,129; July 16.
- Flatt, Joseph, Dayton, Ohio. Efficiency determining device. 2,395,042; Feb. 19.
- Flatt, Joseph, Washington, D. C. Gross weight indicator for airplanes. 2,402,618; June 25.
- Flax, J. Clayton, assignee: *See*—
Goldich, Herbert.
- Flaxel, Ben C., assignee: *See*—
Chat, Samuel C.
- Flaxman, Marcellus T.: *See*—
Anderson, Benjamin T., and Flaxman.
- Flaxman, Marcellus T., Ponca City, Okla., assignor to Union Oil Company of California, Los Angeles, Calif. Windshield wiper. 2,392,982; Jan. 15.
- Fleak, Glen D., Beaumont, Tex. Condiment holder. 2,409,118; Oct. 8.
- Fleck, Otto, Botha, Alberta, Canada. Preserving jar and top grinding device. 2,412,572; Dec. 17.
- Fledel-Beck, Jacob H., Dorchester, Mass. Split induction coil furnace. 2,408,969; July 16.
- Fleer, Harry H.: *See*—
Agricola, Frederick T., and Fleer.
- Fleer, Harry H., assignor to Gen City Pattern Co., Quincy, Ill. Automatic check and draft control for stoves. 2,409,480; Oct. 15.
- Fleer, Kenneth B.: *See*—
Baldor, Douglas S., and Fleer.
- Fleischer, John, Van Dyke, Mich. Twist drill. 2,405,298; Aug. 6.
- Fleischer, Max, and G. M. Mast, Detroit, Mich. Picture or film timer. 2,410,577; Nov. 5.
- Fleischmann, Martin, assignor to The Timken Roller Bearing Company, Canton, Ohio. Articles for use at high temperatures. 2,398,702; Apr. 16.
- Fleisher, Harry, assignor to Princeton Incorporated, Watertown, Conn. Knitted fabric. Re. 22,711; Jan. 22.
- Fleisher, Harry, Watertown, Conn., and G. H. Tillett, assignors to Roto-Matic Screen Printer, Ltd., New York, N. Y. Screen color printing apparatus. Re. 22,722; Feb. 19.
- Fleisher, Harry, Watertown, Conn., and G. H. Tillett, Jackson Heights, assignors to Roto-Matic Screen Printer, Ltd., New York, N. Y. Air drying means for screen printing apparatuses. 2,393,626; Jan. 29.
- Fleisher, Harry, and J. Homer, Staten Island, N. Y. Dispensing container. 2,409,933; Oct. 22.
- Fleming, Edward P., Los Angeles, Calif., and T. C. Fitt, Salt Lake City, Utah, assignors to American Smelting and Refining Company, New York, N. Y. Recovery of sulphur dioxide from gas mixtures. 2,399,013; Apr. 23.
- Fleming, James R., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 2,393,895; Jan. 29.
- Fleming, Leo M., assignee: *See*—
Bagne, Paul T.
- Fleming, Robert B., Huntington Park, assignor to Bert M. Morris Co., Los Angeles, Calif. Pencil sharpener. 2,444,767; Oct. 18.
- Fleming, William E., Cedar Rapids, Iowa. Tenderizing implement. 2,392,036; Jan. 1.
- Flemming, Walter, and G. Stein, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of allyl chloride. 2,410,647; Nov. 5.
- Flenner, Albert L., and C. A. Littler, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Veterinary compositions. 2,407,488; Sept. 10.
- Flenner, Albert L., and N. E. Searle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,411,253; Nov. 19.
- Flesch, Norman: *See*—
Tack, Carl E., and Flesch.
- Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Slack adjuster. 2,403,512; July 9.
- Fletcher, Ed.: *See*—
Simison, Allen L., and Fletcher.
- Slayer, Games, and Fletcher.
- Fletcher, Fred W.: *See*—
Dreisbach, Robert R., and Fletcher.
- Fletcher, Fred W., and E. Kenaga, assignors to The Dow Chemical Company, Midland, Mich. Fumigant mixtures. 2,391,890; Jan. 7.
- Fletcher, Fred W., and E. E. Kenaga, assignors to The Dow Chemical Company, Midland, Mich. Parastitidal compositions. 2,410,281; Oct. 29.
- Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid separator. 2,395,855; Mar. 5.
- Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid separator. 2,402,154; June 18.
- Fletcher, Norman, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lay motion for axminster looms. 2,399,728; May 7.
- Fletcher, Norman, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft tension for Axminster looms. 2,407,773; Sept. 17.
- Fletcher Trust Company, assignee, trustee: *See*—
Starkey, William C.
- Fletcher, Wendall M., Portland, Maine. Pie crust or like former. 2,405,781; Aug. 13.
- Fletcher, William E.: *See*—
Huyett, Daniel D., and Fletcher.
- Flett, Lawrence H., Hamburg, N. Y., assignor to Allied Chemical Dye Corporation. Alkyl aromatic compounds. 2,393,526; Jan. 22.
- Flett, Lawrence H., Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation. Manufacture of detergents. 2,394,851; Feb. 12.
- Flett, Lawrence H., Hamburg, N. Y., assignor to Allied Chemical Dye Corporation. Mixtures of alkyl aryl sulphones. 2,397,133; Mar. 26.
- Flett, Lawrence H., and G. C. Toone, Hamburg, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Detergent composition. 2,401,726; June 11.
- Flexible Steel Lacing Company, assignee: *See*—
Carpenter, Richard M.
- Coats, Hugh L.
- Fleyscher, Maurice H., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Vat dyestuffs. 2,400,195; May 14.

- Flier, Samuel, Springfield, Mass. Watch box pad. 2,405,330; Apr. 11.
- Flight Transportation, Inc., assignee: *See*—Cornelius, George W.
- Flinn, George E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Piston ring seal. 2,402,033; June 11.
- Flint, Edward F., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Bubble cell. 2,406,211; Aug. 20.
- Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Seat for aircraft. 2,393,499; Jan. 22.
- Flint Machinery Company, assignee: *See*—Smith, Ralph W.
- Flisak, Alvin C., Haverstraw, L. Nicholl, Nyack, and W. P. Bider, Haverstraw, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Synthesis of isomer-free benzyl acetoacetic methyl ester. 2,413,493; Dec. 31.
- Flonair Stations Limited, assignee: *See*—Creed, Frederick G.
- Flocher, Anthony M., Brooklyn, assignor to Kerlo Corporation, New York, N. Y. Eye protecting shields. 2,410,490; Nov. 5.
- Flodman, Ernst G. A., Stocksund, Sweden. Pin drill and end mill. 2,393,361; Jan. 22.
- Flogaus, Howard A., Media, Pa., assignor to ACF-Beill Motors Company, New York, N. Y. Adjustable seat. 2,393,242; Jan. 22.
- Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Dispenser for sheet material. 2,394,991; Feb. 19.
- Flood, Edmund L., assignor to Consolidated Valve Aircraft Corporation, San Diego, Calif. Drill lubricant. 2,408,887; Oct. 1.
- Flood, Oscar S., Chicago, Ill. Face shield. 2,406,508; Aug. 27.
- Flor, John R., assignee: *See*—Neils, Charles E.
- Florence Pipe Foundry & Machine Company, assignee: *See*—Camerota, Louis A.
- Florence, Robert T., *See*—Bernardi, Dominic J., and Florence.
- Florence Stone Company, assignee: *See*—Hillebrand, Earl D.
- Flores, Herbert M., Schneider, Frank H.
- Florian, Ernst, and H. Petersen, Berlin-Reinickendorf, and M. Christian, Berlin-Dahlem, Germany; vested in the Alien Property Custodian. Variable pitch air propeller. 2,404,703; July 23.
- Florin Company, assignee: *See*—Fitz Simons, Ogden.
- Florjancic, Peter, and E. Boral, assignors to M. Bucher, Zurich, Switzerland. Hand shaft motion for hand looms. 2,405,782; Aug. 13.
- Florman, Irving, New York, N. Y. Filling arrangement for ball-pointed fountain pens. 2,408,256; Sept. 24.
- Florschutz, Fritz E., *See*—Dickinson, Robert C., Stuelein, and Florschutz.
- Flory, Leslie E., *See*—Morton, George A., and Flory.
- Flory, Leslie E., Princeton, N. J., assignor to Radio Corporation of America. Electronic timing device. 2,410,156; Oct. 29.
- Flory, Leslie E., Oaklyn, N. J., E. A. Massa, Osborn, Ohio, and G. A. Morton, Haddon Heights, N. J., assignors to Radio Corporation of America. Television transmitting apparatus. 2,404,046; July 16.
- Flory, Leslie E., and G. A. Morton, Princeton, N. J., assignors to Radio Corporation of America. Electronic computing device. 2,404,047; July 16.
- Florsdorf, Carl W., Lansdowne, Pa. Acetulinogen derived from winging house organisms. 2,405,740; Aug. 13.
- Florsdorf, Carl W., Upper Darby, assignor to Lyophilic-Cryochem Company, Philadelphia, Pa. Process. 2,396,561; Mar. 12.
- Florsdorf, Carl W., Upper Darby, assignor to Lyophilic-Cryochem Company, Philadelphia, Pa. Process, and product of dehydrating foodstuffs. 2,400,748; May 21.
- Flour Corporation, Ltd., The, assignee: *See*—De Flon, James G.
- Hutchinson, Arthur J. L., Stephens, Foster M.
- Flournoy, Alexander F., Shreveport, La. Aerator. 2,408,306; Sept. 24.
- Flow Controls, Incorporated, assignee: *See*—Hoessel, Anthony F.
- Flowers, Paul E., Shaker Heights, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Core controlling device for casting. 2,396,778; Mar. 19.
- Floyd, Oscar H., assignor to Kemlite Laboratories, Chicago, Ill. Photographic lighting apparatus. 2,394,966; Feb. 12.
- Fluchaire, Maurice L. A., Lyon, France; vested in the Alien Property Custodian. Producing solutions of chlorides of polyvinyl. 2,408,769; Oct. 8.
- Fluor Corporation, Ltd., The, assignee: *See*—De Flon, James G.
- Dewey, David B.
- Flurschmied, Cedric H., Bowdon, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Electric circuit interrupter. 2,413,555; Dec. 31.
- Fly Ash Arrator Corporation, assignee: *See*—Bullock, Ellis W.
- Flygare, Carl G., *See*—Belden, Albert G., Flygare, and Hill.
- Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine work head. 2,396,841; Mar. 19.
- Flynn, Anderson, *See*—List, Roland, and Flynn.
- Flynn, Andrew J., Jr., Lafayette, Calif. Antitipping device for infants' vehicles. 2,402,322; June 18.
- Flynn, Benjamin H., Alexandria, La., assignor, by mesne assignments, to The T. L. Smith Company, Milwaukee, Wis. Road material mixing machine. 2,397,782; Apr. 2.
- Focht, Nevil S., Syracuse, N. Y. Hydraulic shock absorber. 2,403,648; July 9.
- Focht, Nevil S., Syracuse, N. Y. Hydraulic shock absorber. 2,403,349; Oct. 15.
- Fodor, Andrew J., South Norwalk, Conn. Rotary cutter. 2,408,257; Sept. 24.
- Fodor, Perez H., assignor to Technical Securities Corporation, Los Angeles, Calif. Landing wheel drive. 2,408,163; Sept. 24.
- Fodor, Nicholas, Wilmette, Ill. Fuel pump. 2,395,964; Mar. 5.
- Foerste, William, Pelham Manor, assignor of one-half to E. A. Quarrie, Scarsdale, N. Y. Controlling the operation of luminescent lamps and other electrical apparatus. 2,393,865; Jan. 15.
- Fogie, Walter C., Campbell County, assignor of one-half to G. M. Lupton, Lynchburg, Va. Bottle inspection device. 2,395,620; Feb. 26.
- Fogliasso, Floyd, Arlington, Calif. Wire brush holder. 2,392,909; Jan. 15.
- Folberth, Frederick G. and W. M., Cleveland, Ohio. Windshield cleaner motor. 2,397,599; Apr. 2.
- Folberth, William M., *See*—Folberth, Frederick G. and W. M.
- Fol-Dec Seat Company, assignee: *See*—Neufeld, Leonard C.
- Földi, Zoltan, *See*—König, Rezo, Gerecs, and Földi.
- Foldy, Leslie L., New York, N. Y., assignor to The Brush Development Company, Cleveland, Ohio. Sound receiving system. 2,396,222; Mar. 5.
- Foley, Charles F., Detroit, Mich., assignor to Eureka Williams Corporation, Belt guard. 2,397,541; Apr. 2.
- Foley, Harold P., *See*—Letsinger, John H., and Foley.
- Folis, Frank L., Memphis, Tenn. Menu selector and recorder. 2,407,411; Sept. 10.
- Folke, Bengt E., Mamaroneck, assignor to Nathan Manufacturing Company, New York, N. Y. Mechanical lubricator. 2,406,590; Aug. 27.
- Folkers, Karl, *See*—Major, Randolph T., and Folkers.
- Folkers, Karl, Plainfield, E. Rogers, Cranford, and R. E. Heal, New Brunswick, assignors to Merck & Co., Inc., Rahway, N. J. Insecticides. 2,400,295; May 14.
- Folkers, Karl, Plainfield, and R. T. Major, Mountaineers, assignors to Merck & Co., Inc., Rahway, N. J. Production of erythrina alkaloids. 2,412,256; Dec. 10.
- Folkins, Hillis O., *See*—Bell, Richmond T., Folkins, and Thacker.
- Folkins, Hillis O., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Conversion of hydrocarbons. 2,399,174; Apr. 30.
- Folkins, Hillis O., Skokie, and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Hydrocarbon conversion. 2,402,034; June 11.
- Folkins, Hillis O., Skokie, and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Converting hydrocarbons. 2,411,200; Nov. 19.
- Folkman, Marvin L., Shaker Heights, Ohio. Syringe. 2,413,303; Dec. 10.
- Folland, Donald P., *See*—Jenks, Frederic A., and Folland.
- Jenks, Frederic A., Folland, Maeder, and Cooke.
- Folmer, Herman C. R., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Drying staple fibers. 2,400,747; Oct. 22.
- Folsom, Noel J., Narrows, Va., and S. M. Martin, Petersburg, W. Va., assignors to Celanese Corporation of America. Apparatus for producing staple fibers. 2,394,603; Feb. 12.
- Folsom, Theodore R., New York, N. Y. Freezing and drying liquids and semi-solids. 2,411,152; Nov. 19.
- Folst, Louis C., assignor to Edgewick Investment Co., Los Angeles, Calif. Plastic milk carton case. 2,409,748; Oct. 22.
- Fonberg, Zygmunt, New York, N. Y. Equilibrated rocket shell. 2,409,427; Oct. 15.
- Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Luminescent material. 2,398,629; Apr. 16.

- Ponda, Howard B., Yonkers, N. Y., assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Inhaler. 2,395,109; Feb. 19.
- Fonoband Sociedad Anonima Fonoimpresiones Sobre Bandas de Papel, assignee: See—
Iborra, Miguel M.
- Food Machinery Corporation, assignee: See—
Coons, Burton C.
Hait, James M.
Hait, James M., Devirian, and Rankin.
Hait, James M., and Keesling.
Holmes, Herbert G.
Kalmar, Arthur F.
Kalmar, Arthur F., and Stilwell.
Keech, Dana E.
Kerr, Charles E.
Lill, James E.
Rankin, Dan R.
Rankin, Dan R., and Reynolds.
Reynolds, George A., Jr.
Sells, Neal S.
Stilwell, Glenn E.
- Foose, George W., Sparks, Nev. Venetian blind holder. 2,398,524; Apr. 16.
- Foot, Edward H. W., assignor to The Tillage & Sub-Solling Company Limited, Beaconsfield, England. Endless track for vehicles. 2,398,630; Apr. 16.
- Foot, Edward H. W., assignor to The Tillage & Sub-Solling Company Limited, Beaconsfield, England. Endless track for vehicles. 2,398,633; Apr. 16.
- Foot, Alton G., Wickliffe, Ohio, assignor to General Electric Company, Lamp unit. 2,411,568; Nov. 26.
- Footo Bros., Gear and Machine Corporation, assignee: See—
Anderson, Rexford O., Landry, and Ardussi.
Anderson, Rexford O., and Welsh.
Mackmann, Arthur.
- Footo, Chauncey P., Jr., Yonkers, and C. D. Guertin, St. George, Staten Island, assignors to American Bank Note Company, New York, N. Y. Coated paper and making same. 2,402,542; June 25.
- Footo Company, Inc., The, assignee: See—
Farrell, John D.
- Footo, Donald S., Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Mixing machine. 2,406,535; Aug. 27.
- Footo Mineral Company, assignee: See—
Meyer, Hugh C., Jr.
- Footo, Thomas W., East Cleveland, Ohio. Chair construction. 2,412,251; Dec. 10.
- Forbes, Allan D., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic core structure. 2,393,038; Jan. 15.
- Forbes, Allan D., and M. G. Leonard, Sharon, Pa., and J. J. Halloran, Emeryville, Calif., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Separable connector for electrical apparatus. 2,397,097; Mar. 26.
- Forbes, Arthur L., Jr., assignor to Pressure Weld Company, Houston, Tex. Expanding head. 2,413,103; Dec. 24.
- Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,406,754; Sept. 3.
- Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,407,487; Sept. 10.
- Forbess, Delbert L., Hazel Park, Mich. Fish lure. 2,396,366; Mar. 12.
- Forbragd, John, Garden City, S. Dak. Tire inflating and testing device. 2,408,976; Oct. 8.
- Ford, Asa J., Kansas City, Kans. Mechanical grinding stone. 2,412,141; Dec. 3.
- Ford, Eugene A., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Perforating apparatus. 2,394,604; Feb. 12.
- Ford, Eugene A., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Impulse distributor. 2,401,419; June 4.
- Ford, Frank R., Sparkbrook, Birmingham, England. Duplicating machine. 2,398,888; Apr. 23.
- Ford, Frank R., Sparkbrook, Birmingham, England. Duplicating machine. 2,399,175; Apr. 30.
- Ford, Frank R., Sparkbrook, Birmingham, England. Duplicating machine. 2,399,176; Apr. 30.
- Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Computing instrument. 2,397,783; Apr. 2.
- Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Apparatus for determining ballistic factors. 2,397,784; Apr. 2.
- Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Fire control apparatus. 2,405,028; July 30.
- Ford, Hannibal C., Great Neck, and E. P. Ross, Forest Hills, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Stable vertical. 2,411,087; Nov. 12.
- Ford, Henry, Dearborn, C. E. Sorensen, Detroit, and R. H. McCarroll, assignors to Ford Motor Company, Dearborn, Mich. Centrifugal cast article and manufacture. 2,400,495; May 21.
- Ford, Henry, and D. Zoerlein, assignors to Ford Motor Company, Dearborn, Mich. Polarity reversing distributor. 2,402,543; June 25.
- Ford Instrument Company, Inc., assignee: See—
Arputh, Charles.
Buckley, Charles W.
Crooke, Raymond E.
Crowther, George A.
Ford, Hannibal C.
Ford, Hannibal C., and Ross.
Newell, William H.
Poitras, Edward J., and Tear.
Poitras, Edward J., Tear, and Newell.
Ross, Elliott P.
Tear, James D.
Tear, James D., and Buckley.
Tear, James D., and Ross.
Willard, Waldo W.
- Ford, James G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Laminating porous sheet materials. 2,399,338; Apr. 30.
- Ford, John R., Narberth, Pa., assignor to Radio Corporation of America. Amplifier gain control. 2,397,850; Apr. 2.
- Ford, John R., Narberth, Pa., assignor to Radio Corporation of America. Ultra high frequency oscillation. 2,412,805; Dec. 17.
- Ford Motor Company, assignee: See—
Brock, Harold L., and Simpkins.
Doering, Justus H., and McCarroll.
Ford, Henry, Sorensen, and McCarroll.
Ford, Henry, and Zoerlein.
Hinkle, Edward F., and Stewart.
Kramer, Clarence F., and Kerby.
Miller, Logan C., and Scarlett.
Newkirk, Daniel L., and Ensign.
Roberts, Albert O., and Wharam.
Roeder, Dale, and Nador.
Sorensen, Charles B.
Tinsler, Vernon R., and Brock.
Wharam, John J., and Pinardi.
Wharam, John J., and Robertson.
- Ford, Richard E., Philadelphia, Pa., and J. W. Hunt, Trenton, N. J., assignors to Continental Carpet Corporation, Philadelphia, Pa. Apparatus for making pile fabrics. 2,395,217; Feb. 19.
- Ford, Thomas A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical product and making the same. 2,394,701; Feb. 12.
- Ford, Gray P., Arlington, Va., assignor to United States of America as represented by the Secretary of Agriculture. Process for the coagulation of castillea latex. 2,411,033; Nov. 12.
- Ford, Wellman B., Hastings-on-Hudson, N. Y. Lining containers. 2,395,731; Feb. 26.
- Fordham, Thomas B., and T. W. Moore, Dayton, Ohio. Combined heating aid and radio receiving set. 2,409,481; Oct. 15.
- Fordon, Lee A., Detroit, Mich. Stacking and nesting boxes. 2,395,542; Feb. 26.
- Fordon, Lee A., Detroit, Mich. Bottle crate. 2,401,063; May 28.
- Foreman, Charles S., assignee: See—
Zeit, Arthur H.
- Forest City Products, Inc., assignee: See—
Nutt, Albert K.
- Forest Products Chemical Company, assignee: See—
Calder, Douglas S., and Fleer.
- Forestre, Angelo J., Sr., New Orleans, La. Fishing reel. 2,399,863; May 7.
- Forestre, Jasper A., Brooklyn, N. Y. Medical appliance. 2,406,600; Aug. 27.
- Forgrove Machinery Company Limited, The, assignee: See—
Russell, Alexander, Parker, and Harris.
- Forkner, John H., Fresno, Calif. Improving fats and oils by addition of olive and coconut color, odor and flavor derived from olive and coconut juices and the resultant product. 2,411,901; Nov. 19.
- Forman, Sylvanus E., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Preparation of acetylpropyl chloride. 2,397,134; Mar. 26.
- Forman, William O., assignor to Fitchburg Engineering Corporation, Fitchburg, Mass. Machine tool control. 2,400,515; May 21.
- Formals, William H.: See—
Kings, George E., and Formals.
- Forney, William B.: See—
Bax, Alfred R., Kiehlhorn, and Forney.
- Forrest, Mark L., Framingham, Mass. Two-cycle engine. 2,395,110; Feb. 19.
- Forrest, Mark L., Framingham, Mass. Power transmission mechanism. 2,397,312; Mar. 26.
- Forrest, Mark L., Leavenworth, Wash. Internal-combustion engine. 2,409,350; Oct. 15.
- Forrest, Victor E., Minneapolis, Minn. Door actuating mechanism. 2,411,869; Nov. 19.
- Forrester, Jay W.: See—
Brown, Gordon S., and Forrester.
- Forsberg, Delbert A., Madison, Wis. Tube cutting machine. 2,398,929; Apr. 23.
- Forsberg, Eric A., Nockeby, assignor to Aktiebolaget Separator, Stockholm, Sweden. Device for determining the deflection of rotating bodies. 2,403,513; July 9.

- Forss, Frithlof P., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Clip squeezing tool. 2,396,562; Mar. 12.
- Forster, Albert, Milanino, Italy, assignor to Buhler Brothers, Uxwil, Switzerland. Machine for cutting curved, self-conjugate indentations. 2,406,009; Aug. 20.
- Forster, Henry, Broadview, Ill. Two-cycle internal-combustion engine. 2,404,833; July 30.
- Forster, Lawrence H., assignee: *See*—
- Strother, Charles B.
- Forsner Chain Corporation, assignee: *See*—
- Forstner, William.
- Forstner, William, Irvington, N. J., assignor to Forstner Chain Corporation. Wrist watch strap. 2,401,297; June 4.
- Forsyth, Alexander R., Los Angeles, Calif. Water softener. 2,407,228; Sept. 10.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Supercharging arrangement. 2,395,262; Feb. 19.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex County, England. Propulsion means. 2,397,654; Apr. 2.
- Fort Howard Paper Company, assignee: *See*—
- Agamait, Edwin.
- Forster-Teichmann Company, assignee: *See*—
- Snyder, Harold H.
- Snyder, Harold H., and Bennett.
- Fortis, Oscar, Chicago, Ill., assignor to Automatic Burner Corporation. Self-leveling oil burner. 2,394,677; Feb. 12.
- Fortney, Marion F., Charleston, W. Va. Shoe sterilizer. 2,413,494; Dec. 31.
- Fosdick Machine Tool Company, The, assignee: *See*—
- Linden, Carl R., and McClellan.
- Fosgood Corporation, assignee: *See*—
- Kyles, Thomas H.
- Fossa, Joseph, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe upper lacing machine. 2,404,834; July 30.
- Fossa, Joseph, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,411,827; Nov. 26.
- Fossee, Rita B., assignee, et al.: *See*—
- Campbell, Charles A.
- Foster, Albert C.: *See*—
- Jones, Robert V., Foster, and Kilsby.
- Foster, Arch L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization process. 2,395,263; Feb. 19.
- Foster, Arch L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst preparation. 2,408,164; Sept. 24.
- Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Collapsible cooking receptacle. 2,395,794; Feb. 26.
- Foster, Charles E., Los Angeles, Calif. Safety fluorescent lamp guard for closed end reflectors. 2,399,339; Apr. 30.
- Foster, Claud: *See*—
- Strang, John M., and Foster.
- Foster, Frank A., Melrose Park, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate casting. 2,400,987; May 28.
- Foster, Frank A., Melrose Park, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate casting. 2,401,727; June 11.
- Foster, George H., Stamford, and E. F. Williams, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of crystalline materials. 2,395,856; Mar. 5.
- Foster, George H., Niagara Falls, N. Y., and E. F. Williams, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of crystalline materials. 2,395,857; Mar. 5.
- Foster, George H., Niagara Falls, N. Y., and E. F. Williams, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of crystalline materials. 2,395,858; Mar. 5.
- Foster, George H., Niagara Falls, N. Y., and E. F. Williams, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of crystalline materials. 2,395,859; Mar. 5.
- Foster, George H., Niagara Falls, N. Y., and E. F. Williams, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of crystalline materials. 2,395,860; Mar. 5.
- Foster, Harlan, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous compositions and electrical conductors insulated therewith. 2,403,215; July 2.
- Foster, Harry C., Alton, Ill., assignor to Olin Industries, Inc. Indexing mechanism. 2,404,369; July 23.
- Foster, Henry C.: *See*—
- Johnson, Bernard, and Foster.
- Foster, Hoyt K., Hollis, assignor to S. W. Farber, Inc., Brooklyn, N. Y. Filter plug. 2,392,656; Jan. 8.
- Foster, James L., Wichita Falls, Tex. Well explosive device. 2,408,419; Oct. 1.
- Foster, Levin W., Pittsfield, Mass., assignor to General Electric Company. Protective arrangement. 2,400,749; May 21.
- Foster, Louis W., Philadelphia, Pa. Garment belt. 2,405,647; Aug. 13.
- Foster Machine Company, assignee: *See*—
- Cotchett, Louis M.
- Cotchett, Louis M., Campbell, and Stange.
- Cotchett, Louis M., Campbell, Stange, and Arterton.
- Doughty, Howard W., Jr.
- Foster, Pell W., Jr., Englewood, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Vapor generating apparatus. 2,403,432; July 9.
- Foster, Richard H., H., assignee, et al.: *See*—
- Foster, Robert B.
- Foster, Robert B., assignor to R. H. H. Foster, Los Angeles, and R. E. Foster, Glendale, Calif. Ground speed meter for aircraft. 2,399,014; Apr. 23.
- Foster, Robert B., assignee, et al.: *See*—
- Foster, Robert B.
- Foster, Robert J., Pontiac, Mich. Sharpening device for cutlery. 2,397,256; Mar. 26.
- Foster, Scott H., Waban, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Separation and purification of isomeric dihydroxy diphenyl sulphones. 2,392,137; Jan. 1.
- Foster, Warren D., assignee: *See*—
- Oswald, Carl L.
- Foster Wheeler Corporation, assignee: *See*—
- Arnold, Stanfield N.
- Beach, Ludlow F.
- Falla, Fernando.
- Foster, Pell W., Jr.
- Frisch, Martin.
- Haase, Robert W.
- Hoyle, William N.
- Jones, Robert V., Foster, and Kilsby.
- Nilsson, Leif, and Finelli.
- Sampson, William.
- Fothergill, Robert E., J. W. Hill, and A. A. Johnson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified cellulose ester fibers. 2,406,755; Sept. 3.
- Fouke, George W., St. Louis, Mo. Liquid dispensing device. 2,400,084; May 14.
- Fould, Maurice P., Sharon, Pa. Building construction. 2,396,257; Mar. 12.
- Foulds, Charles V., Berkeley, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. High voltage current indicating and insulating means. 2,402,544; June 25.
- Foulger, John H., and P. E. Smith, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Indicating system. 2,409,749; Oct. 22.
- Foulke, Clarence D.: *See*—
- Gold, John D., and Foulke.
- Foulkes, Thomas E., Ilford, England. Storage arrangement. 2,405,416; Aug. 6.
- Found, Clifton G., Cleveland Heights, Ohio, assignor to General Electric Company. Electrode activation. 2,413,442; Dec. 31.
- Foundation for Clinical and Surgical Research, assignee: *See*—
- Tarbox, John P.
- Fountain, Guy R., Limited, assignee: *See*—
- Fougite, Henry J., and Marks.
- Fouré, Jacques: *See*—
- Gadoux, Eugène M., and Fouré.
- Fourness, Charles A., Appleton, and K. J. Harwood, Neenah, Wis., assignors to International Cellulotton Products Company. Packaging cellulosic pads. 2,413,556; Dec. 31.
- Four Wheel Drive Auto Co., The, assignee: *See*—
- Donley, Bartrum G., and Simonds.
- Fowle, John M., Piedmont, and H. E. Kennedy, Berkeley, Calif., assignors to The Linde Air Products Company. Line tracker control. 2,397,933; Apr. 9.
- Fowler, Bert F., Hinsdale, Ill., assignor to The Studebaker Corporation, South Bend, Ind. Backing wheel for belt type polishing machines. 2,402,131; June 18.
- Fowler, Earl W.: *See*—
- Schoenfeld, Kurt F. E., and Fowler.
- Fowler, Elbert, Mount Vernon, N. Y. Rotary pump. 2,397,098; Mar. 26.
- Fowler, George B., assignee, et al.: *See*—
- Pattilloch, Donald K.
- Fowler, George V., Henderson, N. C. Control mechanism. 2,400,816; May 21.
- Fowler, Harlan D., San Diego, Calif. Airplane construction. 2,407,747; Sept. 17.
- Fowler, Harwood E., Wayne, Pa. Method and apparatus for radium coating mechanism. 2,397,731; Apr. 2.
- Fowler, Leonard E., Detroit, Mich. Unitary engine compressor. 2,394,904; Feb. 12.
- Fowler, Ora S., Denver, Colo. Reel. 2,397,955; Apr. 9.
- Fowler, Victor M., Spokane, Wash. Ladder. 2,409,266; Oct. 15.
- Fowler, William F., Jr.: *See*—
- Kenyon, William O., and Fowler.
- Fowlkes, William, Casper, Wyo. Flower and plant container. 2,404,370; July 23.
- Fox, Alexander P., University City, L. C. Rotter, Maplewood, and G. K. Kna, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricant-receiving fitting. 2,400,817; May 21.

- Fox, Arthur G., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,396,044; Mar. 5.
- Fox, Arthur G., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance transformer. 2,411,534; Nov. 26.
- Fox, Arthur L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copper compounds of mercaptans derived from terpenes and producing them. 2,407,265; Sept. 10.
- Fox, Arthur L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copper compounds of mercaptans derived from pinene. 2,407,266; Sept. 10.
- Fox, Arthur L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Phthalocyanine sulfonylhydrazides. 2,413,224; Dec. 24.
- Fox, Burkett E.; See—
Croft, John J., and Fox.
- Fox, Charles L., Pella, Iowa. Internal-combustion engine. 2,399,998; May 7.
- Fox, Elmer H., assignor, et al.; See—
Bellows, Warren S.
- Fox, Frank, Halifax, England. Inking and lacquering rollers for lithographic, printing, and lacquering machines. 2,393,097; Jan. 15.
- Fox, Gordon; See—
Whitcomb, Arthur J., and Fox.
- Fox, John, assignee; See—
McDonnell, Stanley W.
- Fox, Joseph E., N. A. Nelson, and W. S. Quinley, Jr., Dayton, Ohio. Quartz crystal holder. 2,408,768; Oct. 8.
- Fox, Le Roy G., Los Angeles, assignor, by mesne assignments, to E & J Manufacturing Company, Glendale, Calif. Resuscitator insufflator aspirator. 2,408,136; Sept. 24.
- Fox, Martin, Dansville, N. Y. Beverage bottle carrier. 2,406,756; Sept. 3.
- Fox, Martin, Chicago, Ill., assignor to The Seng Company. Typewriter desk fixture. 2,411,088; Nov. 12.
- Fox, Martin, Chicago, Ill., assignor to The Seng Company. Convertible lounge. 2,412,329; Dec. 10.
- Fox, Milton R., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,392,471; Jan. 8.
- Fox, Mitchell, Stratford, Pa. Paint mixer. 2,392,731; Jan. 8.
- Fox, Oscar M., Pittsburgh, and W. B. Boyer, Oakmont, assignors to Blaw-Knox Company, Pittsburgh, Pa. Sealing means for soaking pit covers or the like. 2,394,298; Feb. 5.
- Fox Products Company, assignee; See—
Henke, Frederick W.
- Fox, Samuel S., and R. C. Palmer, Jr., West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Fuel proportioning device for pressure carburetors. 2,399,480; Apr. 30.
- Fox, Sherman H., assignor of one-eighth to C. T. Bennett, Silver City, N. Mex. Checkerboard. 2,398,368; Apr. 16.
- Fox, Sidney W., Ann Arbor, assignor to The Upjohn Company, Kalamazoo, Mich. Nicotinic acid processes. 2,413,615; Dec. 31.
- Fox, Vernie A., Detroit, Mich. Heat processing machine. 2,406,821; Sept. 3.
- Fox, Vernie A., Detroit, Mich. Control system and mechanism for heat processing machines. 2,406,822; Sept. 3.
- Foxboro Company, The, assignee; See—
Allen, Albert.
- Howe, Wilfred H.
- Franckel, Victor H., and S. Hansen, Schenectady, N. Y., assignors to General Electric Company. Light-impulse system. 2,409,030; Oct. 8.
- Fragen, Nathan; See—
Nysewander, Cecil W., and N. Fragen.
- Fragola, Caesar F.; See—
Depp, Marlin C., and Fragola.
- Fraim, Everett G.; See—
Gerhard, Anthony E., and Fraim.
- Fram Corporation, assignee; See—
Belling, Theodore H.
- Gunn, Earl G.
- Fram, David; See—
Holschuh, Carl G., and Fram.
- Fram, Clifton C., assignor to The G. M. Diehl Machine Works, Wabash, Ind. Core splicer. 2,407,070; Sept. 3.
- Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Industrial truck. 2,395,323; Feb. 19.
- Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pallet truck. 2,395,596; Apr. 30.
- Frampton, Forrest A.; See—
Cahill, Lysle D., Neff, and Frampton.
- Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Separation of isomeric paraffins. 2,402,954; July 2.
- Francis, Alfred W., Woodbury, N. J., and E. E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation. 2,397,542; Apr. 2.
- Francis, John B., assignor to Lee Clay Products Company, Incorporated, Clearfield, Ky. Curb outlet. 2,397,655; Apr. 2.
- Francis, John G., Heidelberg, near Melbourne, Australia. Watering trough for poultry and automatically controlling the supply of water thereto. 2,397,479; Apr. 2.
- Francis, Oliver T., Renville, Minn. Impulse duration responsive or indicating device. 2,399,668; May 7.
- Francis, Oliver T., Renville, Minn. Electronic ignition system. 2,409,202; Oct. 15.
- Francis, Victor J., Aylesbury, and E. H. Nelson, Harrow Weald, England, assignors to General Electric Company. Discharge lamp. 2,404,933; July 30.
- Francis, Wilbur C., Lees Summit, assignor of one-fourth to R. C. Burch and one-half to United Brick & Tile Company, Kansas City, Mo. Hydraulic lift assembly attachments. 2,403,356; July 2.
- Francisco, Damon E., Bronx, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Cream nail polish remover. 2,393,864; Jan. 29.
- Francisco, William H., Jr., Bloomfield, N. J., assignor to Wright Aeronautical Corporation. Combined air deflector and fin brace. 2,398,216; Apr. 9.
- Frank, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Forming closed metal capsules. 2,405,201; Aug. 6.
- Frank, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Sealed flexible coupling. 2,405,822; Aug. 13.
- Frank, Kurt; See—
Tuck, Davis H., Frank, and Quack.
- Frank, Kurt, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lighting unit. 2,394,992; Feb. 19.
- Franciare Company, assignee; See—
Miller, Frank W.
- Frandsen, Lawrence, assignor to National Antiseptics, Inc., Seattle, Wash. Antiseptic kit. 2,393,761; Apr. 23.
- Frandsen, Pearl, New York, N. Y. Sectional suitcase. 2,398,299; Apr. 9.
- Frangquist, Gustav H., Chicago, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Variable-speed device. 2,399,177; Apr. 30.
- Frank, Clarence E., Fraser, assignor to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,401,630; June 4.
- Frank, Clarence E., Fraser, assignor to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,409,031; Oct. 8.
- Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel construction. 2,406,068; Aug. 20.
- Frank, George H., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding device. 2,411,254; Nov. 19.
- Frank, Lonis, Fellows, Calif. Adjustable nut. 2,393,764; Jan. 29.
- Frank, Lonis, Fellows, Calif. Measuring spoon. 2,396,943; Mar. 19.
- Frank, Louis, Fellows, Calif. Strainer or egg poacher. 2,404,130; July 16.
- Frank, Louis, Fellows, Calif. Self-latching electric plug. 2,408,551; Oct. 1.
- Frank, Bengt E. E.; See—
Bieber, Clarence G., Franke, and Sumpter.
- Frankel, Enrique, Santiago, Chile. System for heating, cooling and air conditioning of buildings. 2,392,240; Jan. 1.
- Frankel, Leo, Chicago, Ill. Camera. 2,413,443; Dec. 31.
- Frankel, Milton, Keesler Field, Miss., and M. S. Agruss, assignors to The Pure Oil Company, Chicago, Ill. Obtaining low sulphur diisobutylene polymer. 2,394,678; Feb. 12.
- Frankel, Sydney, New York, N. Y., assignor, by mesne assignments, to M. J. Rymland, Baltimore, Md. Clip forming and applying machine. 2,391,891; Jan. 1.
- Frankenberg Bros., Inc., assignee; See—
Klein, Clarence F.
- Frankenstein, William P., Cincinnati, Ohio. Carton. 2,397,135; Mar. 26.
- Frankenstein, William P., Cincinnati, Ohio. Carton. 2,397,934; Apr. 9.
- Frankland, Earl M.; See—
Rose, Edwin L., Tweedale, Thomas, and Frankland.
- Franklin, Alan P., Lower Kingswood, England. Stereoscopic apparatus in relation to cinematograph reproduction and television. 2,410,725; Nov. 5.
- Franklin, Albert W., New York, N. Y. Structural unit. 2,401,474; June 4.
- Franklin, Edmon; See—
Wilkie, James W., and Franklin.
- Franklin, Joe L., Jr., Goose Creek, Tex., assignor to Standard Oil Development Company. Petroleum products. 2,393,154; Jan. 15.
- Franklin, Railway Supply Company, Inc., assignee; See—
Kirschhof, Julius.
- Franklin, Ralph E., Minneapolis, Minn. Adjustable neck-band for collars and shirts. 2,396,842; Mar. 19.
- Franklin, Robert B., Dallas, Tex., assignor to Playground Equipment Company. Amusement apparatus. 2,405,495; Aug. 6.
- Franklin, Robert B. W., Dallas, Tex. Amusement device. 2,403,593; July 9.

- Franklin, William B., Baytown, Tex., assignor to Standard Oil Development Company. Isomerization process. 2,407,488; Sept. 10.
- Frankovich, Alexander C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for whipping conductors. 2,398,217; Apr. 9.
- Frantz, Howard B., Jr.: *See—*
- Snell, William E., Frantz, and Hignutt.
- Frantz, John P., Chicago, Ill. Paperhanger's tool. 2,402,994; July 2.
- Frantz Manufacturing Co., assignee: *See—*
- Ferris, William D., and Wolf.
- Frang, Arvel O., Alton, Ill., and L. H. Juel, St. Louis, Mo., assignors to Olin Industries, Inc. Manufacture of chemical compounds. 2,403,068; July 2.
- Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus and method of handling strands. 2,393,243; Jan. 22.
- Franz, Frederick, West Haven, assignor to C. J. Bates & Son, Chester, Conn. Crochet needle. 2,402,388; June 18.
- Franz, Henry H.: *See—*
- Stewart, Robert J., and Franz.
- Franz, Raymond A., Wallingford, Pa., assignor to The United Gas Improvement Company. Chemical process. 2,392,910; Jan. 15.
- Franz, Raymond A., Wallingford, Pa., assignor to The United Gas Improvement Company. Distillation of aromatic olefines. 2,399,340; Apr. 30.
- Franz, Robert T.: *See—*
- Franz, Roscoe R., and R. T. Long Beach, Calif. Acid level indicator and electrolytic condenser for storage batteries. 2,400,228; May 14.
- Frauzen, James F., Chicago, Ill., assignor to Air Reduction Company, Incorporated. Apparatus for cutting metal along curved lines. 2,403,514; July 9.
- Fraser, Charles E.: *See—*
- Asch, Abraham B.
- Fraser, Charles E., Rockville Center, N. Y. Microphone. 2,393,518; Jan. 22.
- Fraser, Charles E., Clearwater, Fla. Filter cleaning mechanism. 2,396,779; Mar. 19.
- Fraser, Douglas, & Sons Limited, assignee: *See—*
- Fraser, Gordon S.
- Fraser, Gordon S., assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland. Silver roll forming and delivery apparatus. 2,413,042; Dec. 24.
- Fraser, Harold M., New Orleans, La., assignor to International Lubricant Corporation, New Orleans, La. Production of lubricants. 2,397,956; Apr. 9.
- Fraser, Henry, Arbroath, Scotland, assignor to Douglas Fraser & Sons Limited. Cupola installation and charging system therefor. 2,399,341; Apr. 30.
- Fraser, Walter A., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Fluorine-containing ceramics and making same. 2,407,874; Sept. 17.
- Fraser, Walter G., Jr., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat exchange apparatus. 2,412,573; Dec. 17.
- Frasset, Christopher, assignee: *See—*
- Des Roches, Hilton H.
- Fratte, Joseph E., Berkeley, and E. H. Oakley, El Cerrito, assignors to American Bitumuls Company, San Francisco, Calif. Bituminous emulsions. 2,406,823; Sept. 3.
- Frauenthal, Harold, assignor to The Dayton Engineering Corporation, Muskegon, Mich. Bearing. 2,398,669; May 7.
- Frawley, Robert N.: *See—*
- Martin, Edward J., Grinstead, and Frawley.
- Frazier, Pearl G., Des Moines, Iowa. Power transmission device. 2,398,900; Apr. 9.
- Frear, Jeness B., Evanston, assignor to Signode Steel Strapping Company, Chicago, Ill. Bundle and producing the same. 2,409,750; Oct. 22.
- Frearson, Thomas B.: *See—*
- Jackson, Thomas, and Frearson.
- Frens, George L., and
- Fene, William J., and Frens.
- Frens, Raymond L., Conshohocken, Pa. Safety landing device. 2,399,221; Apr. 30.
- Frech, Theodore W., Cleveland, Ohio, assignor to General Electric Company. Starting control for electric discharge device. 2,394,436; Feb. 5.
- Frederick, Charles W., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Trap for chips. 2,408,923; Oct. 8.
- Frederick, Emilie, Jr.: *See—*
- Irvine, Pergus A., and Frederick.
- Fredericks, Alfred, New York, N. Y. Zigzag stitching machine. 2,396,169; Mar. 5.
- Fredericks, George E., Meadowbrook, assignor to George E. Fredericks Company, Rotheryres, Pa. Gas flow resistance. 2,406,141; Aug. 20.
- Fredericks, George E., Bethayres, and J. Sivertsen, Philadelphia, assignors to George E. Fredericks Co., Bethayres, Pa. Electrolytic type of periodic circuit interrupter. 2,411,089; Nov. 12.
- Fredericks, George E., Company, assignee: *See—*
- Fredericks, George E.
- Fredericks, George E., and Sivertsen.
- Fredericksen, Arthur F., Milwaukee, Wis. Candy decorating apparatus. 2,405,879; Aug. 13.
- Fredrickson, Walter S., Fort Wayne, Ind. Liquid extract of coffee and extracting and preparing the same. 2,410,157; Oct. 29.
- Fredriksen, Clyde, Gurney, Wis. Outlet box and anchor therefor. 2,413,139; Dec. 24.
- Free Press Association, assignee: *See—*
- Powers, John W.
- Freed, Meyer L., Ansonia, assignor to The Seymour Manufacturing Co., Seymour, Conn. Electroplating nickel and cobalt, baths and agents therefor. 2,409,119; Oct. 8.
- Freed, Meyer L., Ansonia, and O. A. Stocker, New Haven, assignors to The Seymour Manufacturing Co., Seymour, Conn. Production of bright metallic deposits. 2,409,120; Oct. 8.
- Freed, William V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and production of vinyl esters. 2,411,962; Dec. 3.
- Freedlander, Abraham L.: *See—*
- Bacon, Henry M., and Freedlander.
- Freedlander, Abraham L., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Belt. 2,392,373; Jan. 8.
- Freedman, Bertha, assignee: *See—*
- Freedman, Hyman.
- Freedman, Hyman, New York, N. Y. Syringe. 2,399,796; May 7.
- Freedman, Hyman, assignor of one-half to B. Freedman, New York, N. Y. Surgical instrument. 2,393,319; Jan. 22.
- Freedman, Israel L., Washington, D. C. Sleeve construction. 2,394,541; Feb. 12.
- Freedman, Israel L., Washington, D. C. Sleeve construction. 2,402,619; June 25.
- Freedom, Thomas C.: *See—*
- Carlson, Vernon E., and Freedom.
- Freeland Spool and Bobbin Co., assignee: *See—*
- Martie, George B., Jr.
- Freeland, Ward C., Vassar, Mich. Needle sharpening device. 2,402,245; June 18.
- Freelander, Julius, Kansas City, Mo. Window screen catch. 2,413,443; Dec. 31.
- Freeman, Alpheus J., assignor, by mesne assignments, to G. S. Noble, Chicago, Ill. Casing. 2,410,206; Oct. 29.
- Freeman, Frank E., Bath, Maine. Assembling main reduction gears. 2,393,098; Jan. 15.
- Freeman, George, Bolton, England. Apparatus for checking gear wheels. 2,398,139; Apr. 9.
- Freeman, Henry D., Chicago, Ill. Lock. 2,400,229; May 14.
- Freeman, Horace, Three Rivers, Quebec, assignor to Consolidated Paper Corporation Limited, Montreal, Quebec, Canada. Bleaching and loading of papermaking fiber. 2,398,420; Apr. 16.
- Freeman, Hugh B., Washington, D. C. Furling. 2,397,957; Apr. 9.
- Freeman, Hugh B., Washington, D. C. Weapon. 2,397,958; Apr. 9.
- Freeman, Hugh B., and B. A. Wiener, Washington, D. C. Acoustic mine-sweeping device. 2,395,862; Mar. 5.
- Freeman, Lewis D., Richmond, Va. Cushioning device. 2,410,933; Nov. 12.
- Freeman, Lowell C.: *See—*
- Haberstump, Alfred H., and Freeman.
- Freeman, Lowell C., Schenectady, assignor to American Locomotive Company, New York, N. Y. Electric switch device. 2,400,499; May 21.
- Freeman, Raymond A., assignor, by mesne assignments, to The V & O Press Company, Incorporated, Hudson, N. Y. Stock feeding mechanism. 2,392,138; Jan. 1.
- Freeman, Robert M., U. S. Navy. Rotary belt loading machine. 2,413,316; Dec. 31.
- Freeman, Walter B., Cuyahoga Falls, and R. E. Lindemann, Barberton, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire building form. 2,413,443; Dec. 31.
- Freeman, Walter R., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Lubrication system. 2,394,437; Feb. 5.
- Freeman, Walter R., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Oil separator. 2,398,090; Apr. 9.
- Freeman, Walter R., St. Louis County, Mo. Bearing. 2,406,069; Aug. 20.
- Freer, Clyde P., assignor to The Halsey W. Taylor Company, Warren, Ohio. Water cooling apparatus. 2,403,272; July 2.
- Freer, Phelps M., Detroit, Mich. Brake. 2,393,980; Feb. 5.
- Freese, Charles E., Scotia, assignor to General Electric Company, New York, N. Y. Operating mechanism. 2,409,032; Oct. 8.
- Freese, Gerald J.: *See—*
- Dyer, Lloyd W., and Freese.
- Freese, Herman C., Houston, Tex. Window screen drain. 2,407,229; Sept. 10.

- Fregoele, Oscar, assignor to Hemphill Company, Central Falls, R. I. Yarn feed, binder, and cutter. 2,399,729; May 7.
- Fregoele, Oscar, assignor to Hemphill Company, Central Falls, R. I. Needle lever and latch opener. 2,400,636; May 21.
- Fregoele, Oscar, assignor to Hemphill Company, Central Falls, R. I. Knitted terry fabric. 2,400,637; May 21.
- Fregoele, Oscar, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,402,744; June 25.
- Fregoele, Oscar, assignor to Hemphill Company, Central Falls, R. I. Wrap horn mechanism. 2,402,745; June 25.
- Fregoele, Oscar, assignor to Hemphill Company, Central Falls, R. I. Fabric take-up. 2,406,285; Aug. 20.
- Fregoele, Oscar, assignor to Hemphill Company, Central Falls, R. I. Fashion mechanism. 2,411,255; Nov. 19.
- Fregoele, Oscar, assignor to Hemphill Company, Central Falls, R. I. Slider mechanism. 2,411,418; Nov. 19.
- Fregoele, Oscar, assignor to Hemphill Company, Central Falls, R. I. Wrap mechanism. 2,411,719; Nov. 26.
- Frei, Jakob B.; *See*: Spengler, Walter J., Togola, and Frei.
- Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition means. 2,391,958; Jan. 1.
- Frei, Jakob R., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrical connecting means and radio shielding means therefor. 2,405,881; Aug. 13.
- Frei, Jost; *See*: Graenacher, Charles, Frei, and Meyer.
- Freis, Frederick M., Chicago, assignor to Conlon Corporation, Cicero, Ill. Lap shelf for ironing machines. 2,400,497; May 21.
- Freisen, Edward C., assignor to Ex-Cell-O Corporation, Detroit, Mich. Retractable tool holding means. 2,412,038; Dec. 3.
- Fremlin, John H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge apparatus. 2,406,324; Sept. 3.
- Fremlin, John H., assignor to Standard Telephones and Cables Limited, London, England. High-frequency electron discharge apparatus. 2,411,535; Nov. 26.
- Fremlin, John H., and R. N. Hall, London W. C. 2, assignors to Standard Telephones and Cables Limited, London, England. Electron discharge apparatus. 2,410,054; Oct. 29.
- French, Edward A., and G. Sporney, Chicago, Ill., assignor to Birtman Electric Company, Split cast cylindrical housing for suction cleaners. 2,409,970; July 16.
- French, George F., assignor to F. French, Manchester, England. Ladder webbing. 2,408,839; Oct. 8.
- French, Henry C.; *See*: Kuehlman, Norman V., and French.
- French, Henry C., Elm Grove, assignor to The Hell Co., Milwaukee, Wis. Two-wheeled cable operated rear dump scraper. 2,404,482; July 23.
- French, Henry C., Elm Grove, assignor to The Hell Co., Milwaukee, Wis. Universal mounting for road machine mold boards. 2,412,574; Dec. 17.
- French, Henry C., Elm Grove, and N. V. Kuehlman, assignors to The Hell Co., Milwaukee, Wis. Scraper. 2,406,826; Sept. 3.
- French, Louis O., Milwaukee, Wis. Fuel injector. 2,392,874; Jan. 8.
- French, Louis O., Milwaukee, Wis. Fuel injection apparatus. 2,397,136; Mar. 26.
- French, Norman R., Pleasantville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Privacy system for speech transmission. 2,406,825; Sept. 3.
- French, Ogle F., Wichita, Kans. Washing machine for window blinds. 2,410,934; Nov. 12.
- French Oil Mill Machinery Company, The, assignee: *See*: Stacy, Thomas F.
- French, Robert E., assignor to Eastman Kodak Company, Rochester, N. Y. Indicator assembly. 2,401,682; June 4.
- Freres, Robert N., Rochester, N. Y., assignor to the United States of America, as represented by the Secretary of War. Autocollimating button and light shield therefor. 2,393,896; Jan. 29.
- French, Roger, assignee: *See*: French, G. F.
- Frerer, Paul G., assignor to Perfex Corporation, Milwaukee, Wis. Snap switch. 2,410,055; Oct. 29.
- Frusco, Jacques, Hollywood, Calif. Variable camber wing. 2,410,056; Oct. 29.
- Frese, Joseph F., Baltimore, Md. Electromagnet. 2,400,344; May 14.
- Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. High-frequency electrical switch and contactor system. 2,399,430; Apr. 30.
- Freund, Herman R., and C. G. Youngquist, assignors to Intertype Corporation, Brooklyn, N. Y. Apparatus for producing justified type matter. 2,395,659; Feb. 26.
- Freund, Dr. Robert R., assignee: *See*: Drexler, Charles, and Morgan.
- Freund, Robert R., Phillips, Tex., assignor to Phillips Petroleum Company, Crosshead. 2,404,835; July 30.
- Freund, Walter, Tel Aviv, Palestine. Accumulator. 2,405,349; Aug. 6.
- Freundlich, Albert, New York, N. Y., assignor to Spiral Binding Company, Inc. Loose-leaf binder. 2,413,616; Dec. 31.
- Frevel, Ludo K., assignor to The Dow Chemical Company, Midland, Mich. Removal of highly unsaturated hydrocarbon impurities from diolefin-containing mixtures. 2,398,301; Apr. 9.
- Frevert, Andrew W.; *See*: Gorham, John E., and Frevert.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion. 2,393,857; Jan. 29.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of benzene. 2,394,005; Feb. 12.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of motor fuel. 2,394,906; Feb. 12.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Diolefin preparation. 2,396,416; Mar. 12.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of diolefins. 2,402,277; June 13.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon reconstruction. 2,403,649; July 9.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reconstruction of paraffins. 2,403,650; July 9.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,403,714; July 9.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of motor-fuel hydrocarbons. 2,404,483; July 23.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Conversion of hydrocarbons. 2,411,256; Nov. 19.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fluorine removal process. 2,412,726; Dec. 17.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Azeotropic distillation of butadiene and 2-butene. 2,412,880; Dec. 17.
- Frey, Frederick E., and H. J. Hepp, Bartlesville, Okla., and G. H. Morey, Terre Haute, Ind., assignors to Phillips Petroleum Company. Thermally reacting hydrocarbons. 2,401,922; June 11.
- Frey, Frederick E., Bartlesville, Okla., and R. D. Snow, Edgewood, Md., assignors to Phillips Petroleum Company. Producing and concentrating diolefins. 2,407,825; Sept. 10.
- Freydberg, G. H., and E., Inc., assignee: *See*: Nimetz, Gertrude.
- Freygang, Walter H., Essex Fells, assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid medium dispensing apparatus. Re. 22,721; Feb. 12.
- Freygang, Walter H., Essex Fells, N. J., assignor to Kidde Manufacturing Co., Inc. Inflating device. 2,399,870; May 7.
- Freyng Engineering Company, assignee: *See*: Whitcomb, Arthur J.
- Whitcomb, Arthur J., and Fox.
- Frhang, Henry C.; *See*: Anthony, Herman R. C., and Frhang.
- Frick, William H.; *See*: Moecher, Henry, Jr., Frick, Meacham, and White.
- Friday, Paul D., Portland, Oreg. Packing box and trays. 2,393,099; Jan. 15.
- Friden Calculating Machine Co., Inc., assignee: *See*: Ellerbeck, Grant C.
- Friden, Carl M., and Machado.
- Friden, Carl M., and Moody.
- Moody, John L.
- Friden, Carl M., Pleasanton, and A. B. Machado, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Calculating machine. 2,399,917; May 7.
- Friden, Carl M., Pleasanton, and A. B. Machado, San Leandro, Calif., assignors to Friden Calculating Machine Co., Inc. Calculating machine. 2,401,473; June 4.
- Friden, Carl M., Pleasanton, and J. L. Moody, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Calculating machine. 2,403,069; July 2.
- Friden, Carl M., Pleasanton, and A. B. Machado, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Calculating machine. 2,403,273; July 2.
- Fridén, John H., Maplewood, assignor to Newark Engineering Company, Hillside, N. J. Printing machine. 2,399,630; May 7.
- Fridén, John H., Maplewood, assignor to Newark Engineering Company, Hillside, N. J. Article conveyor. 2,411,834; Dec. 3.
- Fridolph, Annette E., New York, N. Y. Combined heater and supporting member. 2,412,608; Dec. 17.
- Fried, Joseph A., Haddon Heights, N. J., assignor to Radio Corporation of America. Making mica capacitors. 2,403,871; July 16.
- Frieder, Leonard P.; *See*: Johnsen, Bjornulf.

- Frieder, Leonard P., assignee: *See*—
Finken, Walter S.
- Frieder, Leonard P., New York, N. Y. Parachute. 2,410,207; Oct. 29.
- Frieder, Leonard P., Rockville Centre, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Mechanical release. 2,406,010; Aug. 20.
- Frieder, Leonard P., Rockville Centre, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Parachute. 2,410,037; Oct. 29.
- Frieder, Leonard P., Rockville Centre, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Mechanical release. 2,410,816; Nov. 12.
- Friedheim, Ernst A. H., New York, N. Y. Long chain aliphatic hydrocarbon compounds of arsenic. 2,396,258; Mar. 12.
- Friedheim, Ernst A. H., New York, N. Y. Substituted 1,3,5-triazinyl- (6) - amino - phenyl arsenic compounds. 2,400,547; May 21.
- Friedheim, Ernst, Minneapolis, Minn. Cutting rake for crab grass and the like. 2,395,111; Feb. 19.
- Friedlander, Erich, North Wembley, assignor to The General Electric Company Limited, London, England. Electromagnetic pump. 2,397,765; Apr. 2.
- Friedlander, Erwin F., assignor to G. & F. Company Proprietary Limited, Hobart, Tasmania, Australia. Arc welding electrodes. 2,408,619; Oct. 1.
- Friedlander, Erwin F., assignor to G. & F. Company Proprietary Limited, Hobart, Tasmania, Australia. Arc welding electrodes. 2,408,620; Oct. 1.
- Friedman, Abraham, New York, N. Y. Removable shoulder pad. 2,408,840; Oct. 8.
- Friedman, Abraham, and P. Thompson, assignors to Unit Structures, Inc., Peshigo, Wis. Electric planer. 2,411,257; Nov. 19.
- Friedman, Abraham S.; *See*—
Hanisch, Max C., Jr.
- Friedman, Bernard S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Extracting an aromatic hydrocarbon from a mixture containing other hydrocarbons. 2,403,972; July 16.
- Friedman, Harold V., San Francisco, Calif. Drying apparatus. 2,394,605; Feb. 12.
- Friedman, Herbert, Arlington, Va. Radiographic exposure meter. 2,405,572; Aug. 15.
- Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Process and apparatus for making hollow rivets. 2,396,995; Mar. 19.
- Friedman, Joseph L., Mahassett, N. Y. Flying propeller toy. 2,410,726; Nov. 5.
- Friedman, Maurice, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Removal of tetraethyl lead from hydrocarbons. 2,392,845; Mar. 12.
- Friedman, William F., Washington, D. C. Cryptographic device. 2,395,863; Mar. 5.
- Friedrich, Albert; *See*—
Nallinger, Fritz, and Friedrich.
- Friedrich, Albert, and Kurt Cannstatt, Germany; vested in the Allen Property Custodian. Drive for oppositely rotating propellers. 2,394,299; Feb. 5.
- Friedrich, Ralph E.; *See*—
Robinson, Harold A., Friedrich, and Spencer.
- Friedrich, Robert E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contact structure. 2,406,327; Aug. 27.
- Friegel, William, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Shelf or rack for refrigerators, ovens, and the like. 2,410,648; Nov. 5.
- Frieheauf, Alexander, assignee: *See*—
Schutten, Joseph J.
- Friel, James C., assignee: *See*—
Lottthamer, Paul H.
- Fries, Eduard, Grilkon, Switzerland. Transformer with variable secondary reactance. 2,411,370; Nov. 19.
- Fries, Gustav, Berlin-Charlottenburg, Germany; vested in the Allen Property Custodian. Speaking machine. 2,396,563; Mar. 12.
- Friez, Reinhold, Lemmon, S. Dak. Disk grinding stand. 2,396,843; Mar. 12.
- Frlis, Harold F., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling system. 2,401,751; June 11.
- Frlis, Harold T., Rumson, and V. C. Rideout, Red Bank, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 2,406,364; Aug. 27.
- Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Vapor generator. 2,405,573; Aug. 13.
- Frische, Carl A.; *See*—
Hanson, Gerald N., Halpert, and Frische.
- Frische, Carl A., Leonia, N. J., G. P. Bentley, Wollaston, Mass., and P. Halpert, Elmhurst, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electrohydraulic control system. 2,398,421; Apr. 16.
- Frische, Carl A., Great Neck, G. P. Bentley, Garden City, and P. Halpert, Kew Gardens, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electrohydraulic control system. 2,408,770; Oct. 8.
- Frische, Carl A., Leonia, and G. N. Hanson, Wendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic climb and glide control for aircraft. 2,410,058; Oct. 29.
- Frischmann, George; *See*—
Murray, Thomas E., Phelps, and Frischmann.
- Frischmann, George J., Queens Village, and C. F. Brunner, Woodhaven, assignors to Metropolitan Engineering Company, Woodhaven, N. Y. Welder. 2,396,002; Mar. 5.
- Fritsch, Walter, assignee: *See*—
Conroy, Charles L., and Fritsch.
- Fritsch, Walter W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y.
- Fritschle, Arthur, University City, Mo., assignor to American Smelting and Refining Company, New York, N. Y. Dumping mechanism for molds. 2,409,121; Oct. 8.
- Fritschle, Arthur, University City, Mo., assignor to American Smelting and Refining Company, New York, N. Y. Oscillation generator. 2,409,920; Oct. 22.
- Fritts, Morris, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Spring holder for cantilever elements. 2,404,385; July 23.
- Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Tape working machine and method. 2,401,298; June 4.
- Fritzsch, Frank A., assignor to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Machine tool structure. 2,408,841; Oct. 8.
- Frixione, Pedro A., Buenos Aires, Argentina. Paper bag having a burlap sampling zone. 2,410,282; Oct. 29.
- Frock, George; *See*—
Lindsey, Roy B., and Frock.
- Froelich, Herman C., Cleveland, Ohio, assignor to General Electric Company. Strontium aluminate phosphor. 2,392,814; Jan. 15.
- Froelich, Herman C., Cleveland, Ohio, assignor to General Electric Company. Luminescent material. 2,402,955; July 2.
- Froelich, Herman C., Cleveland, Ohio, assignor to General Electric Company. Phosphors and their stabilization. 2,408,821; Oct. 1.
- Froelich, Kurt, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Scavenging reversible internal-combustion engine. 2,394,237; Feb. 5.
- Fröhlich, Hans, Zug, Switzerland, assignor to Landis & Gyr, A. G. Note-frequency remote control installation. 2,396,944; Mar. 19.
- Frohnape, Alvah V., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,411,419; Nov. 19.
- Frolander, Frank C., Elizabeth, N. J., assignor to Mergenthaler Linotype Company. Typographical composing machine. 2,399,999; May 7.
- Frolich, Per K., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Rubberlike polymeric substance and producing it. 2,392,847; Jan. 15.
- Fromson, George W., Manchester, England. Extendible bearer or support for temporary or permanent use in building construction. 2,403,853; July 9.
- Frosch, Alex., Houston, Tex., assignor to Standard Oil Development Company. Well logging. 2,412,575; Dec. 17.
- Frost, Elliot S., assignee: *See*—
Findlay, Albert J.
- Frost, John B., assignee: *See*—
Findlay, Albert J.
- Frost, Amy L., executor, et al.; *See*—
Frost, Frank R.
- Frost, Douglas V., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Therapeutic solutions. 2,407,412; Sept. 10.
- Frost, Frank R., deceased; A. L. Frost, E. F. Potter, and The Union Trust Company of Pittsburgh, executors; said E. R. Frost assignor to Superior Steel Corporation, Pittsburgh, Pa. Making bimetallic products. 2,413,317; Dec. 31.
- Frost, Horace E., Grand Rapids, Mich. Indoor latch and lock. 2,407,775; Sept. 17.
- Frost, J. G., assignee: *See*—
Beckstrom, Harry A.
- Frost, Leslie E.; *See*—
Pendleton, Wesley W., and Frost.
- Frost, Orcutt W., Highland Park, and G. S. Willey, assignors to United States Gypsum Company, Chicago, Ill. Apparatus for making curved cellulosic sheets. 2,399,906; Mar. 19.
- Frost, Orcutt W., Highland Park, and J. H. Conover, assignors to United States Gypsum Company, Chicago, Ill. Building element. 2,398,632; Apr. 16.
- Frost, William F.; *See*—
Hull, Harvan L., Corril, and Frost.
- Fruehauf Trailer Company, assignee: *See*—
Reid, Frederick M.
- Fruit & Vegetable Processing Co., assignee: *See*—
Wilson, William H.
- Frum, General S., Hollidays Cove, W. Va., assignor to National Steel Corporation. Apparatus for drying strip-like material. 2,402,545; June 25.
- Fruth, Hal F., Skokie, Ill. Making electrical resistors. 2,400,404; May 14.
- Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Apparatus for making piezoelectric crystals. 2,404,282; July 16.
- Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Apparatus for grinding the surfaces of small objects. 2,405,417; Aug. 6.

- Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Method and apparatus for grinding small objects. 2,410,491; Nov. 5.
- Fry, Benjamin W., University City, assignor to National Vendors, Inc., St. Louis, Mo. Vending machine. 2,413,304; Dec. 31.
- Fry, Douglas J.: *See*—
Kendall, John D., and Fry.
- Kendall, John D., Fry, and Brooks.
- Fry, George H., New Hyde Park, and W. J. Beck, Yonkers, N. Y. Sealing apparatus. 2,395,387; Feb. 26.
- Fry, John J., Bremerton, Wash. Reglet. 2,405,202; Aug. 6.
- Frye, Enoch M.: *See*—
Seaver, John D., and Frye.
- Fryer, Louis S.: *See*—
Kline, Hayden B., Fryer, and MacLaurin.
- Fryling, Charles F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization in aqueous emulsion. 2,392,585; Jan. 8.
- Fryling, Charles F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of unsaturated organic compounds in the presence of sulphur-containing modifiers of polymerization. 2,396,997; Mar. 19.
- Fryling, Charles F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of butadiene-1,3 hydrocarbons. 2,401,346; June 4.
- Fuchs, Alfred E.: *See*—
Fuchs, John R., and A. R.
- Fuchs, Charles F.: *See*—
Kharasch, Morris S., and Fuchs.
- Fuchs, John R., and A. R., Kansas City, Mo. Slicing device. 2,407,638; Sept. 2.
- Fuchs, Morton, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Phase comparison system. 1,407,659.
- Fuchs, Morton, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Shielded loop antenna. 2,393,981; Feb. 5.
- Fuchs, Morton, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Differential coupling arrangement. 2,397,545; Apr. 2.
- Fuchs, Walter M.: *assignee: See*—
Jahoda, Edward, and Wittenmyer.
- Fuday, Leo F.: *See*—
Keller, William C., and Fuday.
- Fuel Charger Corporation, assignee: *See*—
Parsons, Ben G.
- Fuel Refining Corporation, assignee: *See*—
Otto, Carl.
- Fuel Saver Corporation, assignee: *See*—
Pernet, Joseph E.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Flash lamp synchronizing apparatus. 2,405,741; Aug. 13.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Setting shutter drive. 2,410,649; Nov. 5.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter blade opener. 2,412,681; Dec. 17.
- Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric motor. 2,393,527; Jan. 22.
- Fukal, Alfred P., Cambridge, Ohio, assignor to Continental Can Company, Inc., New York, N. Y. Globe. 2,405,418; Aug. 6.
- Fulfer, Glen, San Francisco, Calif. Taping machine. 2,405,742; Aug. 13.
- Fulke, Frank L., Terre Haute, Ind. Method of and apparatus for making bits. 2,403,651; July 9.
- Fulke, Frank L., assignor to Frank Prox Company, Inc., Terre Haute, Ind. Coal cutting bit and holder therefor. 2,396,945; Mar. 19.
- Fulke, Frank L., assignor to F. Prox Company, Inc., Terre Haute, Ind. Lubrication for mining machine chains. 2,400,230; May 14.
- Fulke, Frank L., assignor to Frank Prox Company, Inc., Terre Haute, Ind. Mining machine chain. 2,409,978; Oct. 22.
- Fuller, Allen R., assignor to A. E. Staley Manufacturing Co., Decatur, Ill. Sizing material. 2,403,515; July 9.
- Fuller Brush Company, The, assignee: *See*—
Cave, Henry.
Le Febvre, Alfred L.
- Fuller Company, assignee: *See*—
Gaffney, Joseph B.
- Fuller, Cyril, assignee: *See*—
Burry, Arthur A.
- Fuller, Everett W., and H. G. Berger, Woodbury, and R. H. Williams, Merchantville, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition and improving agent. 2,411,153; Nov. 19.
- Fuller, Frederic B.: *See*—
Gulbert, Francis W., and Fuller.
- Fuller, Frederick L., deceased, West Orange, by S. B. Harrison, East Orange, N. J., and J. G. Phillips, executors, assignors to International Business Machines Corporation, New York, N. Y. Printing machine. 2,408,622; Oct. 1.
- Fuller Label & Box Company, assignee: *See*—
Hardesty, Eugene.
- Fuller Manufacturing Co., assignee: *See*—
Buckus, Thomas, and Parriss.
- Trail, Herbert H.
- Fuller, Richard B., Washington, D. C. Cartography. 2,393,676; Jan. 29.
- Fullerton, Dick J. Jr., New York, N. Y. Variable speed transmission. 2,397,430; Apr. 2.
- Fullerton, George H., Laurel Park, N. C., and T. V. Moss, Hunting Valley, Ohio. Cordlike product. 2,403,652; July 9.
- Fullerton, Robert H., assignor to C. R. Stewart, Birmingham, N. Y. Lock nut. 2,396,259; Mar. 12.
- Fulton Company, The, assignee: *See*—
Riemann, Howard C., and Thorp.
- Thorp, Joel R., and Strand.
- Fulton, John W., Wickliffe, Ohio, assignor to General Electric Company. Electric discharge device. 2,400,345; May 14.
- Fulton, John W., Wickliffe, Ohio, assignor to General Electric Company. Filament joint for electric lamps or similar devices. 2,403,070; July 2.
- Fulton, Oliver H., Jr., Montclair, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,396,170; Mar. 5.
- Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Fuel feeder. 2,395,732; Feb. 26.
- Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Rotary burner. 2,395,733; Feb. 26.
- Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Automatic stoker. 2,402,810; June 25.
- Fulton, Wilbur C., Wilkensburg, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Control system. 2,412,581; Dec. 17.
- Funk, Robert V., assignee: *See*—
Ennis, George H.
- Funk, Rudolph, Warminster, Pa. Lock nut. 2,406,070; Aug. 20.
- Funk, Truman B., assignor to Yard-Man, Inc., Jackson, Mich. Steering column construction for industrial trucks. 2,398,498; Apr. 16.
- Funke, Fred W., Oakland, assignor to Robert St. J. Orr, San Francisco, Calif. Fog producing nozzle. 2,395,621; Feb. 26.
- Funsten, Stanard R., Pasadena, assignor to Filtril Corporation, Los Angeles, Calif. Acid activated clay. 2,398,825; Apr. 23.
- Furber, George, assignee: *See*—
Gilkey, Guy B.
- Furbish, Edward L., Chicago, Ill. Stool seat. 2,410,727; Nov. 5.
- Furgical, Frank L., Dover, N. H. Lug strap and power stick for looms. 2,409,482; Oct. 15.
- Furkert, Ernst A., Chicago, Ill. Heat-treating apparatus. 2,407,320; Sept. 10.
- Furlaud, Maxime H., Buenos Aires, Argentina. Treatment of beryl. 2,399,178; Apr. 30.
- Furman, Frank J.: *See*—
Mills, Albert W., Furman, and Rabenda.
- Rabenda, Edward J., and Furman.
- Furman, John R., Kerrville, Tex. Smoker's ash and stump receiver and isolator. 2,411,569; Nov. 26.
- Furnace Engineers, Inc., assignee: *See*—
Dobrin, Harry.
- Furry, John F., assignor to Outboard, Marine & Manufacturing Company, Galesburg, Ill. Engine and engine cooling method. 2,408,886; Oct. 1.
- Furth, Matthew A.: *See*—
Hall, Garland W., Sens, and Furth.
- Fuscaldo, Ottavio, Milan, Italy: vested in the Alien Property Custodian. Internal-combustion engine. 2,410,728; Nov. 5.
- Fusfeld, Herbert I.: *See*—
Read, Thomas A., Fusfeld, and Kitchen.
- Fyfe, Charles E., Pittsburgh, Pa. Pendant suspension. 2,402,956; July 2.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Noise limiting circuit. 2,404,626; July 23.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Antenna system. 2,405,123; Aug. 6.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Cushion mounting. 2,406,601; Aug. 27.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Frequency modulation receiving apparatus. 2,412,039; Dec. 3.
- G-M Laboratories Inc., assignee: *See*—
McMaster, Archie J., and Jacobson.
- McMaster, Archie J., and Young.
- Gabriel Company, The, assignee: *See*—
Beecher, Eugene L.
- Gabriel, Paul P., Bridgeport, Conn. Cutting oil. 2,412,082; Dec. 3.
- Gabriel, Ralph P.: *See*—
Adorjan, Paul, and Gabriel.

- Gabriel Steel Company, assignee: *See*—
Zabriske, William F.
- Gaddini, Norman B., Winters, Calif. Fruit halving and pitting machinery, 2,403,516; July 9.
- Gaddini, Norman B., Winters, Calif. Fruit holder, 2,403,517; July 9.
- Gaddini, Norman E., Winters, Calif. Holding unit for fruit, 2,403,518; July 9.
- Gadoux, Eugène M., Cormeilles-en-Parisis, and J. Fouré, Paris, France. Two stroke engine, 2,405,350; Aug. 6.
- Gadoux, Eugène M., Cormeilles-en-Parisis, and J. Fouré, Paris, France. Platon engine, 2,405,555; Oct. 15.
- Gaenssle, Paul W.: *See*—
Ekergatan, Carlous L., Coombes, and Gaenssle, Ekergatan, Carlous L., Gaenssle, and Kaiser.
- Gaenssle, Paul W., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake mechanism, 2,406,212; Aug. 20.
- Gacruner, Glenon, La Grange, Tex. Concrete mixer, 2,397,851; Apr. 2.
- Gaffney, Clifford, Springfield, Ill. Towel rack, 2,401,148; May 28.
- Gaffney, Joseph B., Hokenaqua, assignor to Fuller Company, Catawaqua, Pa. Material level indicator, 2,399,015; Apr. 23.
- Gagas, Stanley, Perkasie, Pa. Sinker head, 2,405,351; Aug. 6.
- Gage, Edward G., Brooklyn, assignor of two-thirds to L. Ottinger, New York, N. Y. Tri-dimensional radio navigational system, 2,399,671; May 7.
- Gage, Edward G., Brooklyn, assignor of two-thirds to L. Ottinger, New York, N. Y. Safety filter condenser for operation of cathode-ray tubes and the like, 2,400,750; May 21.
- Gage, Edward G., Brooklyn, assignor of two-thirds to L. Ottinger, New York, N. Y. Safety high-voltage rectifier, 2,400,751; May 21.
- Gage, William P., San Anselmo, Calif., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversions, 2,392,284; Jan. 1.
- Gager, Robert F.: *See*—
Sonnichsen, Harold M., and Gager, Yates, E. S., and Gager.
- Gagnebin, Albert P., Red Bank, and E. M. Wise, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Producing alloyed iron rolls, 2,399,730; May 7.
- Gagnon, Charles L., Green Bay, Wis. Burner device for furnaces, 2,411,324; Nov. 19.
- Gagnon, Joseph X., Chicopee Falls, assignor to The Standard Corset Company, Holyoke, Mass. Garment, 2,402,323; June 18.
- Gailus, George, Stillwater, Minn. Hoe, 2,407,740; Sept. 17.
- Gaines, Walter S., Chagrin Falls, Ohio, assignor, by mesne assignments, to Republic Industries, Inc., New York, N. Y. Container and closure therefor, 2,404,777; July 30.
- Gaiser, Martin W., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Adjustment system, 2,405,410; Aug. 6.
- Gali, Alessandro, Oltrona Al Lago, Gavirate, Varese, Italy; vested in the Alien Property Custodian. Firearm, 2,396,564; Mar. 12.
- Galber, Harry, and A. J. Golick, assignors to I. F. Laucks, Inc., Seattle, Wash. Cold pressure gluing without retaining clamps, 2,402,492; June 18.
- Galbreath, Robert H., assignor to Howry-Berg, Inc., Denver, Colo. Loading attachment for tractors, 2,395,622; Feb. 28.
- Galbreath, Robert R., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Condenser transmitter-amplifier system, 2,396,691; Mar. 19.
- Gale, James A., New York, N. Y. Sheet slitting device, 2,409,203; Oct. 15.
- Gale, Richard D., assignee, et al.: *See*—
Dessaur, Murray.
- Gale, Shirley L., Plainfield, J. M. Moran, South Plainfield, and W. B. Helz, Bethel Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Method and apparatus for analyzing iron sludge, 2,405,137; Aug. 6.
- Galen, Clarence W., assignor to The Duplex Printing Press Company, Battle Creek, Mich. Incendiary projectile, 2,402,811; June 25.
- Gallon Metallic Vault Company, The, assignee: *See*—
Blizantz, Fred.
- Gallitzstein, Eugen G., London, and C. Woolf, Finchley, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of ethyl chloride, 2,398,179; Apr. 9.
- Gall, Carl, and F. J. Prucha, Omaha, Nebr., assignors to American Smelting and Refining Company, New York, N. Y. Rotating table casting apparatus, 2,412,040; Dec. 8.
- Gall, George E., assignor to Anker-Holth Manufacturing Company, Inc., Chicago, Ill. Pump, 2,407,923; Sept. 17.
- Gall, James E., Washington, D. C. Shaft locking device, 2,409,204; Oct. 15.
- Gallagher, Thomas F., and W. P. Long, Chicago, Ill., assignors to the Government of the United States of America, as represented by the Secretary of War and his successors in office. Derivatives of the cyclopentanoperhydrophenanthrene series and making same, 2,397,656; Apr. 2.
- Gallagher, William F., Springfield, Mass. Hygroscopic material dispenser, 2,408,058; Sept. 24.
- Gallagher, William F., assignor to International Register Company, Chicago, Ill. One-way drive device, 2,400,818; May 21.
- Gallaher, Andrew J., St. Louis, Mo. Heat exchange device, 2,393,543; Feb. 26.
- Gallamore, Oliver H., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Grip for hoists, 2,410,378; Oct. 29.
- Gallant, Charles J.: *See*—
Gillum, Donald B., and Gallant.
- Gallanty, Irving B., New York, and R. M. Larsen, Rockville Centre, N. Y. Tongue cleaning device, 2,405,029; July 30.
- Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Dust shield, 2,406,213; Aug. 20.
- Gallay, Wilfred, and G. G. Graham, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Production of laminated structures, 2,393,100; Jan. 15.
- Gallay, Wilfred, and I. E. Puddington, Ottawa, Ontario, Canada, assignors, by mesne assignments, to Standard Oil Development Company, Linden, N. J. Lubricants, 2,394,907; Feb. 12.
- Gallmore, Keith F.: *See*—
Kraut, Hans B., and Gallmore.
- Gallmore, Keith F., and H. B. Kraut, assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Machine tool, 2,400,819; May 21.
- Gallmeyer & Livingston Company, assignee: *See*—
De Young, Martin.
- Gallo, Frank M.: *See*—
Murray, Loyd D., and Gallo.
- Gallo, Sebastiano, Brooklyn, N. Y. Platform shoe, 2,411,682; Nov. 26.
- Galloway, Clarence T.: *See*—
Barker, Paul F., Hartman, Galloway, and Kunes.
- Galloway, Clarence T., assignor to Gleason Works, Rochester, N. Y. Gear grinding machine, 2,395,544; Feb. 26.
- Galloway, Jesse C., North Little Rock, Ark. Lathe spindle, 2,392,037; Jan. 1.
- Galloway, William S., and J. Anderson, Glasgow, Scotland, assignors to Joy Manufacturing Company, Franklin, Pa. Hydraulic machine, 2,411,258; Nov. 19.
- Gallowhur Chemical Corporation, assignee: *See*—
Delano, William R. F., and Meissner.
- Miller, William H., Jr.
- Gallowhur, George, Reading, Vt. Sun-bathing apparel, 2,391,959; Jan. 1.
- Gallup, Ethel C., New York, N. Y. Cigarette rolling machine, 2,406,675; Aug. 27.
- Gallusser, Hans, Geneva, Switzerland. Electric furnace process for producing molten iron from iron ore, 2,403,715; July 9.
- Galman, Max, assignee: *See*—
Bartha, Sander B.
- Galson, Henry L., assignor to Carrier Corporation, Syracuse, N. Y. Humidifier system, 2,395,660; Feb. 26.
- Galstaun, Lionel S., Oakland, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Moisture removal in isomerization processes, 2,407,231; Sept. 10.
- Galter, Jack, Chicago, Ill. Cigar and cigarette lighter, 2,406,071; Aug. 20.
- Galvin Manufacturing Corporation, assignee: *See*—
Bond, Marion E.
- Fruth, Hal F.
- Holthouse, Harry B.
- Magnuskie, Henry.
- Mitchell, Donald H.
- Vogel, William W.
- Gambitta, Alfred R., Jersey City, N. J., assignor to Phelps Dodge Copper Products Corporation, Dover, Del. Cable joint, 2,406,676; Aug. 27.
- Gamble Brothers, assignee: *See*—
Dosker, Cornelius D.
- Gamble, Hedwig, assignee: *See*—
Horgan, George D.
- Gamble, William R., Los Angeles, Calif. Booster pressure relief valve, 2,401,237; May 28.
- Gamma, John A., assignor to Bryn Mawr Laboratory, Chicago, Ill. Manufacture of amino acids, 2,405,574; Aug. 13.
- Gammell, Ernest O., Floral Park, N. Y., assignor to American Telephone and Telegraph Company. Teletypewriter secrecy system, 2,401,474; June 4.
- Gammell, Ernest O., Floral Park, N. Y., assignor to American Telephone and Telegraph Company. Teletypewriter secrecy system, 2,401,475; June 4.
- Gammeter, John R., Akron, Ohio. Ball-winding machine, 2,408,552; Oct. 1.

- Ganci, Charles J., Ridgewood, N. Y., assignor to Ward Leonard Electric Company. Resistive device and making. 2,413,043; Dec. 24.
- Gandelot, Howard K., Grosse Pointe, assignor to General Motors Corporation, Detroit, Mich. Electric switch. 2,430,483; Oct. 15.
- Ganeles, Wolf, Brooklyn, N. Y. Laundry machine. 2,402,278; June 18.
- Gans, David M., assignor to International Chemical Corporation, New York, N. Y. Textile printing composition and fabric. 2,394,542; Feb. 12.
- Gans, David M., assignor to Interchemical Corporation, New York, N. Y. Textile printing paste and fabric. 2,394,543; Feb. 12.
- Ganter, Hugh C.; *See—*
Patterson, Alonzo C., and Ganter.
- Gantner, William A., Wilkinsburg, assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,402,389; June 18.
- Gantnier, Frank J., assignor of one-half to R. F. Gantnier, Binghamton, N. Y. Automobile license plate. 2,406,286; Aug. 20.
- Gantnier, Robert F., assignee: *See—*
Gantner, Frank J.
- Ganz, Albert G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-voltage transformer. 2,412,609; Dec. 17.
- Garabedian, Haig S., Watertown, Mass. Spraying apparatus. 2,395,309; Apr. 16.
- Garard, John C., Springfield, Mass. Actuating mechanism for gas operated firearms. 2,393,627; Jan. 29.
- Garard, John C., Springfield, Mass. Riding. 2,397,544; Apr. 2.
- Garard, John C., Springfield, Mass. Sight. 2,406,011; Aug. 20.
- Garassino, Stephen, San Francisco, Calif. Sheet material feeder control mechanism. 2,391,892; Jan. 1.
- Garber, Charles O., Mount Joy, Pa. Balance unit and a basic posture balance process. 2,398,218; Apr. 9.
- Garber, Claude Y.; *See—*
Zeigler, William L., and Garber.
- Garbisch, Norbert S., assignee: *See—*
Bair, George J.
- Garceau, Lovett, Holliston, Mass. Electroencephalograph device. 2,409,033; Oct. 8.
- Garcia, Ivan M. A., Bremerton, Wash. Sewing machine. 2,407,148; Sept. 3.
- Gardella, Albert B., Cleveland, Ohio. Strip assembling and finishing machine. 2,392,375; Jan. 8.
- Gardenhour, Allen J., Waynesboro, Pa. Electric heater. 2,405,783; Aug. 13.
- Gardner, Clyde B., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Caustic products. 2,403,071; July 2.
- Gardner, Clyde B., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Stabilized 2-chlor-butene-2. 2,407,149; Sept. 3.
- Gardner, Clyde B., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Trimethylene chlorbromide. 2,412,882; Dec. 17.
- Gardes, Alfred W., Detroit, Mich., assignor to McCord Corporation. Heater attachment for fans. 2,411,782; Nov. 26.
- Gardiner, Arthur W., and J. L. Goldthwaite, Indianapolis, Ind., assignors to General Motors Corporation. Torque meter. 2,397,935; Apr. 9.
- Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,403,519; July 9.
- Gardiner, Neville N.; *See—*
Curmude, Harry P., and Gardiner.
- Gardiner, Paul C.; *See—*
Watts, Donald E., and Gardiner.
- Gardiner, Paul C., Scotta, and J. E. Maynard, Schenectady, N. Y., assignors to General Electric Company. Calibrating device. 2,409,845; Oct. 22.
- Gardiner, William C., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Electrolysis of magnesium chloride fusions. 2,396,171; Mar. 5.
- Gardiner, William C., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Electrolytic cell. 2,401,821; June 11.
- Gardner, Charles E., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Package. 2,396,565; Mar. 12.
- Gardner, Charles E., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Bag manufacture. 2,412,501; Dec. 10.
- Gardner, Clark B., Osage, Iowa. Toy. 2,402,390; June 18.
- Gardner, Dale, Detroit, Mich., assignor to G. M. and E. Holley. Hot spot manifold. 2,395,264; Feb. 19.
- Gardner, Daniel, New York, N. Y., assignor to Gardner Thermal Corporation. Production of aluminum. 2,400,000; May 7.
- Gardner, Daniel, New York, N. Y., assignor to Virginia Metal Industries, Inc. Treating iron ores containing chromium and related oxides. 2,409,428; Oct. 15.
- Gardner, Edward M., Brooklyn, assignor to Merrill Brothers, New York, N. Y. Plate lifting clamp. 2,393,101; Jan. 15.
- Gardner, Frank, and C. M. Bagshaw, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Work handling mechanism. 2,395,112; Feb. 19.
- Gardner, Frank L.; *See—*
Viets, Frank, and Gardner.
- Gardner, Harry F., Highland Park, Ill., assignor to Certain-Teed Products Corporation, New York, N. Y. Set stabilized plaster. 2,406,757; Sept. 3.
- Gardner, Henry A., Chevy Chase, Md. Porous composition. 2,394,993; Feb. 19.
- Gardner, Henry A., Chevy Chase, Md. Float and filling material therefor. 2,395,266; Feb. 19.
- Gardner, Henry A., Chevy Chase, Md. Porous composition. 2,398,703; Apr. 16.
- Gardner, Henry A., Chevy Chase, Md. Filled float. 2,411,202; Nov. 19.
- Gardner, Irvine C., Chevy Chase, Md., assignor to the Government of the United States of America, as represented by the Secretary of War. Penta reflector. 2,400,111; May 14.
- Gardner, Irving, Brooklyn, N. Y. Paper hat. 2,410,158; Oct. 29.
- Gardner Machine Company, assignee: *See—*
Rumsey, Amos B.
- Gardner, Percy, East Orange, N. J., and R. Kagan, Brooklyn, assignors to Spiral Bagging Machine Corporation, New York, N. Y. Apparatus for making spiral wound tubing. 2,406,677; Aug. 27.
- Gardner-Richardson Company, The, assignee: *See—*
Buenberger, James F.
- Newman, William J.
Ringler, William A.
Yungblut, Gibson.
- Gardner Thermal Corporation, assignee: *See—*
Gardner, Daniel.
- Garfield, Frederick M., and H. W. Dreher, St. Louis, Mo., assignor to Olin Industries, Inc. Manufacture of diazodinitrophenol. 2,408,059; Sept. 24.
- Garfunkel, Louis X., New York, N. Y. Food slicing machine having stationary knives and a follower feed. 2,407,924; Sept. 17.
- Garhry, Joseph U., Montebello, Calif. Welding tool. 2,411,852; Nov. 26.
- Garneau, Charles E., Beauport, Quebec, Canada. Shoe tree. 2,401,064; May 28.
- Garner, Phillip J., Northwich, England, assignor to Imperial Chemical Industries Limited. Production of organic silicon compounds. 2,396,692; Mar. 19.
- Garnett, A. J., Limited, assignee: *See—*
Langford, Ernest E., and Garnett.
- Garnett, Arthur T.; *See—*
Langford, Ernest E., and Garnett.
- Garni, Bruno; *See—*
Leipold, Eugene, and Garni.
- Garnier, Claude E., Besancon, France; vested in the Allen Property Custodian. Dental hand-piece chuck. 2,410,439; Nov. 5.
- Garnier, Georges, assignor to Air-Equipment, Paris (Seine), France. Cleaner for compressed air arranged for automatic draining. 2,406,214; Aug. 20.
- Garr, Donald E.; *See—*
Edwards, Martin A., Garr, and Aydelott.
- Garr, Donald E., Schenectady, N. Y., assignor to General Electric Company. Screwdown control system. 2,410,283; Oct. 29.
- Garr, Donald E., Schenectady, and B. S. Weaver, Scotia, N. Y., assignors to General Electric Company. Test system. 2,399,918; May 7.
- Garr, Oscar A., Tulsa, Okla. Combination rod handle and reel. 2,402,882; June 25.
- Garrett, Louis D.; *See—*
Breene, George A., and Garrett.
- Garraway, George H., Westfield, N. J., assignor, by mesne assignment, to H. K. Porter Company, Inc., Pittsburgh, Pa. Centrifugal pump. 2,402,995; July 2.
- Garretson, Harry D., Whitestone, assignor to North American Philips Company, Inc., Dobbs Ferry, N. Y. Electrical circuit arrangement. 2,404,905; July 30.
- Garretson, Harry D., Whitestone, assignor to Philips Metalix Corporation, New York, N. Y. Electrical circuit arrangement. 2,408,017; Sept. 24.
- Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Float control valve. 2,404,795; July 30.
- Garretson, Owen L., Bartlesville, Okla., T. A. St. Clair, Pontiac, and A. R. Olson, Detroit, Mich., assignors to Phillips Petroleum Company. Automatic cylinder filling device. 2,408,842; Oct. 8.
- Garrett Corporation, The, assignee: *See—*
Chapman, James E.
O'Gorman, William F.
- Garrett Corporation, Airessearch Manufacturing Company division, The, assignee: *See—*
Jensen, Raymond W.
Mayer, Waldemar F.
McEntire, George W.
Rommel, William G.
Bunker, Eugene.
- Garrett, Robert E., Nashville, Tenn. Geared center raiser for lathes. 2,403,357; July 2.

- Garrison, Allen D., and K. C. ten Brink, Houston, Tex., assignors to Texaco Development Corporation, New York, N. Y. Treatment of clays. 2,408,207; Sept. 24.
- Garrison, Bertice P., Seattle, Wash. Garment. 2,412,502; Dec. 10.
- Garrison, Kenneth C., Norwalk, Calif. Folding newspapers and the like. 2,410,059; Oct. 29.
- Garrison, Kenton K. *See*—
Bokovoy, Samuel, and Garrison.
- Garrison, Kenton K., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency determining unit. 2,399,919; May 7.
- Garrison, Nelson E., assignor to J. Shapiro, Baltimore, Md. Match-book making machine. 2,392,933; Jan. 18.
- Garrott Brass and Machine Company, assignee: *See*—
Volpin, Alexander S.
- Garrow, John W., Copper Cliff, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Rotor charging machine. 2,410,492; Nov. 5.
- Garsh, Alex, Bronx, N. Y. All-in-one window sash. 2,402,620; June 25.
- Garstang, William W., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind. Voltage doubler. 2,392,472; Jan. 8.
- Garstang, William W., and W. E. Peek, assignors to Electronic Laboratories, Incorporated, Indianapolis, Ind. Spot lamp. 2,396,998; Mar. 19.
- Gartin, Elmer G. *See*—
Curtin, John C., and Gartin.
- Gartner, Berthold: *See*—
Stieglitz, Albert, and Gartner.
- Gartner, John, Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Coil winding form. 2,399,631; May 7.
- Gartside, Robert N.: *See*—
Chambers, Francis S., Jr., and Gartside.
- Garubo, Joseph J., Detroit, Mich. Storage and dispensing device. 2,410,410; Nov. 5.
- Garverich, Edwin S., Upper Darby, and W. L. Martin, Philadelphia, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparing a detergent composition. 2,411,090; Nov. 12.
- Garvey, Arthur, assignee, et al.: *See*—
Garvey, James.
- Garvey, Benjamin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubbery copolymers of butadiene-1,3 hydrocarbons and alpha-methylene nitriles. 2,395,474; Feb. 26.
- Garvey, Horace M., assignee, et al.: *See*—
Garvey, James.
- Garvey, James, assignors to A. and H. M. Garvey and said J. Garvey, Vancouver, British Columbia, Canada. Manufacture of milked toilet soap. 2,412,979; Dec. 24.
- Garvin, Adolphus F., judicial change of name: *See*—
Grunspan, Adolf.
- Garwood, John S.: *See*—
Morgenthaler, Frederick W., and Garwood.
- Gary, Wright W., assignor to Filtril Corporation, Los Angeles, Calif. Separating monomeric diolefins from mixtures of relatively low boiling diolefin and monoolefin monomers. 2,398,930; Apr. 23.
- Gasard Patents Inc., assignee: *See*—
Ballard, William C., Jr., Coron, and Cepek.
- Gasser, Frank P.
- Gascolne, George H., Wokingham, and J. R. Knox, Reading, England. Hoe. 2,397,786; Apr. 2.
- Gaspár, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Production of colored photographic pictures. 2,410,025; Oct. 29.
- Gaspar, Emeric: *See*—
Windser, Reginald H., and Gaspar.
- Gaspar, Emeric, assignor to Omes Limited, Barnes, London, England. Forging pointed articles. 2,393,153; Jan. 15.
- Gass, Harold: *See*—
Melldon, Constantine, and Gass.
- Gasser, Frank P., Beverly Farms, Mass., assignor to Gasard Patents Inc., New York, N. Y. Starting switch. 2,412,883; Dec. 17.
- Gasser, Walter, El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Oil cooled piston. 2,396,500; Mar. 12.
- Gassett, Paul L.: *See*—
Kennedy, Harvey T., and Gassett.
- Gassner, Alfred A., New York, N. Y., assignor, by mesne assignments, to W. B. Scarborough, trustee, Englewood, N. J. Airplane wing structure and making the same. 2,394,102; Feb. 6.
- Gassner, Alfred A., New York, N. Y., assignor, by mesne assignments, to Ridgefield Manufacturing Corporation, Ridgefield, N. J. Engine nacelle installation for aircraft. 2,398,704; Apr. 16.
- Gat, John D., Edgewood, and S. C. Snyder, Carnegie, assignors to Carnegie-Illinois Steel Corporation. Production of non-raging steel. 2,405,940; Aug. 20.
- Gately, Alphonsus P.: *See*—
Stark, William, and Gately.
- Gates, Henry S., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical induction apparatus. 2,403,072; July 2.
- Gates, Henry S., Sharon, and H. D. James, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective transformer arrangement. 2,397,095; Mar. 26.
- Gates, Louis E., assignor to The Champion Paper and Fibre Company, Canton, N. C. Apparatus for breaking foam. 2,405,188; Aug. 6.
- Gates, Richard L.: *See*—
Curtis, Russell R., and Gates.
- Gates Rubber Company, The, assignee: *See*—
Johnson, Harold J.
- Gates Rubber Company, assignee: *See*—
Burkhard, William L.
- Gates, William M., Montrose, Colo. Teeter motor game. 2,398,180; Apr. 9.
- Gatewood, William, Carthage, Ind. Draft connection. 2,396,093; Mar. 5.
- Gateke, Thomas L., Oak Park, Ill. Bearing stave and making same. 2,400,267; Oct. 15.
- Gätzl, Karl: *See*—
Martin, Henry, Häffiger, Gätzl, and Grob.
- Gaudenzi, Arthur, Wettingen, and R. Risch, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Joint between metal and ceramic bodies. 2,396,320; Mar. 12.
- Gaudet, Henri, assignor of one-half to J. L. Emile Blais, Sherbrooke, Quebec, Canada. Washing machine. 2,392,818; Jan. 15.
- Gauldin, Robert A., assignor of one-half to T. H. Netherton, Enid, Okla. Button protector. 2,410,208; Oct. 29.
- Gaulin, Achille G., Lowell, Mass., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Article transfer. 2,402,035; June 11.
- Gauthier, Armand J.: *See*—
Davis, Lewis, and Gauthier.
- Gauthier, Joseph H., Los Angeles, Calif. Felted wood fiber machinable cork-substitute material. 2,395,218; Feb. 19.
- Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric connector. 2,408,843; Oct. 8.
- Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Supporting apparatus. 2,409,484; Oct. 15.
- Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiterminal structure. 2,411,733; Nov. 26.
- Gauthier, Robert S., assignor to Chain Belt Company, Milwaukee, Wis. Metal-cutting tool. 2,392,285; Jan. 1.
- Gavalis, Alserd J., Oak Park, Ill. Cooking utensil. 2,402,883; June 25.
- Gaver, Kenneth M., Columbus, Ohio, assignor to The Ohio State University Research Foundation, Columbus, Ohio. Mildewproofing. 2,397,732; Apr. 2.
- Gaver, Kenneth M., assignor, by mesne assignments, to The Ohio State University Research Foundation, Columbus, Ohio. Flavoring materials for gelatins. 2,404,763; July 23.
- Gaver, Kenneth M., assignor, by mesne assignments, to The Ohio State University Research Foundation, Columbus, Ohio. Electrodeposition of metals and bath composition therefor. 2,406,072; Aug. 20.
- Gavin, Frank J.: *See*—
Cooke, Giles B., and Gavin.
- Gavin, Malcolm R., Wembley, England, assignor to The General Electric Company Limited, London, England. Generators of electrical oscillators of high frequency. 2,394,908; Feb. 12.
- Gavrilis, Pete, assignee: *See*—
Rector, Robert R.
- Gavrilis, Pete, Laurel, Md. Bottle cap. 2,392,912; Jan. 5.
- Gaw-O'Hara Envelope Company, assignee: *See*—
Kelley, Daniel B.
- Gay, Harry S., Mount Gay, and T. V. Maynard, Williamstown, Va. Timber setting machine. 2,408,387; Oct. 1.
- Gay, Paul S., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Record changer. 2,396,094; Mar. 5.
- Gay, Paul S., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Lock. 2,402,812; June 25.
- Gayer, Frederick H., and C. E. Fawkes, Chicago, assignors to Continental Research Corporation, Chicago Heights, Ill. Producing alkyl esters of higher fatty acids. 2,411,336; Nov. 26.
- Gayford, Michael L.: *See*—
Robertson, James S. P., and Gayford.
- Gaykowski, Charles J., Cleveland, Ohio. Roller guide. 2,402,546; June 25.
- Gaynor, Asa E., Portland, Oreg. Ventilator unit. 2,392,038; Jan. 15.
- Gaylord Container Corporation, assignee: *See*—
Blackman, Smith A.
- Buhrmaster, Frederick R.
- Failet, Clifford D.
- Williams, Benjamin M.
- Gaylord, Paul C., New Brighton, N. Y., assignor to Grief Bros. Cooperage Corporation, Cleveland, Ohio. Container. 2,406,822; Aug. 13.
- Gaylord Products, Incorporated, assignee: *See*—
Gaylord, Ruth K., and Green.
- Norin, Allan A.
- Reynolds, Frank D.

- Gaylord, Ruth K., and I. R. Green, assignors to Gaylord Products, Incorporated, Chicago, Ill. Bob pin. 2,396,367; Mar. 12.
- Gaylord, Ruth K., and I. R. Green, assignors to Gaylord Products, Incorporated, Chicago, Ill. Hairpin. 2,397,100; Mar. 26.
- Gaynor, James W.: *See*—
Watson, Roger W., and Gaynor.
- Gaying, Wallace F., Minoa, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Cabinet enclosed pressing machine. 2,400,638; May 21.
- Gaying, Wallace F., Minoa, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Control for power presses. 2,400,639; May 21.
- Gaying, Wallace F., Minoa, assignor to The Prosperity Company, Inc., Syracuse, N. Y. System of pressing laundered articles. 2,405,882; Aug. 13.
- Gaying, Wallace F., Minoa, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Ingredient dispensing mechanism for mixing tanks. 2,410,873; Nov. 12.
- Gazda, Antoine, Providence, E. I. Automatic feed mechanism for loading ordnance, tools, and the like. 2,394,606; Feb. 12.
- Gazda, Antoine, Providence, R. I. Bolt and nut assembly. 2,398,633; Apr. 16.
- Gazda, Antoine, Providence, R. I. Gun sight for anti-aircraft weapons and the like. 2,399,431; Apr. 30.
- Gazda, Antoine, Providence, R. I. Striking hammer for firearms. 2,399,432; Apr. 30.
- Gazette, Marshall, Boston, Mass., assignor, by means assignment, to Continental Can Company, Inc., New York, N. Y. Containers made of paper, and making the same. 2,406,758; Sept. 3.
- Gear, Bruce A., Los Angeles, Calif. Sock stretcher. 2,413,305; Dec. 31.
- Gear Grinding Company, The, assignee: *See*—
Grunberg, Ivor J., and Brady.
- Gear Grinding Company Limited, The, assignee: *See*—
Oreutt, Arthur H.
- Gear Grinding Machine Company, The, assignee: *See*—
Brady, Samuel G.
Grunberg, Ivor J.
Lund, Johan.
- Gearhart, Ishmael H., Salem, Va. Stitch picker. 2,409,351; Oct. 15.
- Gearhart, Roy E., assignor of three-tenths to R. B. McCreary and three-tenths to B. McCreary, Kansas City, Mo. Wrench. 2,407,546; Sept. 10.
- Gearhart, Roy E., assignor of three-tenths to B. L. McCreary and three-tenths to R. B. McCreary, Kansas City, Mo. Wrench. 2,407,547; Sept. 10.
- Gearhart, William M.: *See*—
Meyer, Lester W. A., and Gearhart.
- Gebauer, Adam H., Short Hills, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of wax-oil mixtures. 2,408,977; Oct. 8.
- Gebauer, Charles L., Shaker Heights, and C. F. W. Bates, Cleveland Heights, assignors to The Gebauer Chemical Company, Cleveland, Ohio. Dispensing liquids having low boiling points. 2,400,231; May 14.
- Gebauer Chemical Company, The, assignee: *See*—
Gebauer, Charles L., and Bates.
- Gebhard, Edward P., Jr., and Gebhard.
- Gebert, Sever C., assignor to Fairbanks, Morse & Co., Chicago, Ill. Sectional screw conveyor. 2,394,163; Feb. 5.
- Gebert, Sever C., assignor to Fairbanks, Morse & Co., Chicago, Ill. Overload release coupling. 2,406,142; Aug. 20.
- Gebroder Buhler, assignee: *See*—
Roth, Ernst.
- Geddes, George A., Minneapolis, Minn. Airplane rotary wing. 2,410,957; May 21.
- Geddes, Walter H., assignor to United Aircraft Products, Inc., Dayton, Ohio. Heat exchange unit. 2,404,188; July 16.
- Gede, Henry, Jr., Oakland, Calif. Building construction. 2,391,960; Jan. 21.
- Gee, James W., Chicago, Ill. Combined storm and screen window installation. 2,402,112; June 11.
- Geer, Russell L., Grand Island, Nebr. Hardware for concrete forms. 2,398,219; Apr. 9.
- Geer, Russell L., and L. A. Melkus, Grand Island, Nebr. Window. 2,398,109; Apr. 23.
- Geertlings, Gerald K., New Canaan, Conn., and J. N. Tynan, assignors to A. G. Spaulding & Bros. Inc., Chicopee, Mass. Racket. 2,395,864; Mar. 5.
- Geers, Cyrus A., F. B., and W. A., St. Louis, Mo. Electrical plug and socket. 2,398,634; Apr. 16.
- Geers, Ferguson B.: *See*—
Geers, Cyrus A., F. B., and W. A.
- Geers, William A.: *See*—
Geers, Cyrus A., F. B., and W. A.
- Geertsma, Kenneth B., Valley Stream, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Driver for helical members. 2,400,548; May 21.
- Gegauf, Fritz, assignor to Fritz Gegauf's Sohne Aktiengesellschaft, Steckborn, Switzerland. Table board supported sewing machine. 2,398,931; Apr. 23.
- Gegauf's, Fritz's Sohne Aktiengesellschaft, assignee: *See*—
Gegauf, Fritz.
- Gehen, Mathias J., assignee, et al.: *See*—
Tarapczynski, Sigmund.
- Gehm, Harry W.: *See*—
Kudolfs, Willem, and Gehm.
- Gehrenbeck, Gilbert B.: *See*—
Brinker, Howard C., and Gehrenbeck.
- Stephens, Henry N., Gehrenbeck, and Guthrie.
- Gehring, Kurt C., Homewood, Ill., and S. T. Puryear, Munster, Ind., assignors to Carnegie-Illinois Steel Corporation. Regenerative furnace. 2,400,300; May 14.
- Gehm, Willard H.: *See*—
McCullough, Campbell R., and Gehrke.
- Geibel, William F., assignee: *See*—
Wagler, Alfred L.
- Geier, James, Troy, N. Y. Electrical control apparatus. 2,392,913; Jan. 15.
- Geiger, Walter J., Cleveland Heights, and R. J. Ayres, Shaker Heights, Ohio, assignors to General Electric Company. Method and apparatus for gas filling and tipping-off envelopes. 2,403,073; July 2.
- Geiger, Willard L., Jacksonville, Fla. Grapple. 2,399,433; Apr. 20.
- Geiger, William A., assignor to W. P. Sidley, M. F. Back, A. P. Withall, E. C. Austin, and G. A. Johnson, Chicago, Ill., and A. T. Miner, Chazy, N. Y., as trustees of The William H. Miner Foundation. Shock absorbing mechanism. 2,398,110; Apr. 23.
- Geiger, William A., assignor to W. P. Sidley, M. F. Back, A. P. Withall, E. C. Austin, and G. A. Johnson, Chicago, Ill., and A. T. Miner, Chazy, N. Y., as trustees of The William H. Miner Foundation. Railway car truck. 2,407,875; Sept. 17.
- Geigy, J. R., A. G., assignee: *See*—
Conzetti, Achille.
Conzetti Achille, and Schetty.
Conzetti, Achille, and Schmid.
Keller, Ernst.
Kreber, Adolf.
Martin, Henry, and Gysin.
Martin, Henry, and Häfiger.
Martin, Henry, Häfiger, Gützi, and Grob.
Martin, Henry, Hirt, and Staub.
Martin, Henry, and Margot.
Müller, Paul.
Schetty, Guido.
Senn, Emil.
Stammbach, Walter.
Trebois, Jules.
- Geimer, William J., and F. R. Linda, assignors to Bemis Bro. Bag Co., Minneapolis, Minn. Closing bag tube ends. 2,409,621; Oct. 22.
- Geismann, Ralph A.: *See*—
Honck, James F., and Geismann.
- Geiser, Kenneth R.: *See*—
Barnes, Norman F., and Geiser.
- Geissbuehler, Ernst, Horgen, assignor to T. Oertli Aktiengesellschaft, Zurich, Switzerland. Angle-measuring apparatus. 2,400,498; May 21.
- Geissman, Gladys W., assignor to Merry Hull & Company, New York, N. Y. Scarf. 2,402,996; July 2.
- Geist, Herbert F., Cleveland, Ohio. Method and apparatus for marking molded building blocks. 2,395,865; Mar. 5.
- Gelardin, Albert, New York, N. Y. Cosmetic holder. 2,393,677; Jan. 29.
- Gelatin Products Corporation, assignee: *See*—
Cochran, Charles C.
Pike, Edwin F., and Shane.
Scherer, John O.
- Gelbman, Louis, Yonkers, N. Y. Sintering apparatus. 2,403,433; July 9.
- Geldhof, Peter E., and L. Ringer, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Fluid responsive control mechanism for automatic washers. 2,401,476; June 4.
- Gelfand, Max, Dallas, Tex. Algaecide. 2,400,863; May 21.
- Geller, Andrew, Shoe Manufacturing Co., Inc., assignee: *See*—
Azzara, Santo.
- Geller, Isaac, Portland, Ore. Key holder. 2,401,753; June 11.
- Geller, Max, Brooklyn, N. Y. Jointed mannequin doll. 2,407,367; Sept. 10.
- Gelpcke, Alfred W., Brooklyn, assignor to The Rawlplug Company, Inc., New York, N. Y. Toggle lock. 2,398,220; Apr. 9.
- Gelpcke, Alfred W., Brooklyn, assignor to The Rawlplug Company, Inc., New York, N. Y. Drilling anchor part for bolts or screw studs and its use. 2,406,536; Aug. 27.
- Geltner, Daniel, Astoria, N. Y., assignor to Onyx Oil & Chemical Company. Derivatives of chloromethyl ethers of polyoxyethylene glycols and producing same. 2,405,784; Aug. 13.
- Gem Undergarment Co., assignee: *See*—
Mareus, Somers.
- Gem City Pattern Co., assignee: *See*—
Fleer, Harry H.
- Gemmer Manufacturing Company, assignee: *See*—
O'Neil, Thomas.
- Gendron Wheel Company, assignee: *See*—
Rideout, John G.

General Aircraft Equipment, Inc., assignee: *See*—
 Amand, Raymond H., and Daninos.
 General Aircraft Limited, assignee: *See*—
 Leather, George B., and Walbanks.
 General Aniline & Film Corporation, assignee: *See*—
 Bayley, Abraham.
 Coroniti, Samuel C.
 Duerr, Herman H., and Morreall.
 Flemming, Walter, and Stein.
 Fox, Arthur L.
 Grimmel, Harry W., and Guenther.
 Guenther, Alfred, and Morgan.
 Hassler, Gerald L.
 Jacobson, Carl H.
 Kaszuba, Frank J.
 Lee, Alfred L.
 Morreall, Herbert W., Jr.
 Mueller, Fritz W. H.
 Mueller, Fritz W. H., and Bates.
 Roehrl, Bruno C.
 Sargent, Donald E.
 Schildknecht, Calvin E.
 Schmidt, Otto.
 Schoen, André, and Patterson.
 Siebert, Arthur.
 Sweet, Monroe H.
 Trump, Frederick O.
 Von Glahn, William H., and Walsh.
 Williams, William A.
 Zerweck, Werner and Honold.
 General Binding Corporation, assignee: *See*—
 Emmer, Charles E.
 Ray, William R.
 General Cable Corporation, assignee: *See*—
 Blades, Ansley O.
 Kauth, Henry J.
 General Chemical Company, assignee: *See*—
 Carter, Bernard M.
 General Control Company, assignee: *See*—
 Kelleigh, Waldo J.
 General Controls Co., assignee: *See*—
 Biggle, Laurence C.
 Cunningham, L. L.
 Ewing, John L.
 Paille, Eugene.
 Ray, William A.
 Ray, William R.
 General Die-Stamping-Tool Company, assignee: *See*—
 Brennen, Ronald F.
 General Electric Company, assignee: *See*—
 Adams, George M.
 Adams, George M., and Aydelott.
 Adams, George M., and Moore.
 Agens, Maynard C., and Nordlander.
 Alexanderson, Ernst F. W.
 Alford, Joseph S.
 Anderson, James M.
 Atchison, Leonard W.
 Ayers, Edgar H.
 Bachman, Charles H.
 Bakke, Hans A.
 Baldwin, Charles F.
 Bany, Herman.
 Bany, Herman, and Bateman.
 Barnes, Norman F., and Geiser.
 Bartelink, Everhard H. B.
 Baumann, Frederick W.
 Bazley, Carl E.
 Bedford, Burnice D.
 Beggs, James E.
 Bennett, Ralph S.
 Bennett, Robert M., and Syrovoy.
 Berejkoff, Anatole P.
 Berkoft, Seymour.
 Berkoft, Seymour, and Dome.
 Berry, Robert U.
 Berry, Theodore M.
 Berry, Theodore M., and Canada.
 Biggs, Leonard H., and Zimola.
 Bivens, Maurice E.
 Blankenship, Norwood, and Ness.
 Bligh, Norman R., Heller, Stenning, and Chubb.
 Bondley, Ralph J.
 Borst, David W.
 Bourne, Harry K.
 Bower, John L.
 Bowman, Kenneth K., and Kane.
 Boynton, Erwin R., and Avery.
 Brand, Frederick F.
 Bryant, Frank D.
 Buchner, Guenther.
 Butler, William L.
 Callinan, Thomas D.
 Camilli, Guglielmo.
 Carlin, Paul G.
 Ceadar, Joseph D.
 Clark, Frank M.
 Clute, Gerald P.
 Cockrell, William D.
 Coe, Everett L.
 Colbath, Dan L.
 Cook, Ellsworth D.
 Cox, Harold E.

General Electric Company, assignee: *See*—Continued
 Crapuchettes, Paul W.
 Crary, Selden B.
 Crawford, Thomas G.
 Cress, Jay J.
 Crever, Frederick E.
 Crever, Frederick E., and Calder.
 D'Alelio, Gaetano F.
 D'Alelio, Gaetano F., and Underwood.
 Demarini, Robert J., and Leigh.
 De Reamer, Frank C.
 De Reamer, Frank C., and Pistey.
 De Tar, Donald R.
 De Walt, Kenneth C.
 Dickinson, Edgar D.
 Dodson, Wayne E.
 Dome, Robert B.
 Doran, John H.
 Eaton, John.
 Edwards, Martin A.
 Edwards, Martin A., and Byrum.
 Edwards, Martin A., Garr, and Aydelott.
 Elmendorf, Andrew G.
 Evans, Lewis W.
 Farmer, Edward B., and Lawson.
 Faus, Harold T.
 Favre, John A.
 Fink, Lyman R.
 Fisher, Alec.
 Fisher, Sidney O.
 Fiske, Milan D.
 Fiske, Milan D., and Lafferty.
 Fonda, Gorton R.
 Foote, Alton G.
 Foster, Levin W.
 Found, Clifton G.
 Fraenkel, Victor H., and Hansen.
 Francis, Victor J., and Nelson.
 Frech, Theodore W.
 Freese, Charles E.
 Froelich, Herman C.
 Fulton, John W.
 Fyler, George W.
 Gardiner, Paul C., and Maynard.
 Garr, Donald E.
 Garr, Donald E., and Weaver.
 Geiger, Walter J., and Ayres.
 Gewlett, Clarence W., Jr.
 Gilman, John E., 3d.
 Gittings, William N., and Bateman.
 Glover, George W.
 Godet, Sidney.
 Goldberg, Leon J.
 Goldman, Stanford.
 Graf, Wayne O.
 Greiner, Alfred.
 Grimshaw, Charles S.
 Groot, Robert W.
 Gupta, Heath R.
 Gurewitsch, Anatole M.
 Hahn, William C.
 Hall, Chester I.
 Hall, Chester I., and Bedford.
 Hansen, Siegfried.
 Harkness, Joseph R.
 Harlow, Winton G., and Healis.
 Harlow, Winton G., Healis, and Lamb.
 Harrington, Richards H.
 Harrison, Howard R.
 Hart, Lucas P., Jr.
 Hausler, George M.
 Heath, Charles F.
 Hemphill, Lawrence F.
 Hermann, Benjamin R.
 Hertel, Roland F.
 Hewlett, Clarence W.
 Hiehle, Michael E.
 Higgins, Bertram G.
 Hoare, Stephen C.
 Hobson, Leiland S.
 Hollingsworth, Guilford L., and Jensen.
 Holmes, Lowell L.
 Horstkotte, Edward H.
 Howard, Alan.
 Howe, Goodwin H.
 Hsu, Eugene T.
 Huntsman, Orlando A.
 Hurd, Dallas T.
 Huston, Claude B.
 Jackson, Frederick R., Jr.
 Jarmann, Alfred, Jr.
 Jenny, Alfred L.
 Jewell, Richard G.
 Johnson, Paul S., and Dodds.
 Johnson, Ralph P., and Grams.
 Jones, Benjamin W.
 Jones, Benjamin W., and Schurig.
 Jordan, William B.
 Kearns, Earl E.
 Kearsley, William K.
 Keister, James E.
 Kennedy, Luke F.
 Kerst, Donald W.

General Electric Company, assignee: *See*—Continued

Kettlewell, Eric.
 Kimball, Arthur L.
 Koller, Lewis R.
 Korneke, Paul B., Jr.
 Kraft, Hans.
 Kuehn, Hans P., and Branson.
 Lamborn, Richard.
 Larrecq, Anthony J.
 Lavender, Raymond W.
 Leavitt, Minard A.
 Leeds, Laurance M.
 Leigh, Henry H., and Walter.
 Lemmers, Eugene.
 Limmatinen, Toivo M.
 Linlor, William L.
 Lindsay, Elton A.
 Linville, Thomas M.
 Livingston, Orrin W.
 Locke, Raymond C.
 Longfellow, Richard C.
 Lord, Harold W.
 Lyman, Harold T.
 Lyon, Kenneth C.
 MacCarthy, Donald D.
 MacIntyre, John R.
 Magdick, Henry H.
 Malloy, John J.
 Manke, Arthur G.
 Mares, Virgil L.
 Marsden, James.
 Marsh, Myrie O.
 Martin, Harold M.
 Mathes, Kenneth N., and Wasiewicz.
 Maxwell, Howard.
 Mayer, Harry F.
 McArthur, Elmer D.
 McClain, Joseph W.
 McConnell, Andrew J.
 McFarland, George L., Jr.
 McMahon, Kenton D.
 Meahl, Harry R.
 Merrill, George S.
 Michaelson, Jesse L.
 Michel, Philip C.
 Millar, Norval P.
 Miller, Charles E., and Demartini.
 Mills, Erwin S., and Lindsay.
 Mittermeyer, Edwin F.
 Moe, Robert E.
 Moe, William W.
 Moles, Frank J.
 Moore, John R.
 Morack, Marvin M.
 Morey, Arthur H., and Howard.
 Morey, Robert L.
 Morrill, Wayne J.
 Moyer, Elmo E.
 Mueller, Adolf G., and Dazley.
 Nelson, Evan H., and Whittemore.
 Newell, Heber L.
 Nickerson, Winfield T.
 Nickle, Clifford A.
 Noble, Sidney H., and Rooksby.
 Noel, Edward B.
 Noel, Edward B., and Seitz.
 Norgaard, Donald E.
 Norlander, Birger W.
 Norton, Francis J.
 Novak, Robert L.
 Oday, Arthur B.
 Ogen, Harold S.
 Olsen, Arthur A.
 Olson, Edwin N.
 Parker, Earl R.
 Patterson, Franklin G.
 Peters, Leo R.
 Peterson, Justin.
 Pettibone, George H.
 Pfuntner, Richard A., and Wilson.
 Pike, Otis W.
 Potter, John T.
 Powell, Alice H.
 Prince, David C.
 Pugsley, Donald W.
 Radcliffe, Thomas J.
 Rader, Louis T.
 Ramo, Simon.
 Rice, Chester W.
 Rich, Theodore A.
 Richardson, Ernest L.
 Richardson, George, and Horlick.
 Rietz, Earl B., and Tower.
 Robinson, Arthur W., Jr.
 Robinson, Percy W.
 Roper, Val J.
 Rosentreter, Ernest W.
 St. Palley, Zoltan O.
 Sanborn, Arthur R.
 Sauer, Robert O.
 Savage, Marlon A., and Kent.
 Savage, Robert E.
 Schneider, Elbert D.
 Schurig, Otto R.

General Electric Company, assignee: *See*—Continued

Schlater, Ivanhoe H.
 Scott, Richard.
 Seaver, John D.
 Seaver, John D., and Frye.
 Sheldon, Lyle.
 Shores, Ronald B.
 Short, Thomas T.
 Shoults, David R.
 Sias, Frederick R., and Pearson.
 Silvester, Austin G.
 Sinks, Allen T.
 Slobod, Arthur A.
 Smith, Richard E.
 Smith, Sidney R., Jr.
 Somerville, Gareth G.
 Spencer, Richard O.
 Spittler, Theodore M.
 Sprung, Murray M.
 Stauffer, Lynn H.
 Steenstrup, Christian.
 Stimson, Allen G.
 Stone, Joseph E.
 Strickland, Royal F.
 Suits, Chauncey G.
 Summers, Claude M.
 Swingle, Arto W., Pettibone, and Dill.
 Syrov, Gerald H.
 Tams, Hubert E., Jr.
 Terpak, Stephen, and Wetherill.
 Theisen, Joseph L.
 Thielemann, Rudolf H.
 Thompson, Louis W.
 Thompson, Wendell S.
 Thumm, Carl, Prince, and Dhonau.
 Tillman, John E.
 Titus, Charles H.
 Tonks, Lewi.
 Tonks, Lewi, and Apker.
 Tonks, Lewi, and Davis.
 Townsend, Mark A.
 Traver, Oliver C.
 Troell, Roy E.
 Urban, Fred O.
 Valentine, Frank E.
 Valentine, Frank E., and Skillin.
 Van Brunt, Charles G.
 Van Horn, Irving H.
 Von Horn, Fred G.
 Wade, Elmer J.
 Wall, Alexander C.
 Warner, Donald F.
 Warner, Donald F., and Auyer.
 Warner, Wilbur E.
 Warren, Glenn B.
 Wassell, Frank A.
 Watts, Donald E., and Gardiner.
 Weeks, Walter R.
 Welch, Alanson U., Jr.
 Westendorp, Willem F.
 Wetherill, Lynn.
 Whinnery, John R.
 White, George M.
 Whiteside, Jack R., and Townsend.
 Wieseman, Robert W.
 Wightman, Lawrence W.
 Willard, Waldo W.
 Wilson, Wayne E.
 Winslow, Arthur F.
 Winter, Fred H.
 Wood, Charles E.
 Worcester, Joseph A., Jr.
 Wright, James G. E., and Oliver.
 Young, William R.
 Zyt, Leon H.

General Electric Company Limited, The, assignee: *See*—

Espley, Dennis C.
 Friedlander, Erich.
 Gavin, Malcolm R.
 Ramsay, Henry T.

General Engineering Company (Canada) Limited, The, assignee: *See*—

Segsworth, Robert S.
 General Engineering Company, The, assignee: *See*—
 Riddell, William A.

General Excavator Company, The, assignee: *See*—

Barnhart, Edgar W.
 General Fireproofing Company, The, assignee: *See*—
 Gibson, George R.

General Foods Corporation, assignee: *See*—

Berry, Norton E., and Kremers.
 Kromers, Roland E.
 Southwick, Charles A., Jr., and Stagmeier.
 Thayer, Josephus J.

General Hardware Mfg. Co. Inc., assignee: *See*—

Nissenbaum, Moses D.
 General Implement Corporation, assignee: *See*—
 Earl, George E.

General Inventions Corporations, assignee: *See*—

Hemp, Paul L.
 General Latex and Chemical Corp., assignee: *See*—
 MacLeod, Duncan W.

General Luminescent Corporation, assignee: *See*—
Isenberg, Sampson.
Isenberg, Sampson, and Hultgren.

General Machinery Corporation, assignee: *See*—
Byerlein, Arthur A.
Lewis, Frank M.

General Mills, Inc., assignee: *See*—
Borchardt, Lester F.
Dykoski, Walter J., and Borchardt.
Evans, James W.
Long, George.
Myers, Fred D.

General Motors Corporation, assignee: *See*—
Alexander, Donald F.
Allen, Everett W.
Appel, Walter D.
Arthur, James L., and Williams.
Austin, Dwight E.
Barcus, Anthony P.
Barr, Harry F.
Bianchard, Werner J., MacNeil, Haines, Martin.
Blomberg, Martin P.
Blomberg, Martin P., and Stampen.
Bourne, Robert R.
Brannigan, Thomas P., Raison, and Yoder.
Brill, William E.
Brittain, Richard J., Jr.
Browne, Donald B., Clarke, and Painter.
Burge, James S.
Butner, Horace J.
Campbell, John M.
Canter, Ralph, and Geyer.
Carney, Clifford B.
Chapman, Frederick W.
Clark, Kendall.
Clayton, Edward M.
Corbin, Douglas H.
Cotter, Bart, Klassen, and Archer.
Cramer, Paul L., and Begeman.
Cramer, Raymond H.
Dally, Robert A., and Crooks.
Diedring, John H.
Dilworth, Richard M., Lillquist, and Queeney.
Dow, William G., Early, and Gomberg.
Dybvig, Edwin S.
Dyer, John B.
Edmundson, William C.
Etchells, Eugene B.
Falge, Robert N., Onksen, and Goris.
Ferris, Donald K.
Eike, Charles H., and Heinzen.
Fischer, Albert W.
Frederick, Charles W.
Gaiser, Martin W.
Gandelot, Howard K.
Gardiner, Arthur W., and Goldthwaite.
Geyer, Howard M., and Carson.
Gibson, J. Lowell.
Graham, Charles D., and Dybvig.
Griffith, Bain.
Hackett, James W., and Copping.
Harrold, Marshall C.
Heath, Robert L., Fisher, and Holbrook.
Holin, William F.
Hope, Lawrence F.
Hulsing, Kenneth L.
Hunt, John H.
Husband, Linton A.
Hutchinson, Philip H.
Jacobs, James W.
Jones, Russell G.
Jorgensen, Clarence H., and Claytor.
Kauffman, Jesse S.
Kettering, Charles F.
Kuhn, George.
Leland, Robert W.
Lillquist, Torsten O.
Macan, Albert L.
MacPherson, Earle S.
Mann, Cecil A.
Martin, Edward J.
Martin, Edward J., and Grinstead.
Martin, Edward J., Grinstead, and Frawley.
Martin, Thomas B., and Haines.
Martz, William M.
Marvin, John T., and Koehring.
Matthews, Carroll P.
McCormack, Alex A.
McCormick, Francis H.
Menzies, William A.
Michelson, Henry, and Stevens.
Naegeli, Charles P.
Ogden, Jack.
Olson, Theodore A., and Klopak.
Patch, Earl S., and Moore.
Patou, Clyde R.
Pearce, George C., and Grooms.
Petkewitz, Carl F.
Rabazzana, Hector.
Rady, William J.
Rasmussen, Olaf.
Rasmussen, Olaf, and Rike.
Rataiczak, Francis I.

General Motors Corporation, assignee: *See*—Continued
Rockafellow, Stuart.
Sampson, Frederick W.

Sampson, Frederick W., and Hyde.
Sargeant, Walter E.
Schilling, Robert.
Schjolin, Hans O.
Schweller, Sylvester M.
Scott, Clifford G.
Sisson, Kenneth O.
Smith, Glen A.
Smith, Jasper A.
Smith, Robert F.
Spieced, Attilio R.
Stickel, Carl A.
Storer, John E., Jr.
Stuart, Joseph, III.
Sullivan, Raymond H.
Swanson, Nils E.
Thornburg, Herbal A.
Trisler, Milton A.
Van Degrift, Thomas C.
Werner, Calvin J.
Wilson, Ernest E.
Wirshing, Ralph J., and Smith.
Wittlinger, Leonard M.
Youngren, Harold T.
General Printing Ink Corporation, assignee: *See*—
Voel, Andries.
General Radio Company, assignee: *See*—
Tuttle, William N.
General Railway Signal Company, assignee: *See*—
Deanston, Adolph L., and Martin.
Halles, William D., Brixner, Barker, and Dasburg.
Halles, William D., and Merkel.
Howe, Winthrop K.
Jacobus, John J.
Judge, Thomas J.
Langdon, Andrew.
Lorenz, Pichard L.
Mackey, Stuart J., and Wynn.
O'Brien, John C.
Preston, Neil D.
Rees, Frank X.
Stephenson, James E.
Wight, Sedgwick N., and Field.
Wight, Sedgwick N., Field, and Dicke.
General Sales Company of Cadillac, assignee: *See*—
Greeley, Leo O.
General Spring Corporation, assignee: *See*—
Wood, Joseph K.
General Steel Castings Corporation, assignee: *See*—
Barchow, Werner.
Travilla, James C., Jr.
General Tank Service, Inc., assignee: *See*—
Perignat, Joseph M.
General Timber Service, Inc., assignee: *See*—
MacKenzie, Neal T.
General Time Instruments Corporation, assignee: *See*—
Beiser, Elmer H., Berninger, and Schlenker.
Eidmann, Frank L., and Engel.
Engel, George C., Lynch, and Eidmann.
Lorenz, Richard L.
General Tire & Rubber Company, The, assignee: *See*—
Breth, Walter J., and Wormald.
Coney, Fred H.
Dodge, Howard M.
Thiry, Leon F.
Genjack, Conrad, North Vancouver, British Columbia, Canada. Toy. 2,395,179; Feb. 19.
Gensler, Ray K.: *See*—
Carter, Joseph E., and Gensler.
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing mechanism. 2,400,085; May 14.
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Audible signaling device. 2,412,610; Dec. 17.
Gent, Harry, and R. H. H. Pryde, Coalville, Transvaal, Union of South Africa. Electrical junction system. 2,398,782; Apr. 23.
Genter, Albert H., Mount Lebanon, Pa. Mining machine bit. 2,395,545; Feb. 26.
Gentil, Eugene, New York, N. Y., assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques, Saint-Gobain, Chauny & Crey, Paris, France. Glass making furnace. 2,397,852; Apr. 2.
Gentil, Raymond, assignee: *See*—
Voreaux, Paul J.
Gentry, William M.: *See*—
Mullins, William H., and Gentry.
Gentzel, Perry H., State College, Pa. Seat for safety valve constructions. 2,398,370; Apr. 16.
Geohegan, Eamon D. A., assignor to Tobe Deutschmann Corporation, Canton, Mass. Support for capacitors. 2,405,139; Aug. 6.
Geohegan, William A.: *See*—
Hinsey, Joseph C., and Geohegan.
Geohegan, William A., Flushing, and R. E. Phillips, Baldwin, N. Y., assignors to the United States of America, as represented by the Secretary of War. Shoulder harness take-up and inertia lock. 2,403,653; July 9.

Geophysical Development Corporation, assignee: *See—*
Krasnow, Shelley, and Curtiss.

Geophysical Research Corporation, assignee: *See—*
Millikan, Charles V.

Wolf, Alfred

George, Charles E., Sr., Charleston, W. Va. Trap.
2,399,111; Apr. 23.

George, Charles L., and R. N. Bennett, assignors to The
Buckeye Traction Ditcher Company, Findlay, Ohio. Ma-
terial spreader hitch. 2,403,973; July 16.

George, Frank C., Orlando, Fla. Block molding machine.
2,396,999; Mar. 19.

George, Fred W., Jr., Lima, Ohio. Multiple-cylinder steam
locomotive. 2,407,980; Sept. 24.

George, Harry F., Chicago, Ill. Steering wheel. 2,408,388;
Oct. 1.

George, Harry S., Massapequa, N. Y. Railroad rail and
making same. 2,411,203; Nov. 19.

George, Melvin E., Jr.: *See—*

Hamilton, William F., George, and Weible.

George, Ralph W., Riverhead, N. Y., assignor to Radio
Corporation of America. Ultra high frequency system.
2,399,481; Apr. 30.

George, Ralph W., Riverhead, N. Y., assignor to Radio
Corporation of America. Filter. 2,409,556; Oct. 15.

George, Roscoe H., West Lafayette, Ind., assignor to
Radio Corporation of America. Signal receiver circuit.
2,411,963; Dec. 3.

Georgopoulos, Michael L., Washington, D. C. Straw and
milk container combination. 2,395,734; Feb. 26.

Georgopoulos, Michael L., Washington, D. C. Ice creeper.
2,406,074; Aug. 20.

Gepfert, Franklin G., Shaker Heights, Ohio. Drill.
2,404,043; July 16.

Gepfert, Franklin G., Shaker Heights, Ohio. Drill.
2,404,049; July 16.

Gephardt, Ferman E., Farmersville, Ohio. Portable con-
veyer. 2,397,959; Apr. 9.

Georce, Elvira, Brooklyn, assignor to Milady Brassiere &
Corset Co. Inc., New York, N. Y. Brassiere. 2,400,499;
May 21.

Geracl, Antonio, assignee: *See—*

Bongiovanni, Antonio.

Gerahy, James D., New York, N. Y. Container and mak-
ing same. 2,406,678; Aug. 27.

Geraty, Paul C., assignor, by mesne assignments, to Kel-
logg Switchboard and Supply Company, Chicago, Ill.,
and R. D. Collins, Beverly Hills, Calif. Making elastic
coil cables. 2,394,762; Feb. 12.

Gerbes, Otto, Goose Creek, Tex., assignor to Standard Oil
Development Company. Isomerization process.
2,408,018; Sept. 24.

Gerdes, August F., Clinton, Iowa. Welder's armrest.
2,403,654; July 9.

Gerecs, Arpad: *See—*

König, Renzo, Gerecs, and Földi.

Geren, Philip, assignor, by mesne assignments, to Lear,
Incorporated, Grand Rapids, Mich. Chuck. 2,403,100;
July 2.

Gerhardt, Anthony E., Los Angeles, Calif., and E. G.
Frim, Hicksville, N. Y., assignors to Press Wireless,
Inc., Chicago, Ill. Facsimile transmitting and repro-
ducing system, method, and apparatus. 2,403,358;
July 2.

Gerhardt, Andrew H., Skokie, and T. C. Maher, assignors
to Electric Household Utilities Corporation, Chicago,
Ill. Automatic ironing machine. Re. 27,720; Feb. 12.

Gerhardt, Bertha, assignee, et al.: *See—*

Gerhardt, Fred P.

Gerhardt, Fred P., Milwaukee, Wis., assignor of thirty-
nine per cent to B. Gerhardt and ten per cent to E. A.
Everett, Los Angeles County, Calif. Power unit.
2,398,221; Apr. 9.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pitts-
burgh Plate Glass Company, Allegheny County, Pa.
Conjoint polymerization product of dicarboxylic com-
pounds and vinyl compounds. 2,392,139; Jan. 1.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pitts-
burgh Plate Glass Company, Allegheny County, Pa.
Preparation of cyclopentadiene resin. 2,392,140;
Jan. 1.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pitts-
burgh Plate Glass Company, Allegheny County, Pa.
Coating materials. 2,392,732; Jan. 8.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pitts-
burgh Plate Glass Company, Allegheny County, Pa.
Resinous material. 2,397,600; Apr. 2.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pitts-
burgh Plate Glass Company, Allegheny County, Pa.
Resinous material. 2,398,589; Apr. 23.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pitts-
burgh Plate Glass Company, Allegheny County, Pa.
Coating composition and preparing the same. 2,399,179;
Apr. 30.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pitts-
burgh Plate Glass Company, Allegheny County, Pa.
Plasticized styrene-maleic resin composition. 2,407,413;
Sept. 10.

Gerhart, Howard L., Milwaukee, Wis., and L. M. Adams,
Corpus Christie, Tex., assignors to Pittsburgh Plate
Glass Company. Purifying dicyclopentadiene.
2,397,601; Apr. 2.

Gerhart, Howard L., and L. M. Adams, Milwaukee, Wis.,
assignors to Pittsburgh Plate Glass Company. Modified
alkyd type resins. 2,404,836; July 30.

Gerhold, Alfred, Westcliff-on-Sea, England. Screw.
2,403,359; July 23.

Gerhold, Clarence G., assignor to Universal Oil Products
Company, Chicago, Ill. Gas analysis and control.
2,393,362; Jan. 22.

Gerhold, Clarence G., assignor to Universal Oil Products
Company, Chicago, Ill. Noncorrosive media for heating
transfer. 2,394,164; Feb. 5.

Gerhold, Clarence G., assignor to Universal Oil Products
Company, Chicago, Ill. Downspout for bubble trays.
2,394,679; Feb. 12.

Gerhold, Clarence G., and L. A. Makler, assignors to Uni-
versal Oil Products Company, Chicago, Ill. Regenera-
tion of spent catalyst. 2,394,680; Feb. 12.

Gerhold, Clarence G., Chicago, Ill., and J. E. Burgess,
Sweeney, Tex., assignors to Universal Oil Products
Company, Chicago, Ill. Catalytic conversion of hydro-
carbons. 2,409,751; Oct. 22.

Gerlach, Carl A., Spring Lake, Mich. Adhesive applicator
for wrapping machines. 2,396,417; Mar. 12.

Gerlach, Carl A., assignor to Muskegon Motor Specialties
Company, Muskegon, Mich. Machine for honing cam-
shafts. 2,394,438; Feb. 5.

Gerlat, Erving F., Racine, Wis. Vibrato producing means
for musical instruments. 2,412,212; Dec. 10.

Gerley, Stephen, Chicago, Ill. Shoe rack. 2,409,268;
Oct. 15.

German, Howard M., East Orange, assignor to Driver-
Harris Company, Harrison, N. J. An austenitic chro-
mium-nickel-iron. 2,408,771; Oct. 8.

Germeshausen, Kenneth J., Newton Centre, Mass. Flash-
photography apparatus. 2,399,222; Apr. 30.

Germeshausen, Kenneth J., Cambridge, assignor to Ray-
theon Manufacturing Company, Newton, Mass. Igniter
for mercury-pool tubes. 2,398,422; Apr. 16.

Gernandt, Waldo G., assignor to Briggs Manufacturing
Company, Detroit, Mich. Engine. 2,401,631; June 4.

Gernandt, Waldo G., and A. E. Walden, assignors to Briggs
Manufacturing Company, Detroit, Mich. Engine.
2,409,034; Oct. 8.

Gerndt, Paul G., and J. A. Hannum, Detroit, Mich., as-
signors to United States Rubber Company, New York,
N. Y. Removing rubber from metal. 2,406,458; Aug.
27.

Germer, Theodore C., Oklahoma City, Okla. Drive shaft
bushing assembly. 2,403,520; July 9.

Germer, Theodore C., Oklahoma City, Okla. Method and
apparatus for repairing propeller shaft housings.
2,405,541; Aug. 6.

Gerehen, William R., Larchmont, N. Y. Shoulder pad.
2,403,274; July 2.

Gershman, David, New York, N. Y. Attaching ribs to
umbrella covers. 2,413,617; Dec. 17.

Gersohn, William, Yonkers, N. Y. Collapsible garment
hanger. 2,409,269; Oct. 15.

Gerspacher, Thomas S., Baldwin, N. Y. Window glass.
2,398,371; Apr. 16.

Gerst, Chris, Dearborn, Mich. Clutch structure.
2,401,864; June 11.

Gerst, Chris, Dearborn, assignor to Transmission Spe-
cialties Company, Detroit, Mich., a partnership of
Michigan. Clutch structure. 2,392,984; Jan. 15.

Gerteis, Karl M., assignor to Carrier Corporation,
Syracuse, N. Y. Modulating compressor capacity con-
trol. 2,412,503; Dec. 10.

Gertler, Samuel I., Washington, D. C., assignor to United
States of America as represented by the Secretary of
Agriculture and his successors in office. Insecticidal
compositions. 2,405,743; Aug. 13.

Gertler, Samuel I., Washington, D. C., assignor to United
States as represented by Secretary of Agriculture,
N,N-diethylbenzamide as an insect repellent.
2,408,389; Oct. 1.

Gertler, Samuel I., Washington, D. C., assignor to the
United States of America, as represented by the Sec-
retary of Agriculture. Insect repellent. 2,411,720; Nov.
26.

Gessler, Frederick A., assignor, by mesne assignments, to
Globe Milker, Inc., Des Moines, Iowa. Teat cup for
milking machines. 2,408,390; Oct. 1.

Getaz, James L., New York, N. Y. Processing of synthetic
fibers. 2,394,165; Feb. 5.

Getchell, Benjamin E., Plainville, Conn., assignor to The
Trumbull Electric Manufacturing Company. Thermo-
static switch. 2,412,142; Dec. 3.

Getzey, John J., Cincinnati, Ohio, assignor to Empira
Ironer, Inc. Ironer with steaming attachment.
2,392,286; Jan. 1.

Getzey, John J., Cincinnati, Ohio, assignor to Empire
Products, Inc. Cincinnati, Ohio. Trouser creasing de-
vice. 2,398,302; Apr. 9.

Getzey, John J., Cincinnati, Ohio, and C. H. Kruea, Fort
Thomas, Ky.: said Getzey assignor to Munny Manu-
facturing Company, Cincinnati, Ohio. Automatic basting
device. 2,400,405; May 14.

Gettelman, Fredrick, Milwaukee, Wis. Double wal-
led container. 2,404,484; July 23.

- Gettig, Martin S., Poland, and H. E. Engelbaugh, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Escapement mechanism. 2,405,947; Aug. 20.
- Gettig, Martin S., Poland, and H. E. Engelbaugh, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Apparatus for delivering elongated cylindrical articles. 2,407,638; Sept. 17.
- Geyer, Harvey D.: *See*—
Canter, Ralph, and Geyer.
- Geyer, Howard M., and H. Carson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Pump. 2,403,854; July 9.
- Geyer, William F., assignee, et al.: *See*—
Trent, Floyd E.
- Gfeller, Ernst, Zurich, Switzerland. Device for exchangeably mounting tools. 2,398,222; Apr. 9.
- Ghez, Henry and O., New York, N. Y. Flexible device. 2,397,415; Mar. 26.
- Ghez, Oscar: *See*—
Ghez, Henry and O.
- Ghoshal, Saraju P., Camden, N. J., assignor to Radio Corporation of America. Rectometer correction network. 2,412,393; Dec. 10.
- Giammaria, John J.: *See*—
Reiff, Orland M., and Giammaria.
- Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,410,578; Nov. 5.
- Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Lubricant composition. 2,410,650; Nov. 5.
- Giammatteo, Charles E.: *See*—
Judd, Charles H., and Giammatteo.
- Giantvalley, Lawton D., assignor of one-half to C. F. Carlson, Oakland, Calif. Stinger. 2,412,083; Dec. 3.
- Gibbins, William F., Jr., assignee: *See*—
McElhinney, Thomas R.
- Gibbons, Edward J., and T. M. O'Neill, Jr., assignors to American Cyanamid Company, New York, N. Y. Apparatus for determining mold cavity pressure. 2,399,342; Apr. 30.
- Gibbons, Percy A.: *See*—
Cotton, Frank H., and Gibbons.
- Gibbs, Benedict T., Santa Monica, Calif., assignor to Du-Wel Steel Products Company, Chicago, Ill. Rail fastener. 2,394,373; Feb. 5.
- Gibbs, Carlin F., Cuyahoga Falls, Ohio assignor to The B. F. Goodrich Company, New York, N. Y. Composition of matter. 2,393,156; Jan. 15.
- Gibbs, Carlin F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dihydroquinoline condensation product. 2,400,500; May 21.
- Gibbs, Carlin F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ketone aminoindanol condensation product. 2,408,391; Oct. 1.
- Gibbs, Harold L., and H. D. Snedden, Salt Lake City, Utah, assignors to the Government of the United States, as represented by the Department of Interior. Beneficiation of beryllium ores. 2,395,476; Feb. 26.
- Gibbs, Norman E.: *See*—
Schellens, Eugene L., and Gibbs.
- Gibbs, Thomas L., assignor of one-half to G. L. Danley, Denver, Colo. Float control valve. 2,394,994; Feb. 19.
- Gibsen, Kenneth P.: *See*—
Clark, Donald E., Steiner, and Gibsen.
- Gibson, George A., Jr., New York, N. Y. Toothbrush holder. 2,413,306; Dec. 31.
- Gibson, George R., Brookfield, assignor to The General Fireproofing Company, Youngstown, Ohio. Closure fastener. 2,406,459; Aug. 27.
- Gibson, J. Lowell, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,394,166; Feb. 5.
- Gibson, Marshall D., Webster Groves, Mo. Wall plug. 2,396,501; Mar. 12.
- Gibson Refrigeration Company, assignee: *See*—
Drake, Earl D.
Rosebrook, Homer E.
Rosebrook, Homer E., and Powell.
Yantis, Roy C.
- Gibson Refrigerator Company, assignee, et al.: *See*—
Pruitt, Harvey E.
- Gibson, Sydney A.: *See*—
Olpin, Henry C., and Gibson.
- Gidden, Norman L., New York, N. Y. Fastener. 2,404,169; July 16.
- Giddens, Joel E.: *See*—
Reeves, Richard F., and Giddens.
- Giddings & Lewis Machine Tool Co., assignee: *See*—
Gallimore, Keith F., and Kraut.
Jones, Gordon H.
- Kraut, Hans B., and Gallimore.
- Gideon, Lauretta F., assignee, et al.: *See*—
Gideon, Victor W.
- Gideon, Minor B.: *See*—
Gorka, Elynor D., and Gideon.
- Gideon, Victor W., assignor to V. W. Gideon, H. W. Jerry, L. F. Gideon, and L. C. Jerry, copartners doing business under the firm name of Par Manufacturing Co., Chicago, Ill. Adjustable chuck. 2,392,039; Jan. 1.
- Gideon, Victor W., assignor to V. W. Gideon, H. W. Jerry, L. F. Gideon, and L. C. Jerry, copartners, doing business under the firm name of Par Manufacturing Co., Chicago, Ill. Mandrel. 2,410,493; Nov. 5.
- Gideon, Victor W., assignor to Boyar-Schultz Corporation, Chicago, Ill. Tool bit fixture. 2,410,494; Nov. 5.
- Gier, Virgil, Turlock, Calif. Disk harrow. 2,402,884; June 25.
- Gieringer, Carl K., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Electrode for diathermy treatments. 2,404,283; July 16.
- Gieske, Werner A., assignor to S. C. Hurley, Jr., Danville, Ill. Electrically controlled amplifying circuit. 2,404,131; July 16.
- Giesen, Josef H., U. S. Navy. Fracture reducer. 2,393,982; Feb. 5.
- Gieske, Joseph H., St. Paul, assignor, by mesne assignments, to N. C. Smith, Minneapolis, Minn. Protractor. 2,412,084; Dec. 3.
- Gieskieng, Marion W., and W. A., Denver, Colo. Railway wheel checking device. 2,408,553; Oct. 1.
- Gieskieng, William A.: *See*—
Gieskieng, Marion W., and W. A.
- Gifford, Arthur D., Milford, Calif. Flower holder. 2,413,307; Dec. 31.
- Gifford, Carl E., Zanesville, V. W. Carpenter, Franklin, and L. L. Cook, Zanesville, assignors to The American Rolling Mill Company, Middletown, Ohio. Flattening silicon steel sheets. 2,412,041; Dec. 3.
- Gifford, Joseph F., Maplewood, N. J., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del. Treating textile material to prevent edge curling. 2,402,621; June 25.
- Giger, Ernst, Zurich, assignor of one-half to E. Boppart, Thalwil (Canton Zurich), Switzerland. Liquid delivery device. 2,402,036; June 11.
- Giger, Walter, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Dual power thermal locomotive. 2,405,352; Aug. 6.
- Gilbert, A. C. Company, assignee: *See*—
Gilbert, Alfred C.
- Gilbert, Alfred C., Hamden, assignor to A. C. Gilbert Company, New Haven, Conn. Constructional toy with menagerie blocks. 2,398,223; Apr. 9.
- Gilbert & Barker Manufacturing Company, assignee: *See*—
De Landrey, Warren H.
Elliot, Donald C.
Elliot, Donald C., and Paul.
Grise, Alfred L.
Logan, Joseph A.
Mesh, Theodore J.
Speare, Leolyn F.
- Gilbert, Benjamin D., New York, N. Y. Drinking glass. 2,395,267; Feb. 19.
- Gilbert and Bennett Manufacturing Company, The, assignee: *See*—
Miller, David H., Knowles, and Hughes.
- Gilbert, Chalmers V., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Impulse actuated timing means. 2,407,232; Sept. 10.
- Gilbert, Frank, Jr., Olmsted Falls, Ohio. Container closure and closing containers. 2,403,855; July 9.
- Gilbert, Frank, Jr., Olmsted Falls, Ohio. Container and making same. 2,407,639; Sept. 17.
- Gilbert, George R., Elizabeth, N. J., assignor to Standard Oil Development Company. Production of motor fuels. 2,404,050; July 16.
- Gilbert, Harold H., assignor to Ex-Cell-O Corporation, Detroit, Mich. Positioning device. 2,400,501; May 21.
- Gilbert, Harvey N., Niagara Falls, N. Y., assignor to D. I. du Pont de Nemours & Company, Wilmington, Del. Metal coating light metals. 2,398,738; Apr. 16.
- Giert, Harvey B., Niagara Falls, N. Y., assignor to D. I. du Pont de Nemours & Company, Wilmington, Del. Coating ferrous metals with molten aluminum. 2,408,623; Oct. 1.
- Gilbert, Joseph A., Emeryville, Calif., assignor to Moore Business Forms, Inc. Manifolding assembly. 2,395,808; Mar. 5.
- Gilbert, Richard H.: *See*—
Beekley, Henry L., Gilbert, and Lacart.
- Gilbert, Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. High-frequency dielectric heating apparatus. 2,396,004; Mar. 5.
- Gilbert, Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electronic micrometer. 2,403,521; July 9.
- Gilbert, Walter Sr., Johnstown, assignor to Syntro Company, Homer City, Pa. Rotary seal. 2,398,783; Apr. 23.
- Gilbreath, John N., Summerville, Ga. Loop cutter. 2,411,259; Nov. 19.
- Glich, Herman F., Duquesne, assignor of two-fifths to A. J. Czudek, West Mifflin, Pa. Hollow axle testing device. 2,399,864; May 7.
- Glichrist, Peter S., Jr., Charlotte, N. C. Bubble gun. 2,393,039; Jan. 15.
- Gliderdale, John O.: *See*—
Evre, Charles M., Le G., and Gliderdale.
- Giles, Delos C., Oil City, Pa. Spirally wound barrel closure. 2,412,576; Dec. 17.

- Giles, Dilsy L., Burbank, Calif. Pipe coupling. 2,412,394; Dec. 10.
- Gillilan, Henry W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Combined starter and generator drive. 2,402,547; June 25.
- Gillilan, Henry W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for comparing pressures. 2,407,925; Sept. 17.
- Gillilan, Henry W., Detroit, D. M. Borden, Royal Oak, and P. W. Wyckoff, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Apparatus for controlling the power plants of aircraft. 2,402,385; June 25.
- Gillilan, Henry W., Detroit, and E. L. Bailey, Birmingham, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,409,557; Oct. 15.
- Gillilan, John T., Jr., Kenosha, Wis. Translating mechanism for printing telegraph. 2,413,557; Dec. 31.
- Gillilan, Paul M., assignor to Shellmar Products Company, Mount Vernon, Ohio. Container. 2,392,848; Jan. 15.
- Gilkey, Guy R., Spokane, assignor of one-half to G. Furler, Metaline Falls, Wash. Reseating tool for valve bodies. 2,397,000; Mar. 19.
- Gill, Arrie: *See—*
- Gill, George A. and A.
- Gill, Emerson C., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Holder and positioner for heel parts. 2,408,844; Oct. 8.
- Gill, Emerson C., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening-inserting machine. 2,408,845; Oct. 8.
- Gill, George A. and A., Mexia, Tex. Shuttle guard. 2,396,780; Mar. 19.
- Gill, James C.: *See—*
- Sigler, Laurence M., and Gill.
- Gill, Kathryn B., assignee: *See—*
- Sigler, Laurence M., and Gill.
- Gill, Lowell O., and J. W. McDonald, assignors to A. E. Staley Manufacturing Co., Decatur, Ill. Thick pasting starch and methods. 2,407,071; Sept. 30.
- Gill, Ray H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rivet. 2,409,352; Oct. 15.
- Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,403,917; July 16.
- Gilleland, Grover W., Steamboat Springs, Colo. Building structure. 2,397,345; Mar. 26.
- Gillierstrom, Hilmer, South Pasadena, Calif., assignor to Independent Pneumatic Tool Co., Chicago, Ill. Control valve mechanism for pneumatic tools. 2,392,141; Jan. 1.
- Gillespie, Charles N.: *See—*
- Halborg, Henry E., Gillespie, and Clark.
- Gillespie, Henderson C., Moorestown, N. J., assignor to Radio Corporation, New York, N. Y. Control of electrical arcs. 2,411,325; Nov. 19.
- Gillespie, Stanley E., Evanston, assignor to Western Railroad Supply Company, Chicago, Ill. Apparatus for the control of highway crossing signals. 2,391,961; Jan. 1.
- Gillette, Arthur J., Chicago, Ill. Manhole cover locking mechanism. 2,402,246; June 18.
- Gillette, Harold R., Boston, Mass. C. J. Kopp, Chicago, Ill., and R. S. Gillette, Springfield, Vt., assignors to Federal Electric Company, Inc., Chicago, Ill. Tube forming machine. 2,401,728; June 11.
- Gillette, Robert S.: *See—*
- Gillette, Harold R., Kopp, and Gillette.
- Gillette Safety Razor Company, assignee: *See—*
- Muros, Joseph.
- Testi, Nicholas.
- Gillman, Coleman W., Birmingham, Ala., assignor of one-third to P. J. Coyle and one-third to E. Y. McMorries, Birmingham, Ala. Collapsible metal core for molding concrete. 2,393,765; Jan. 29.
- Gillman, James S.: *See—*
- Nevins, Samuel L., Albertson, and Gillman.
- Gillman, Thomas B., Washington, D. C. Refrigerating apparatus. 2,403,275; July 2.
- Gillard, Ernest T., Trout Run, Pa., assignor to The Aviation Corporation, New York, N. Y. Clutch mechanism for variable-speed gearing. 2,403,594; July 9.
- Gilliland, Prentice, Los Angeles, Calif. Garment holder. 2,405,124; Aug. 6.
- Gillings, Charles, and L. J. Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone or like system. 2,398,826; Apr. 23.
- Gillings, Charles, C. E. Beale, and T. B. D. Terroni, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc. Telephone or like signaling system. 2,407,150; Sept. 3.
- Gillings, Charles, and C. E. Beale, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc. Telephone or like signaling system. 2,407,640; Sept. 17.
- Gillings, Charles, and L. J. Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Crossbar selector switching unit. 2,409,122; Oct. 8.
- Gillings, Charles, and L. J. Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Crossbar switching mechanism. 2,412,257; Dec. 10.
- Gillings, Charles, and L. J. Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone or like system. 2,412,258; Dec. 10.
- Gilliver, Gilbert: *See—*
- Grace, Bertram B., Handley, and Gilliver.
- Gillman, Samuel, New York, N. Y. Shoulder pad for garments. 2,399,731; May 7.
- Gillmore, Kenneth B., and G. H. F. Brown, assignors to The De Havilland Aircraft Company Limited, Hatfield, England. Variable pitch propeller. 2,407,414; Sept. 10.
- Gillum, Donald E., Hermosa Beach, and C. J. Gallant, Brentwood Heights, assignors to North American Aviation, Inc., Inglewood, Calif. Vibrometer. 2,408,392; Oct. 1.
- Gilman, John E., 3rd, Schenectady, N. Y., assignor to General Electric Company. Switch operating mechanism. 2,399,482; Apr. 30.
- Gilman, Wayne H., Oak Park, assignor to Permodux Corporation, Chicago, Ill. Communications equipment. 2,413,845; Dec. 31.
- Gilman, Webster E., River Forest, assignor to Permodux Corporation, Chicago, Ill. Communications equipment. 2,394,374; Feb. 5.
- Gilmartin, Thomas: *See—*
- Silverman, Daniel, and Gilmartin.
- Gilmore, Clement R.: *See—*
- Livar, Allen P., and Gilmore.
- Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupling, support and positioning device. 2,401,822; June 11.
- Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Supporting and positioning device for car couplers. 2,401,823; June 11.
- Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car roof walk. 2,404,284; July 16.
- Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Positioning and supporting device for car couplers. 2,404,285; July 16.
- Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car structure. 2,409,035; Oct. 8.
- Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car wall. 2,412,806; Dec. 17.
- Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Side wall for railway hopper cars. 2,412,807; Dec. 17.
- Gilton Products Co., Inc., assignee: *See—*
- Pearle, George.
- Gimenez, Leopoldo R., Buenos Aires, Argentina. Rotary mill. 2,397,346; Mar. 26.
- Ginger-Cola Dispenser, Inc., assignee: *See—*
- Lloyd, Charles W.
- Gingras, Edward W., Buffalo, N. Y. Driving belt. 2,397,313; Mar. 26.
- Gingras, Edward W., Buffalo, N. Y. Driving belt. 2,405,496; Aug. 6.
- Ginn, Earl, North Muskegon, assignor to Continental Motors Corporation, Muskegon, Mich. Internal-combustion engine. 2,411,653; Nov. 26.
- Ginsberg, Victor E., assignee: *See—*
- Hall, Charles W.
- Ginter, Charles W., assignor to The Aero Equipment Corporation, Bryan, Ohio. Blind riveter. 2,404,051; July 6.
- Ginter, Charles W., assignor to The Aero Equipment Corporation, Bryan, Ohio. Lubrication coupler. 2,404,052; July 16.
- Gintzon, Edward L., Wantagh, assignor to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Ultra high frequency attenuator. 2,407,267; Sept. 10.
- Gintzon, Edward L., Garden City, N. Y., assignor to Sperry Gyroscopic Company, Inc. Frequency multiplier. 2,408,420; Oct. 1.
- Gintzon, Edward L., Wantagh, W. Palmer, West Hempstead, and E. A. Jenks, Rockville Centre, assignors to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Frequency control system. 2,410,817; Nov. 12.
- Giovara, Wilson V.: *See—*
- Wegner, William C., and Giovara.
- Girdler Corporation, The, assignee: *See—*
- Arnold, Melvin R.
- Graf, Robert A.
- Miller, Bruce De H.
- Reed, Robert M.
- Reitmeier, Ronald E.
- Zotta, Paul D.
- Girl, Christian: *See—*
- Longoria, Antonio, and Girl.
- Giroud, Philias H.: *See—*
- Chadwick, George A., and Giroud.
- Girvin, Murray D., Manteca, and L. A. Dentone, Stockton, Calif., assignors, by mesne assignments, to The Permanente Metals Corporation. Sublimation apparatus. 2,399,180; Apr. 30.
- Gisholt Machine Company, assignee: *See—*
- Smidt, Vigo Von K.
- Gisondi, Emanuel, Larchmont, N. Y. Fastening device. Re. 22,758; May 21.

- Gisondi, Emanuel, Larchmont, N. Y. Fastening device. 2,398,784; Apr. 23.
- Gist, Clyde E., St. Louis, Mo. Gluing device. 2,397,853; Apr. 2.
- Gisvold, Ole, assignee: *See*—Hansen, Thorwald.
- Gisvold, Ole, assignor to Regents of the University of Minnesota, Minneapolis, Minn. Plant extracts and producing same. 2,408,924; Oct. 8.
- Gits, Joseph A., Chicago, Ill. assignor to West Disinfecting Company, Long Island City, N. Y. Dispensing device. 2,399,016; Apr. 23.
- Gits, Joseph A. and J. P., Chicago, Ill. Flashlight. 2,408,393; Oct. 1.
- Gits, Jules P. *See*—Gits, Joseph A. and J. P.
- Gittings, William N., Oakmont, and A. W. Bateman, Yeadon, Pa. assignors to General Electric Company. Electric control system. 2,407,072; Sept. 3.
- Gitzen, Walter H.: *See*—Riesmeyer, August H., and Gitzen.
- Giuliani, Chester J., and C. H. Angell, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,409,353; Oct. 15.
- Gjusein, Jerome, Cincinnati, Ohio, assignor to The Good-all Worsted Company, Sanford, Maine. Coat construction. 2,396,095; Mar. 5.
- Given, Charles F., Washington, D. C., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va. Phosphoric acid detergent composition. 2,413,495; Dec. 31.
- Givnan, James D., Portland, Oreg. Screw. 2,395,476; Feb. 26.
- Glabe, Elmer F.: *See*—Bauer, Hans F. and Glabe.
- Glabe, Elmer F., Chicago, Ill., assignor, by mesne assignments, to Stein, Hall & Co., Inc. Producing dried tomato product. 2,392,241; Jan. 1.
- Gladden, John N., and L. Zielinski, Glendale, Calif. Attachment fitting. 2,401,324; June 11.
- Gladding, McBean & Co., assignee: *See*—Davids, Ernest M.
- Gladfeiler, Wiltie L., Philadelphia, Pa., and W. A. Schmidt, Chase, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for handling and coating containers. 2,397,733; Apr. 2.
- Gladfeiler, Wiltie L., Philadelphia, Pa., and W. A. Ehrlich, Bridgeport, Conn., assignors to Crown Can Company, Philadelphia, Pa. Can-beading machine. 2,407,776; Sept. 17.
- Glaise, William, et al., assignee: *See*—Barber, Lonnie.
- Glanz, Sjonne W., and A. H. Tidd, Cleveland, assignors to The Aero Equipment Corporation, Bryan, Ohio. Snap-on valve. 2,412,380; Dec. 10.
- Glarum, Sivert N., Ardmore, Pa., and J. J. Thomas, Portland, Maine, assignors to Rohm & Haas Company, Philadelphia, Pa. Stabilization of converted starch pastes. 2,400,820; May 21.
- Glaser, Myer M.: *See*—Bernheim, Daniel P., and Glaser.
- Glascoff, Walter G., Jr., and C. W. Evert, assignors to Downing Box Company, Milwaukee, Wis. Fiberboard container having reinforced ends and integral lugged closure. 2,409,673; Oct. 22.
- Glascoote Products, Inc., assignee: *See*—Brown, Carl S.
- Glaser, Alex F. G., Blimbing, Java, Netherlands East Indies; vested in the Alien Property Custodian. Fluid turbine. 2,404,371; July 23.
- Glaser, Heinrich: *See*—West, Georg, and Glaser.
- Glasgow, Charles S., West Los Angeles, and C. G. Brown, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Landing gear. 2,411,420; Nov. 19.
- Glaser, Rudolph W.: *See*—Johansen, Elmer K., and Glaser.
- Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Electric control system. 2,410,651; Nov. 5.
- Glass, Siegmund, Zurich, Switzerland. Double luggage bag for cycles. 2,405,744; Aug. 13.
- Glasser, Charles J., Chicago, Ill. Variable density filter attachment for binoculars. 2,408,772; Oct. 8.
- Glassy, Courtney Q., assignor to Eastman Kodak Company, Rochester, N. Y. Vacuum printing frame gasket. 2,398,503; Apr. 9.
- Glassy, Courtney Q., assignor to Eastman Kodak Company, Rochester, N. Y. Airspaced support. 2,400,346; May 14.
- Glassner, Mitchell, assignor to Maryland Baking Company, Baltimore, Md. Cone jacket transfer mechanism. 2,413,448; Dec. 31.
- Glatfelter, P. H., Company, assignee: *See*—Luettgen, Andrew J.
- Glauber, John J.: *See*—Chevigny, Paul G., and Glauber.
- Glauber, John J., West Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device. 2,397,854; Apr. 2.
- Glaivin, Robert F., Bristol, Tenn., assignor to Universal Moulded Products Corporation, Bristol, Va. Molding and gluing press. 2,401,299; June 4.
- Glaze, Leavitt B., assignor to P. Henry, Los Angeles, Calif. Clamping device. 2,405,251; Aug. 6.
- Glazer, William H., Philadelphia, Pa. Ophthalmic test device. 2,410,729; Nov. 12.
- Gleason, Anthony H.: *See*—Sparks, William J., and Gleason.
- Gleason, Anthony H., Westfield, and W. J. Sparks, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated, Promoting the emulsion polymerization of conjugated diolefins. 2,393,157; Jan. 15.
- Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil composition. 2,394,909; Feb. 12.
- Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Solvent and freeze-resistant synthetic rubber and preparing same. 2,412,214; Dec. 10.
- Gleason, George A., Boston, Mass. Platform shoe. 2,392,815; Jan. 15.
- Gleason, George A., Lawrence, Mass. Shoemaking. 2,392,816; Jan. 15.
- Gleason Works, assignee: *See*—Barker, Paul F., Hartman, Galloway, and Kunes.
- Gleason, Clarence T., Johanson, Magnus H., and Wildhaber, Ernest.
- Gleeson, Murray A., assignor to Crane Co., Chicago, Ill. Gasket. 2,401,923; June 11.
- Gleisner, Walter J., assignor to W. C. Ritchie and Company, Chicago, Ill. Receptacle base. 2,404,485; July 23.
- Glendenning, Everett B., Cranford, N. J., assignor to Shell Development Company, San Francisco, Calif. Burner. 2,393,897; Jan. 29.
- Glenn, Howard A., assignee, et al.: *See*—Engelhorn, Alvin F.
- Glenn, Richard A.: *See*—Shive, William, and Glenn.
- Glennon, James B., U. S. Navy. Rising drifting mine. 2,412,770; Dec. 17.
- Glennon, James B., A. H. Sellman, and W. R. Maltby, Washington, D. C. Magnetic controlling device. 2,397,357; Mar. 26.
- Glennon, James B., Washington, D. C., and Robert H. Park, Pluckemin, N. J. Mine firing device and control means therefor. 2,400,549; May 21.
- Glessner, Milton O., Salina, Kans. Handling granular materials. 2,409,270; Oct. 15.
- Glickman, Benjamin, New York, N. Y. Shoulder pad. 2,405,030; July 30.
- Glidden, Alfred A., Watertown, and W. R. Hickler, Winthrop, Mass., assignors to The E. F. Goodrich Company, New York, N. Y. Ship-deck planking. 2,397,936; Apr. 9.
- Glidden Company, The, assignee: *See*—Julian, Percy L., and Cole.
- Glidden, Percy L., and Iverson, Levinson, Arthur A., Malter, and Julian, Mowlds, Kenneth S.
- Glines, Carl R., Hamden, Conn., assignor to Charis Corporation, New York, N. Y. Foundation garment. 2,406,215; Aug. 20.
- Global Press, Inc., assignee: *See*—Raisz, Erwin.
- Globe Company, The, assignee: *See*—Bilek, Frank J.
- Globe Hoist Company, assignee: *See*—Thompson, Elmer B.
- Globe Milker, Inc., assignee: *See*—Gessler, Frederick A.
- Globe Products Manufacturing Company, assignee: *See*—Thomas, James C., III.
- Globe, Samuel: *See*—Hilsenrath, Joseph, and Globe.
- Globe-Union Inc., assignee: *See*—Ehler, George M., and Roup.
- Globus, Alfred R., Brooklyn, N. Y. Producing acetaldehyde. 2,402,958; July 2.
- Glock, Charles F.: *See*—Cooper, William B., and Glock.
- Glogau, Richard C., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition. 2,407,151; Sept. 3.
- Gloor, Walter E., New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del. Molding compositions and articles thereof. 2,412,611; Dec. 17.
- Glover, Alan M.: *See*—James, Robert B., and Glover.
- Glover, Clarence D., Tampa, Fla. Lawn sprinkler. 2,399,112; Apr. 23.
- Glover, George W., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,399,920; May 7.
- Glover, John E., Jr., Queens Village, N. Y., assignor to Republic Aviation Corporation. Aircraft structure. 2,399,732; May 7.
- Glover, Robert C., and R. O. Childers, Olney, Ill., assignors to Baker Oil Tools, Inc., Vernon, Calif. Apparatus for supporting and cementing liners or casings in well bores. 2,411,260; Nov. 10.
- Glover, Roland L., Lakewood, Ohio, assignor to National Carbon Company, Inc. Dry cell and manufacturing the same. 2,396,693; Mar. 19.

- Glover, William C. Jr., Lee's Summit, Mo. Threading regulator for drill presses. 2,404,053; July 16.
- Glowski, William L.: *See*—
- Keeling, William O. and Glowski.
- Glowski, William L., Pittsburgh, and C. F. Winans, Beaver, Pa., assignors, by mesne assignments, to Koppers Company, Inc. Separation of homologues of pyridine. 2,402,158; June 18.
- Gluckman, Maxfield, Jackson Heights, N. Y. Swivel tier desk tray. 2,395,031; Apr. 9.
- Gluessenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company. N-acyl derivatives of aminobiphenyls. 2,396,502; Mar. 12.
- Glukes, Bernard R., assignor to The Kinney Company, Los Angeles, Calif. Construction toy. 2,406,759; Sept. 3.
- Glush, Daniel P., and J. A. Claus, Detroit, Mich., assignors to National Steel Corporation. Sheet stacker. 2,412,083; Dec. 3.
- Gluyas, Thomas M., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Open wire transmission line. 2,392,473; Jan. 8.
- Gluyas, Thomas M., Jr., Collingswood, and L. J. Wolf, Audubon, N. J., assignors to Radio Corporation of America. Lobe switching antenna. 2,411,034; Nov. 12.
- Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Dry concentrating table. 2,392,914; Jan. 15.
- Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Drive mechanism for tire molds. 2,396,781; Mar. 19.
- Godber, George R., Los Angeles, Calif. Construction for electric storage batteries. 2,407,826; Sept. 17.
- Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Radio communication system. 2,392,586; Jan. 8.
- Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Submarine detection. 2,402,391; June 18.
- Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Sectional parabolic antenna system. 2,413,558; Dec. 31.
- Goddard, Esther C., executrix: *See*—
- Goddard, Robert H.
- Goddard, Myron C.: *See*—
- Dehn, Joseph W., and Goddard.
- Goddard, Robert H.: *See*—
- Thompson, Louis T. E., and Goddard.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid feeding apparatus. 2,394,852; Feb. 12.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid storage tank. 2,394,853; Feb. 12.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Mechanism for feeding combustion liquids to rocket apparatus. 2,395,113; Feb. 19.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotatable combustion chamber for rocket apparatus. 2,395,114; Feb. 19.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rocket combustion apparatus for aircraft. 2,395,403; Feb. 26.
- Goddard, Robert H., deceased, Roswell, N. Mex.; E. C. Goddard, executrix, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Aerial propulsion apparatus. 2,395,404; Feb. 26.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Landing apparatus for rocket craft. 2,395,405; Feb. 26.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion apparatus. 2,395,406; Feb. 26.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rocket directing apparatus. 2,395,809; Mar. 5.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Apparatus for controlling acceleration and deceleration in aircraft. 2,396,321; Mar. 12.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rocket apparatus. 2,396,566; Mar. 12.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion apparatus. 2,396,567; Mar. 12.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Apparatus for steering aircraft. 2,396,568; Mar. 12.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Control mechanism for rocket apparatus. 2,397,657; Apr. 2.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion apparatus. 2,397,658; Apr. 2.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Control mechanism for rocket apparatus. 2,397,659; Apr. 2.
- Goddard, Robert H., deceased, Roswell, N. Mex.; E. C. Goddard, executrix, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Propelling apparatus for aircraft. 2,397,998; Apr. 9.
- Goddard, Robert H., deceased, Roswell, N. Mex.; E. C. Goddard, executrix, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Propelling apparatus for aircraft. 2,397,999; Apr. 9.
- Goddard, Robert H., deceased, Annapolis, Md.; E. C. Goddard, executrix, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber. 2,405,785; Aug. 13.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Feeding device for combustion chambers. 2,409,036; Oct. 8.
- Goddard, Robert H., Roswell, N. Mex., and F. R. Weaver, Edgewood Arsenal, Md. Spray tank for dispersing fluids from aircraft. 2,408,774; Oct. 8.
- Goddin, Avery H., Newark, and N. E. Searle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 2,392,733; Jan. 8.
- Godet, Sidney, Schenectady, N. Y., assignor to General Electric Company. Follow-up control system. 2,406,143; Aug. 20.
- Godet, Sidney, Schenectady, N. Y., assignor to General Electric Company. Directive radio system. 2,412,612; Dec. 17.
- Godet, Sidney, Albany, N. Y., assignor to General Electric Company. Follow-up control system. 2,407,876; Sept. 17.
- Godoy, Albert L., Mexico City, Mexico. Closure for envelopes and the like. 2,400,406; May 14.
- Godsey, Frank W., Jr., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic housing for electromagnet devices. 2,399,343; Apr. 30.
- Godsey, Frank W., Jr., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Aircraft power plant. 2,404,954; July 30.
- Godsey, H. Mitchell, Crockett, Tex. Combined wheel rim and pneumatic tire. 2,410,209; Oct. 29.
- Godwin, Gordon, Montreal, Quebec, assignor to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Trailer. 2,405,299; Aug. 6.
- Goebel, George, deceased, by H. Goebel, administratrix, and H. A. Rau, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Article handling apparatus. 2,408,019; Sept. 24.
- Goebel, Helmut, and Rau.
- Goebel, George H., and Rau.
- Goebel, Lawrence M.: *See*—
- Goebel, Paul L., and L. M.
- Goebel, Paul L., Marietta, Ohio, and L. M. Goebel, Parkersburg, W. Va. Engine. 2,397,734; Apr. 2.
- Gochmann, Maurice H., Dearborn, Mich., assignor, by mesne assignments, to United States of America. Recoilless mechanism for guns and mortars. 2,406,537; Aug. 27.
- Goepfert, George J., and R. H. Rushmer, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and manufacturing the same. 2,397,101; Mar. 24.
- Goepfert, Jane P.: *See*—
- Rowe, Robert G., and Goepfert.
- Goepfert, Otto F., Brevard, N. C., assignor to Endless Belt Corporation. Belt processing machine. 2,392,817; Jan. 15.
- Goepfert, Otto F., Brevard, assignor, by mesne assignments, to Champagne Paper Corporation, Pisgah Forest, N. C. Feed control device. 2,402,037; June 11.
- Goepfert, Otto F., W. K. Straus, and R. H. Clayton, Jr., Brevard, N. C., assignors to Champagne Paper Corporation. Cigarette paper booklet. 2,400,301; May 14.
- Goepfert, Werner F., Oradell, N. J., assignor to Interchemical Corporation, New York, N. Y. Production of sugar cane wax. 2,391,893; Jan. 1.
- Goepfert, Werner F., Oradell, N. J., assignor to Interchemical Corporation, New York, N. Y. Black printing inks. 2,392,376; Jan. 8.
- Goepfert, Werner F., Oradell, N. J., assignor to Interchemical Corporation, New York, N. Y. Induline ink toners and carbon inks. 2,392,657; Jan. 8.
- Goepfert, Werner F., Oradell, N. J., assignor to Interchemical Corporation, New York, N. Y. Methyl violet ink toners and carbon inks. 2,392,658; Jan. 8.
- Goepfrich, George A., South Bend, Ind. Gun charger. 2,408,624; Oct. 1.
- Goepfrich, George A., assignor to Bendix Aviation Corporation, South Bend, Ind. Gun charging mechanism. 2,413,104; Dec. 24.

- Goefrich, Rudolph A., South Bend, Ind. Retaining device. 2,392,242; Jan. 1.
- Goefrich, Rudolph A., South Bend, Ind. Brake construction. 2,400,043; May 7.
- Goefrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake actuator. 2,400,042; May 7.
- Goefrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake construction. 2,404,054; July 16.
- Goepf, Rudolph M., Jr., New Castle, assignor to Atlas Powder Company, Wilmington, Del. Cellulose ester composition. 2,394,439; Feb. 5.
- Goerg, Alfred L., Port Angeles, Wash. Pack board. 2,394,300; Feb. 5.
- Goerg, Bernard, Bronxville, assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y. Heating apparatus. 2,392,587; Jan. 8.
- Goering, Kenneth B., Ames, Iowa, assignor to Anheuser-Busch, Incorporated, St. Louis, Mo. Recovering sterols from yeast and other cellular material. 2,395,115; Feb. 19.
- Goessel, Donald C., Milwaukee, Wis. Staple puller. 2,400,988; May 28.
- Goetz, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,394,167; Feb. 5.
- Goetz, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,394,681; Feb. 12.
- Goetz, Paul C.: *See—*
Tiger, Edward L. and Goetz.
- Goetz, Paul C., Mount Holly, N. J., assignor to The Permutit Company, New York, N. Y. Removal of silica from water. 2,401,924; June 11.
- Goetz, Ernest A.: *See—*
Britt, Vernon and Goetz.
- Goetze Gasket & Packing Co., Inc., assignee: *See—*
Dunkle, Heber H.
- Goff, Harold W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical drive device. 2,406,012; Aug. 20.
- Goga, George F., Kenmore, N. Y. Monorail tractor. 2,394,168; Feb. 5.
- Gohr, Edwin J.: *See—*
Martin, Homer Z., Murphree, Gohr, and Graham.
- Goland, Philip P., and C. R. Drew, Washington, D. C., assignors of two-fifths to P. P. Goland, two-fifths to C. R. Drew, as trustee, and one-fifth to A. D. Kessler. Surgical suction apparatus. 2,397,257; Mar. 26.
- Gold, John D., and C. D. Foulke, Steubenville, Ohio, assignors to National Steel Corporation. Heat treatment of thin metal articles. 2,393,363; Jan. 22.
- Golberg, Abraham A., Miami, Fla. Light amplifying attachment for neon tubes. 2,404,627; July 23.
- Golberg, Ben W., assignee: *See—*
Armstrong, Joseph F.
- Golberg, Edwin A.: *See—*
Rajchman, Jan A., and Golberg.
- Golberg, Harold, Irondequoit, assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Plan position indicator system. 2,395,966; Mar. 5.
- Golberg, Harold, Irondequoit, and W. C. Thompson, assignors to Stromberg-Carlson Company, Rochester, N. Y. Combined amplifier and power supply circuit. 2,403,716; July 9.
- Golberg, Harold, Irondequoit, and W. C. Thompson, assignors to Stromberg-Carlson Company, Rochester, N. Y. Synchronizing arrangement for locator system. 2,405,930; Aug. 13.
- Golberg, Joseph H., Chicago, Ill., assignor to Drink-O-Matic Co. Carbonating device. 2,402,132; June 18.
- Golberg, Leon J., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 2,406,216; Aug. 20.
- Golberg, Sydney J.: *See—*
Klemperer, Wolfgang B., and Golberg.
- Golden, Harry, New York, N. Y. Auto mirror bracket. 2,411,421; Nov. 19.
- Golden, Lucien P., and J. K. Gregg, Richmond, assignors to The Perfect Circle Company, Hagerstown, Ind. Antidetonation apparatus for automotive engines. 2,408,446; Oct. 8.
- Golden, Milton E., Chicago, Ill. Making hollow flexible boots. 2,411,874; Dec. 3.
- Golden State Company, Ltd., assignee: *See—*
Sharp, Paul F.
- Goldfield, Edwin R., and R. J. Stava, University Heights, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Eye bending device. 2,393,364; Jan. 22.
- Goldfinger, George, Brookline, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Treating styrene and other monomers used in polymerization processes. 2,412,504; Dec. 10.
- Goldfrank, Max: *See—*
Caesari, George, and Goldfrank.
- Goldich, Herbert, assignor of one-half to J. C. Flax, Springfield, Mass. Record container. 2,402,746; June 25.
- Goldie, Rowland J., and C. L. Wilber, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Gear and making it. 2,393,028; Jan. 29.
- Golding, Suzanne, New York, N. Y. Suction pad. 2,392,377; Jan. 8.
- Goldman, Benjamin, New York, N. Y. Double duty clothesline. 2,394,301; Feb. 5.
- Goldman, Joseph, New Brunswick, N. J., assignor to Fibre Products Laboratories, Inc. Fibrous structural material and method and apparatus for making same. 2,407,548; Sept. 10.
- Goldman, Paul R., Andover, assignor to Plymold Corporation, Lawrence, Mass. Manufacture of tubular structures. 2,393,898; Jan. 29.
- Goldman, Paul R., Andover, assignor to Plymold Corporation, Lawrence, Mass. Lamellar tubing construction. 2,402,039; June 11.
- Goldman, Paul R., Andover, assignor to Plymold Corporation, Lawrence, Mass. Wood tubing and the like. 2,402,040; June 11.
- Goldman, Paul R., Andover, assignor to Plymold Corporation, Lawrence, Mass. Telescopic tubular plywood mast and making the same. 2,412,678; Dec. 17.
- Goldman, Paul R., Andover, and R. Alt, assignors to Plymold Corporation, Lawrence, Mass. Wood tubing manufacture. 2,402,038; June 11.
- Goldman, Stanford, Fairfield, Conn., assignor to General Electric Company. Locating equipment. 2,399,017; Apr. 23.
- Goldman, Sylvia N., Oklahoma City, Okla. Bottle carrier. 2,396,003; Mar. 5.
- Goldmark, Peter C., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,406,760; Sept. 3.
- Golowski, Natasha, assignor to Welding Research, Inc., Chicago, Ill. Cleaning aluminum. 2,409,271; Oct. 15.
- Goldrick, Richard M., Arlington, and B. M. Marks, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Visible light transparent plastic. 2,403,794; July 9.
- Goldsborough, Shirley L.: *See—*
Mehring, Arthur C., Lensner, and Goldsborough.
- Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay. 2,393,933; Feb. 5.
- Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Long-line fault detector and relaying system. 2,404,955; July 30.
- Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Simplified ground relay. 2,408,208; Sept. 24.
- Goldsby, Arthur R.: *See—*
Smith, William R., and Goldsby.
- Goldsby, Arthur R., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Manufacture of high antiknock hydrocarbons. Re. 22,786; Sept. 3.
- Goldsby, Arthur R., Beacon, assignor to Texaco Development Corporation, New York, N. Y. Manufacture of motor fuels. 2,391,962; Jan. 1.
- Goldschmidt, Rudolf, Sheffield, England. Percussion tool. 2,407,604; Sept. 10.
- Goldschmidt, Rudolf, Sheffield, England, assignor to Radio Patents Corporation. Electromagnetic sound-transmission apparatus. 2,402,392; June 18.
- Goldsmith, Alfred N., New York, N. Y. Impulse counting and selecting device. 2,401,729; June 11.
- Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Television system. 2,398,705; Apr. 16.
- Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Secret communication system. 2,405,252; Aug. 6.
- Goldsmith, Bertram J., Neshaun, N. J. Hypodermic injection device. 2,403,074; July 2.
- Goldsmith Brothers Manufacturing Co., Inc., assignee: *See—*
Berkowitz, Victor.
- Goldsmith, Francis H.: *See—*
Daly, Roy, Goldsmith, and Munroe.
- Goldsmith, George R., Girraween Grove, Ashgrove, Brisbane, Queensland, Australia. Refrigerant evaporator. 2,407,827; Sept. 17.
- Goldsmith, Philip H., Wilmington, Del. Paper machine headbox. 2,393,244; Jan. 22.
- Goldsmith, Philip H., New Rochelle, N. Y. Making paper on cylinder mold type paper machines. 2,412,771; Dec. 17.
- Goldsmith, Thomas R., Buffalo, N. Y., assignor, by mesne assignments, to Super Tool Company, Macomb County, Mich. Milling cutter. 2,411,784; Nov. 26.
- Goldstein, David D., Pittsburgh, Pa. Sandal. 2,412,808; Dec. 17.
- Goldstein, Ladislav: *See—*
Feuer, Irving, and Goldstein.
- Goldstein, Ladislav, and F. Perrin, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Condenser-resistor. 2,395,623; Feb. 26.
- Goldstein, Maxwell K., Washington, D. C. Phase type direct indicating direction finder. 2,405,203; Aug. 6.
- Goldstein, William V., Freehold, and L. Shooman, Belmar, N. J. Strike toy. 2,403,522; July 9.
- Goldstine, Hallan E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultra-short wave communication system. 2,396,096; Mar. 5.

- Goldthwait, Charles F., New Orleans, La., assignor to the United States of America, as represented by the Secretary of Agriculture. Making cotton fabrics with differential elastic properties. 2,404,837; July 30.
- Goldthwaite, John L.: *See—*
- Gardiner, Arthur W., and Goldthwaite.
- Goldwasser, Seymour: *See—*
- Laving, Edwin T., and Goldwasser.
- Goldwyn Brothers, assignee: *See—*
- Polimac, Emeric.
- Goldwyn, George I., assignee, et al.: *See—*
- Polimac, Emeric.
- Goldwyn, Herman, assignee, et al.: *See—*
- Polimac, Emeric.
- Golfieri, Amelia, New York, N. Y. Lady's scarf. 2,413,318; Dec. 31.
- Golfieri, Amelia, New York, N. Y. Scarf-capuchin. 2,413,319; Dec. 31.
- Golick, Alexander J.: *See—*
- Galber, Harry, and Golick.
- Golick, Julian J.: *See—*
- Briskin, Theodore S., Zivny, Schellschmidt, and Golick.
- Golkowski, Floyd F., Cleveland, Ohio. Insect excluding sliding windows. 2,406,761; Sept. 3.
- Gollin, Geoffrey J.: *See—*
- Lubbock, Isaac, Gollin, Lindsay, and Poole.
- Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,405,789; Aug. 13.
- Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,410,935; Nov. 12.
- Golob, John E., and A. D. Dirksen, Dayton, Ohio. Electric lamp. 2,399,921; May 7.
- Golrick, Albert R., Cleveland Heights, Ohio. Method of and apparatus for transferring loads from loaded pallets to industrial trucks. 2,394,693; Feb. 12.
- Gomberg, Henry J.: *See—*
- Dow, William E., Early, and Gomberg.
- Gomersall, John R., Elgin, and M. Ireland, near Elgin, assignors to McGraw Electric Company, Elgin, Ill. Automatic electric toaster compensator for variable voltage current supply. 2,412,727; Dec. 17.
- Gonella, Bruno: *See—*
- Staples, Elliott E., and Gonella.
- Gonella, Louis H.: *See—*
- Laird, Royal B., and Gonella.
- Gonser, Bruce W.: *See—*
- Kreber, Frank W., Gonser, and Schaffert.
- González, Alberto A., San Francisco, Calif. Automobile illuminating arrangement. 2,405,856; July 9.
- González, Juan B., Lares, Puerto Rico. Safety match splitting device. 2,396,322; Mar. 12.
- González, Pedro A., Mayaguez, P. R. Money box. 2,401,065; May 28.
- Gooch, Stapleton D., Lake Wales, assignor to Pembroke Chemical Corporation, Pembroke, Fla. Fertilizer. 2,395,219; Feb. 19.
- Good, Charles A., San Francisco, Calif. Electrical connector. 2,402,279; June 18.
- Good, John N.: *See—*
- Nelson, Claude A., Good, and De Salardi.
- Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control mechanism. 2,395,180; Feb. 19.
- Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Interlock apparatus. 2,407,877; Sept. 17.
- Good, Walter A., Washington, D. C., assignor to United States of America as represented by the Secretary of the Navy. Unshorting switch. 2,395,782; Feb. 26.
- Goodale, Lynn C., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Producing vacuum tube electrodes. 2,410,060; Oct. 29.
- Goodale, Lynn C., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Sealing lead-in conductors. 2,410,061; Oct. 29.
- Goodale, Walter D., Jr., Convent Station, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling system. 2,411,537; Nov. 26.
- Goodale, Walter D., Jr., Convent Station, N. J., B. F. Lewis, Bayside, N. Y., and W. H. Martin, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for locating the source of an explosion wave. 2,403,874; July 16.
- Goodale, Walter D., Jr., Convent Station, and F. F. Romanow, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal translating device. 2,405,605; Aug. 13.
- Goodall-Sanford, Inc., assignee: *See—*
- Clark, Frank W.
- Riding, Thomas.
- Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Position determining system. 2,408,773; Oct. 8.
- Goodall Worsted Company, The, assignee: *See—*
- Gluseff, Jerome.
- Goody, William T., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Screw-threaded member. 2,407,741; Sept. 17.
- Goodchild, Frank D., assignor to Standard Telephones and Cables Limited, London, England. Electron discharge device. 2,395,043; Feb. 19.
- Goodchild, Frank D., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Electron discharge device. 2,406,827; Sept. 3.
- Goodchild, Frank D., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge apparatus. 2,411,538; Nov. 26.
- Goode, Russell F., Flint Hill, Va., assignor of one-half to J. E. Keyser, Washington, Va. Vaporizing tank. 2,400,821; May 21.
- Goodfriend, Irving F., assignee: *See—*
- Holtzman, John.
- Goodhue, Lyle D., Berwyn, Md., assignor to United States of America as represented by Claude R. Wickard, Secretary of Agriculture and his successors in office. Device for producing aerosols. 2,412,728; Dec. 17.
- Gooding, Francis H., Lodi, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Buoyant cable and electrode therefor. 2,396,260; Mar. 12.
- Gooding, Francis H., Lodi, and B. Levinson, East Paterson, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Buoyant electric cable. 2,396,270; Mar. 12.
- Gooding, Francis H., Lodi, and P. L. Sipp, Jr., Ridgewood, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Buoyant electric cable. 2,396,272; Mar. 12.
- Goodings, Eric P., and M. A. T. Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Ltd., Manchester. Manufacture of new coloring matters. 2,410,604; Nov. 5.
- Goodlass Wall & Lead Industries Limited, assignee: *See—*
- Rutcher William T., and Lloyd.
- Read, Norman J.
- Goodloe, Alfred M., Montclair, assignor to Metal Textile Corporation, West Orange, N. J. Oil bath air filter. 2,400,347; May 14.
- Goodman, Adolph, Brooklyn, N. Y. Over and under scale. 2,405,487; Aug. 6.
- Goodman, Henry G., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Endoalkylene hydroaromatic acids. 2,399,344; Apr. 30.
- Goodman, Henry G., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Esters of endoalkylene hydroaromatic acids. 2,399,345; Apr. 30.
- Goodman, Mac, New York, N. Y. Producing luminescent zinc sulphide. 2,405,031; July 30.
- Goodman Manufacturing Company, assignee: *See—*
- Beck, William R.
- Biedess, Anthony R.
- Cartledge, Frank.
- Craig, Ernest.
- Doberstein, Edward J.
- Eberle, Herman R.
- Hagenbook, Loy D.
- Sloane, William W.
- Slomer, Joseph J.
- Stoltz, Charles E.
- Wood, Morris J.
- Goodman, Morris, Lincoln, Nebr. Steering apparatus. 2,394,854; Feb. 12.
- Goodman, Robert, and H. J. Jacoby, New York, N. Y. Conical type level lifting device for derricks and jib cranes. 2,401,233; May 28.
- Goodmans Industries Limited, assignee: *See—*
- Miller, John W.
- Goodnow, Edward A.: *See—*
- Starr, James H., and Goodnow.
- Goodrich, B. F. Company, The, assignee: *See—*
- Antonson, John O.
- Bell, Millard R.
- Campbell, Robert G.
- Colley, Russell S.
- Colley, Russell S., Krupp, and Shook.
- Collins, Arthur E.
- Compton, Jack.
- Craig, David.
- Crawford, Richard A.
- Davis, Herbert L.
- Evans, Benjamin A.
- Freeman, Walter B., and Lindemann.
- Fryling, Charles F.
- Garvey, Benjamin S.
- Gibbs, Carlin F.
- Gill, Ray H.
- Glidden, Alfred A., and Hickler.
- Gresham, Thomas L., and Shaver.
- Grinter, Hershel W., and Gross.
- Gross, Malcolm E.
- Haushalter, Fred L.
- Herzogh, Frank.
- Hollerith, Charles.
- Hunter, Wilson H.
- Jones, Paul C., and Mathes.
- Keller, Russell J.
- Krotz, Alvin S.
- Krupp, Carl, and P.
- Leguillon, Charles W.
- Leguillon, Charles W., and Krotz.

- Goodrich, B. F., Company, The, assignee: *See*—Continued
 Legullion, Charles W., and Krupp.
 Mathes, Roger A.
 Mathes, Roger A., and Jones.
 McNabb, Frederick L.
 Miller, Henry P.
 Niessen, Paul F., and Cox.
 Pfau, Emert S.
 Phillips, Warren E.
 Sarbach, Donald V.
 Sauser, Doran E.
 Scharenberg, Elmer M.
 Schoenfeld, Frank K.
 Sears, William C.
 Semegen, Stephen T.
 Semon, Waldo L.
 Seyhan, Fred G.
 Shinguff, Eugene L., and Scheu.
 Slusher, Frank.
 Smisko, John.
 Sprigg, Edward A.
 Sternad, Frank S.
 Strong, Walter J.
 Goodrich, Chauncey M., Windsor, Ontario, assignor to The Canadian Bridge Company Limited, Walkerville, Ontario, Canada. Construction of piers. 2,410,778; Nov. 5.
 Goodrich, Frank W., Newark, N. J., assignor to American Can Company, New York, N. Y. Cutting device. 2,405,204; Aug. 6.
 Goodrich, Morris D., San Diego, Calif. Heavy-duty hand truck. 2,398,584; Apr. 16.
 Goodridge, Clarence E., Campbell, Calif. Hand plane. 2,395,268; Feb. 19.
 Goodson, Barrett L.: *See*—
 Montgomery, James V., Goodson, and Henry.
 Goodville, John E., assignor to Beloit Iron Works, Beloit, Wis. Papermaking machinery. 2,396,695; Mar. 19.
 Goodville, John E., and E. E. Berry, assignors to Beloit Iron Works, Beloit, Wis. Cylinder type papermaking machine and method. 2,396,694; Mar. 19.
 Goodwin, George E.: *See*—
 Cannon, Frank J., and Goodwin.
 Goodwin, George S., Chicago, Ill. Railway car truck. 2,394,238; Feb. 5.
 Goodwin, Lester C., Hornell, N. Y. Trailer hitch. 2,397,001; Mar. 19.
 Goodwin, Percy E., Salmon, Idaho. Load pickup hauling and dumping conveyance. 2,409,752; Oct. 22.
 Goodyear Aircraft Corporation, assignee: *See*—
 Nielsen, James S.
 Nielsen, James S., and Mitchell.
 Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Grommet and washer assembly. 2,393,984; Feb. 5.
 Gookin, Sylvester B., Marshfield, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Eye-letting machine. 2,410,495; Nov. 5.
 Goosmann, Herman W., Grand Rapids, Mich. Treatise. 2,412,895; Dec. 10.
 Goossen, Henry H.: *See*—
 Proudman, Chester F., and Goossen.
 Goppert, Ardash A.: *See*—
 Metzner, Albert W., and Goppert.
 Gorad, Samuel, and P. F. Jacobs, New York, N. Y. Combined check sorting and photographing apparatus. 2,393,462; Jan. 22.
 Goranson, Roy W.: *See*—
 Bancroft, Dennison, and Goranson.
 Gordon, Walter L.: *See*—
 Mall, Arthur W., and Gordon.
 Gorder, John R., Bismarck, N. Dak. Illuminating device. 2,407,829; Sept. 17.
 Gordon, Alexander L.: *See*—
 Hills, Leander H., and Gordon.
 Gordon, Charles W., Glen Ellyn, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Drying apparatus. 2,393,766; Jan. 29.
 Gordon, Donald B.: *See*—
 Halicki, William A., and Gordon.
 Gordon, George C., and E. F. Blackwelder, Rio Vista, Calif., assignors of twenty-one and one-fourth per cent to C. A. Loucks, thirty-six and one-fourth per cent to L. K. Schmidt, twenty-one and one-fourth per cent to A. M. Jongeneel, and twenty-one and one-fourth per cent to G. P. Du Bose. Beet harvester. 2,405,205; Aug. 6.
 Gordon, John C.: *See*—
 Kinnear, Reginald A., Chamberlain, McCanne, Falls, and Gordon.
 Gordon, Louis J., Chicago, Ill. Scriber. 2,400,407; May 14.
 Gordon, Philip L., New York, N. Y. Preparation of pressure-sensitive adhesive. 2,394,440; Feb. 5.
 Gordon, Reuben, Seattle, Wash., now by judicial change of name to Robert Gordon. Wire stripping machine. 2,401,149; May 28.
 Gordon, Richard F., Liverpool, England. Mounting the traveling wheels of road vehicles. 2,401,683; June 4.
 Gordon, Robert, judicial change of name: *See*—
 Gordon, Reuben.
 Gordon, Robert B.: *See*—
 Scott, Howard, and Gordon.
 Gordon, Victor J., London, England. Hair piece, toupee, or wig. 2,393,858; Jan. 29.
 Gora, Albert J., Washington, D. C. Buckle or coupler. 2,392,659; Jan. 8.
 Gorham, John E., Spring Lake, and A. W. Frevert, South Belmar, N. J., assignors to the Government of the United States of America, as represented by the Secretary of War. Modulator. 2,391,894; Jan. 1.
 Gorin, Everett: *See*—
 Gorin, Manuel H. and E., Sharp, and Welinsky.
 Gorin, Everett, Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of normally gaseous hydrocarbons. 2,396,697; Mar. 19.
 Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Preparation of halides. 2,404,055; July 16.
 Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrocarbon conversion process. 2,407,828; Sept. 17.
 Gorin, Everett, and A. G. Oblad, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of isoprene. 2,404,056; July 16.
 Gorin, Manuel H., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation. 2,401,925; June 11.
 Gorin, Manuel H. and E., and L. G. Sharp, Dallas, Tex., and L. H. Welinsky, Claysburg, Del., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Polymer reforming. 2,401,865; June 11.
 Gorin, Manuel H., and W. Swerdloff, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separation and reactions. 2,412,143; Dec. 3.
 Goris, William R.: *See*—
 Falge, Robert N., Onksen, and Goris.
 Goka, Elynor D., and M. E. Gidon, Kansas City, Mo. Needle threading instrument. 2,412,505; Dec. 10.
 Gorn, Elmer J., assignor to Raytheon Manufacturing Company, Newton, Mass. Television receiving system. 2,411,155; Nov. 19.
 Gorrell, John E., Newton Center, and A. S. Thyberg, Melrose, Mass.; said Thyberg assignor to said Gorrell. Carriage apparatus. 2,395,368; Mar. 12.
 Gorrihl, William S.: *See*—
 Hull, Harvard L., Gorrihl, and Frost.
 Gorton, George, Machine Co., assignee: *See*—
 Miller, Theodore.
 Gorton, Paul T., Grosse Pointe, assignor of fifty per cent to H. S. Pierce, Detroit, Mich. Alarm device for automobiles. 2,407,073; Sept. 3.
 Gorton-Pew Fisheries Company, Ltd., assignee: *See*—
 Hempel, Herbert.
 Gorton, Walter T., Springfield, Mass. Gun. 2,395,044; Feb. 19.
 Gorzelany, Thomas, Mount Clemens, Mich. Quick acting valve. 2,401,066; May 28.
 Goshorn, Roland H., Trenton, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of amines. 2,394,515; Feb. 5.
 Goshorn, Roland H., Trenton, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of amines. 2,394,516; Feb. 5.
 Goss, Norman P., Youngstown, Ohio, and E. E. Bowen, Follansbee, W. Va., assignors to The Cold Metal Process Company, Youngstown, Ohio. Container stock or the like. 2,393,528; Jan. 22.
 Goss, Oliver P. M.: *See*—
 Goss, Worth C. and O. P. M.
 Goss Printing Press Company, The, assignee: *See*—
 Crafts, Curtis S., and Harless.
 Edwards, James H.
 Foster, Frank A., and Worthington.
 Taylor, Auburn, and Worthington.
 Whitehead, William A.
 Goss, Worth C., Seattle, Wash., assignor to William A. Carlisle, Jr. Calcining catalyst for production of an activated primary carbon. 2,407,268; Sept. 10.
 Goss, Worth C. and O. P. M., assignors to W. A. Carlisle, Sr., Seattle, Wash. Activating primary carbon. 2,405,206; Aug. 6.
 Gossweyer, Earl W., Chicago, Ill., assignor to R. A. Wiley, as executrix of the Last Will and Testament of I. H. Wiley. Panoramic type gunnery trainer. 2,392,142; Jan. 1.
 Gothard, Thomas J., Los Angeles, Calif. Fog nozzle. 2,408,511; Oct. 1.
 Gottesman, Herman: *See*—
 Wolff, Barry S., and Gottesman.
 Gottfried, Louis, Bronx, N. Y. Baby chair. 2,409,622; Oct. 22.
 Gottholm, Carl G., Malden, Mass. Bridge guard. 2,392,529; Jan. 8.
 Gottier, Thomas L., Princeton, N. J., assignor to Radio Corporation of America. Receiving system for electric waves. 2,394,544; Feb. 5.
 Gottlieb, Elias, New York, N. Y. Remover for sweep wheels or the like for repairing watches. 2,403,216; July 2.

- Gottlieb, Hans B.: *See*—
Deinet, Joseph, and Gottlieb.
Lee, Henry R., Deinet, and Gottlieb.
- Gottlieb, Robert: *See*—
Sherman, Albert, and Gottlieb.
- Gottlieb, Robert, Newport News, Va., assignor of one-half to A. Sherman, Bronx, N. Y. Milling tool. 2,393,463; Jan. 22.
- Gottschalk, Emil, New York, N. Y. Making rubber footwear. 2,412,042; Dec. 3.
- Gottschalk, Lionel J., New Orleans, La. Clothes washing machine. 2,411,654; Nov. 26.
- Goudine-Levkovitch, Paul, Wentworth, assignor to Simmonds Acrocorvites Limited, London, England. Computer of the slide rule type. 2,410,210; Oct. 23.
- Gouge, Arthur, London, assignor to Saunders-Roe Limited, East Cowes, England. Flying boat base. 2,399,483; Apr. 30.
- Gouge, Arthur, assignor to Short Brothers (Rochester & Beard) Limited, Rochester, England. Wing lift modification. 2,404,956; July 30.
- Gough, Achilles C., Pocatello, Idaho. Electrode holder. 2,408,365; Aug. 27.
- Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Portable electric heater. 2,410,211; Oct. 29.
- Gould, Clarence D., Bronx, N. Y., assignor to Talon, Inc. Reversible automatic lock slider. 2,405,853; Aug. 13.
- Gould, Harry L., assignor of one-half to A. M. Krall, St. Louis, Mo. Garden and lawn rake. 2,412,980; Dec. 24.
- Gould, Russell L., Shirley Center, Mass. Candle holder. 2,393,767; Jan. 29.
- Gould, William L., Albany, N. Y. Type cleaner for type-writing machines. 2,394,855; Feb. 12.
- Gould, William L., Albany, N. Y. Door or window construction. 2,396,648; Mar. 19.
- Gould, William L., Albany, N. Y. Electric iron. 2,408,209; Sept. 24.
- Goulding, John P.: *See*—
Lecher, Hans Z., and Goulding.
Lecher, Hans Z., Goulding, and Parker.
- Goulds Pumps, Inc., assignee: *See*—
Landberg, Erik G.
Mann, John.
- Government of the United Kingdom of Great Britain and Northern Ireland, The Minister of Supply in His Majesty's, assignee: *See*—
Clothier, William C., Naylor, and Dunning.
- Government of the United States of America, assignee: *See*—
Carson, Robert H.
Ringle, Donald F.
- Goza, Charles A., assignor of one-half to H. E. Herbert, Los Angeles, and one-half to G. F. Notterman, Alhambra, Calif. Shopping bag carrier. 2,394,050; Feb. 8.
- Grabash, Peter J., Middletown, Pa. Airplane wheel turning device. 2,412,884; Dec. 17.
- Grabb, Raymond W.: *See*—
Boyles, Harry, and Grabb.
- Grabbe, Eugene M.: *See*—
Mooney, Melvin, Grabbe, and Havens.
- Grabovsky, Max, Brooklyn, N. Y. Aid to swimmers. 2,401,239; May 28.
- Grabowsky, Murray, assignor to R. J. Ederer Company, Chicago, Ill. Making net. 2,408,308; Sept. 24.
- Grace, Bertram B., J. Handley, and G. Gilliver, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Mounting jewels for instrument bearings. 2,396,462; Mar. 12.
- Grace, Bertram B., J. Handley, and G. Gilliver, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical measuring instrument. 2,408,060; Sept. 24.
- Grace, Laurence G.: *See*—
Voyle, John R., and Grace.
- Grace, Theodore E., Detroit, Mich. Propeller mounting. 2,393,153; Jan. 15.
- Gracia, Albert J., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio. Removing inhibitors. 2,410,779; Nov. 5.
- Gracia, Albert J., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio. Treatment of gyaule. 2,410,780; Nov. 5.
- Gracia, Albert J., Cuyahoga Falls, and Henry V. Powers, Tallmadge, Ohio, assignors to Wingfoot Corporation. Treatment of gyaule. 2,410,781; Nov. 5.
- Grad, Adolf R.: *See*—
Ferris, Walter, and Grad.
- Grad, Adolf R., Wauwatosa, assignor to The Oilgear Company, Milwaukee, Wis. Broaching machine. 2,400,691; May 21.
- Grade Crossing Guard Corporation, assignee: *See*—
Nampa, Sulo M.
- Gradisar, Albin A., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Sharpening machine. 2,402,155; June 18.
- Gradisar, Albin A., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Device for forming slits. 2,408,512; Oct. 1.
- Gradisar, Albin A., Buffalo, and M. G. Brown, Williams, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Hemoglobinometer. 2,396,250; Mar. 12.
- Gradisar, Albin A., and G. E. Guellich, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Optical viewing and illuminating device. 2,406,538; Aug. 27.
- Grabe, Herman C., Bridgewater, assignor to Carver Cotton Gin Company, Division of The Murray Company, East Bridgewater, Mass. Lathe adapter. 2,403,175; July 2.
- Graef, John N., Ann Arbor, Mich. Camera. 2,406,366; Aug. 27.
- Graenacher, Charles: *See*—
Albrecht, Otto, Graenacher, Sallmann, and Rossi.
- Graenacher, Charles, and J. Frei, Riehen, and J. Meyer, assignors to the Swiss firm of Society of Chemical Industry in Basle, Basel, Switzerland. Sulphonated ethers. 2,399,434; Apr. 30.
- Graenacher, Charles, Riehen, and R. Sallmann, Gelterkinden, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Condensation products of thiourea compounds. 2,411,655; Nov. 26.
- Graetz, Kermit, Verona N. J. Toy ski jumper. 2,404,572; July 23.
- Graf, Ernest, Philadelphia, Pa., assignor to The Electric Storage Battery Co. Storage battery container. 2,396,323; Mar. 12.
- Graf, Willi, assignor to Maag-Zahnradern und Maschinen Aktiengesellschaft, Zurich, Switzerland. Gear grinding machine. 2,404,573; July 23.
- Graff, George U., Washington, D. C. Primer composition. 2,395,045; Feb. 19.
- Graff, Robert A., assignor to The Girdler Corporation, Louisville, Ky. Separation and recovery of unsaturated gases. 2,410,496; Nov. 5.
- Graff, Stanley F., Minneapolis, Minn. Work table for shoe sole stitching machines. 2,411,855; Dec. 3.
- Graff, Wayne O., University Heights, Ohio, assignor to General Electric Company. Luminescent material. 2,400,925; May 28.
- Grafex, Inc., assignee: *See*—
Hineline, Edson S.
Jacobson, Irving, and Smith.
Kais, William S.
Steiner, Oscar.
- Grafman, Abraham J., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Double skin sheet metal structural elements. 2,392,518; Jan. 15.
- Grafton, Bernard, Brooklyn, N. Y. Leak-proof fountain pen. 2,405,787; Aug. 13.
- Graham & Allen, assignee: *See*—
Graham, George C.
- Graham, Bert, deceased; P. L. Graham, administratrix, Tacoma, Wash. Cuspidor cleaner. 2,404,286; July 18.
- Graham, Charles D., and E. S. Dybvig, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,401,560; June 4.
- Graham, Edmund C.: *See*—
Milloit, Arthur T., and Graham.
- Graham, Frederick D., assignor to Koehring Company, Milwaukee, Wis. Crane controlling and steering device. 2,393,768; Jan. 29.
- Graham, George C., assignor, by mesne assignments, to Graham & Allen, Ridgewood, N. J. Washing machine. 2,407,660; Sept. 17.
- Graham, Gerald G.: *See*—
Gallay, Wilfred, and Graham.
- Graham, Hugh R., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Apparatus for applying liquid treating medium to tenuous articles. 2,393,678; Jan. 29.
- Graham, John E., Huntingdon, W. Va., assignor to The Watt Car & Wheel Company, Barnesville, Ohio. Buffer and draft gear. 2,408,925; Oct. 8.
- Graham, John M.: *See*—
Martin, Homer Z., Murphree, Gohr, and Graham.
- Graham, Matthew P.: *See*—
Venditty, Anthony, and Graham.
- Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Making fastener studs. 2,399,181; Apr. 30.
- Graham, Matthew P., and A. Venditty, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Cowl fastener. 2,398,827; Apr. 23.
- Graham, Maxim L., Indianapolis, Ind., assignor to Radio Corporation of America. Loud-speaker. 2,392,143; Jan. 1.
- Graham, Paul S., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Terminal block. 2,397,102; Mar. 26.
- Graham, Pearl L., administratrix: *See*—
Graham, Bert.
- Graham, Robert E., Bronx, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic following system. 2,403,975; July 16.
- Graham Transmissions, Inc., assignee: *See*—
Jones, Lloyd E.

- Graham, William R., Jr., Kansas City, G. O. Kohler, Mission, Kans., and R. D. Hoover, assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Separating chlorophyll from vitamins and other fat soluble materials. 2,408,625; Oct. 1.
- Graham, William S., Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,403,360; July 2.
- Grams, Raymond M., Deerbrook, Wis. Pneumatic fly sprayer. 2,397,855; Apr. 2.
- Grams, William R.: *See*—
Johnson, Ralph F., and Grams.
- Granberg, Albert J., Emeryville, Calif. Bulk plant receiving recorder. 2,393,464; Jan. 22.
- Granberg, Albert J., Emeryville, Calif. Water separator. 2,401,067; May 28.
- Granberg, Albert J., Oakland, Calif. Fluid metering apparatus. 2,411,281; Nov. 19.
- Grand-Jean, Frederick R., University City, assignor to Sel-Mor Garment Co. Inc., St. Louis, Mo. Device for selection of articles of wearing apparel. 2,406,495; Aug. 27.
- Grandmont, Paul E., East Orange, and L. C. Werner, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radiator. 2,413,179; Dec. 24.
- Grand Rapids Hardware Company, assignee: *See*—
Vielheuer, August.
- Grandstad, Otho J., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Surge suppressor circuit. 2,395,116; Feb. 19.
- Grange, Raymond A., Jersey City, N. J., assignor to United States Steel Corporation of Delaware. Treating boron-containing steel. 2,400,302; May 14.
- Granger, Paul H., Los Angeles, Calif. Oil well device. 2,402,886; June 25.
- Granger, Paul H., Los Angeles, Calif. Oil well tool. 2,404,876; July 30.
- Granqvist, Carl-Erik: *See*—
Alexandersson, Harold V., and Granqvist.
- Grant, Albert E., Kansas City, Mo. Ice crusher. 2,398,932; Apr. 23.
- Grant, Albert E., Kansas City, Mo. Ice crusher. 2,398,933; Apr. 23.
- Grant, Albert E., assignor to J. C. Hockery and F. L. and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Juice extractor. 2,394,763; Feb. 12.
- Grant, Charles H., assignee, et al.: *See*—
Lawler, Frank P.
- Grant, Gordon A., Montreal, and C. von Seemann, Westmount, Quebec, Canada. Hormone derivative. 2,392,660; Jan. 8.
- Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Explosive cartridge. 2,393,629; Jan. 29.
- Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Gun charger. 2,409,623; Oct. 22.
- Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Free-wheeling clutch. 2,410,818; Nov. 12.
- Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid medium storing and dispensing system. 2,412,613; Dec. 17.
- Grant, Harry C., Jr., New York, N. Y., and W. M. Haessler, Jersey City, assignors to Specialties Development Corporation, Bloomfield, N. J. Delayed action release device. 2,393,985; Feb. 6.
- Grant, Harry C., Jr., New York, N. Y., and W. A. V. Thomsen, Glen Ridge, assignors to Specialties Development Corporation, Bloomfield, N. J. Fluid pressure control device. 2,404,790; July 30.
- Grant, John: *See*—
Underwood, Benjamin F.
- Grant Posittype Corporation, assignee: *See*—
Bogia, Frank D.
- Grant, Samuel, assignor to Products Development, Inc., Chicago, Ill. Curling rod for cold permanent waving of hair. 2,395,965; Mar. 5.
- Grant, Samuel, assignor to Products Development, Inc., Chicago, Ill. Curling rod for permanent cold waving of hair. 2,396,782; Mar. 19.
- Grant, Stewart M.: *See*—
Brown, Hugh E., and Grant.
- Granular Foods, Inc. assignee: *See*—
Heyman, Wilbert A.
- Granville, Bernard, Los Angeles, Calif. Apparatus for extracting water from atmospheric air. 2,409,624; Oct. 22.
- Graphic Microfilm Service, Inc., assignee: *See*—
Place, Robert.
- Grasoph Building Corp., assignee: *See*—
Ferrante, Gaspare.
- Grass, Henry C., Dinuba, Calif. Automatic sprayer. 2,411,964; Dec. 3.
- Graton & Knight Company, assignee: *See*—
Carter, Latt J.
- Graumann, Raymond L., Alexandria, Va. Bomb fuse. 2,409,205; Oct. 15.
- Graver, Philip S., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Counterbalanced expansion roof. 2,411,262; Nov. 19.
- Graver Tank & Mfg. Co., Inc., assignee: *See*—
Felsecker, John J.
Graver, Philip S.
Parker, Henry C., and Prager.
Prager, Frank D.
Seddig, Robert E.
- Graves, Arnold, Surbiton, and G. A. R. Tomes, West Wickham; said Tomes assignor to Altolto, Limited, Brentford, England. Thermocouple. 2,413,618; Dec. 31.
- Graves, Herbert C., Jr., West Chester, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker mounting and connecting stud. 2,412,259; Dec. 10.
- Graves, John A.: *See*—
Burton, Edward F., and Graves.
- Graves, John R., Yonkers, assignor to The Standard Stoker Company, Incorporated, New York, N. Y. Grate bearer bar. 2,403,857; July 9.
- Graves, Will T., Jr., and T. E. Curtis, Birmingham, Ala. Fluid control device. 2,406,075; Aug. 20.
- Graves, William H., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Treating water jackets for engine cylinders. 2,397,481; Apr. 2.
- Graviner Manufacturing Company Limited, assignee: *See*—
Mihlsen, Anders.
- Gravunder, Henry C., Bellville, assignor of one-half to J. B. Huff, Jr., Harris County, Tex. Glider. 2,407,777; Sept. 17.
- Gray, Allen G., Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodeposition of zinc. 2,407,489; Sept. 10.
- Gray, Alvin E.: *See*—
Piatt, Donald R., and Gray.
- Gray, Alvin N.: *See*—
Cox, Thomas K., Gray, and Rayburn.
- Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Bottle machine. 2,391,963; Jan. 1.
- Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Glassworking apparatus. 2,398,525; Apr. 16.
- Gray, Earl E.: *See*—
Domville, Charles H., Jr., and Gray.
- Gray, Elmer E., Saugus, Mass. Envelope sealing machine. 2,394,302; Feb. 6.
- Gray, G. A., Company, The, assignee: *See*—
Walter, John M.
- Gray, George F.: *See*—
Pratt, Verneer E., and Gray.
- Gray, Harold F., Jr.: *See*—
Adelson, David E., Ruh, and Gray.
- Gray, John De W., assignee, et al.: *See*—
Gray, John De W., and Stone.
- Gray, John De W., and W. S. Stone, Chicago, Ill., assignors to John De Witt Gray and Lloyd L. Miller, Chicago, Ill., doing business as the Gray-Mills Co. Compressed air solvent circuit storage pump. 2,394,169; Feb. 6.
- Gray, Kenneth R.: *See*—
Schlosser, Paul H., Bennett, and Gray.
Schlosser, Paul H., and Gray.
- Gray, Landon R.: *See*—
Hufford, Lewis C., and Gray.
- Gray Manufacturing Company, The, assignee: *See*—
Clausen, Henry P.
Hazeltime, Alan.
Moore, Frank L.
- Gray-Mills Co.: *See*—
Gray, John De W., and Stone.
- Gray, Raymond K. and R. L., assignors to The Illinois Lock Company, Chicago, Ill. Padlock. 2,408,137; Sept. 24.
- Gray, Reid B., Dundalk, assignor to The Glenn L. Martin Company, Middle River, Md. Underground fuel storage system. 2,398,828; Apr. 23.
- Gray, Reid B., Dundalk, and J. C. De Weese, assignors to The Glenn L. Martin Company, Middle River, Md. Ship. 2,394,007; Feb. 12.
- Gray, Reid B., Dundalk, and J. C. De Weese, Parkville, assignors to The Glenn L. Martin Company, Baltimore, Md. Fluid tank. 2,406,679; Aug. 27.
- Gray, Robert E., Detroit, Mich. Taper hole gauge. 2,405,648; Aug. 13.
- Gray, Rollin L.: *See*—
Gray, Raymond K. and R. L.
- Gray, Thomas J., Milwaukee, Wis. Combination lock. 2,393,465; Jan. 22.
- Graybill, Joseph W., Midland, Tex., assignor to Standard Oil Development Company. Determining permeability of subsurface formations. 2,409,674; Oct. 22.
- Graybill, Howard W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,404,957; July 30.
- Grayson Heat Control, Ltd., assignee: *See*—
Caparone, Michael J.
Rice, Harold W.
- Grayson, John H., assignor to Lowell & Grayson, Monrovia, Calif. Cooking utensil and its heating means. 2,402,997; July 2.
- Graziano, Joseph, White Plains, N. Y. Fuel vaporizer. 2,411,204; Nov. 19.

- Graziano, Joseph S., Joliet, Ill. Dispensing package. 2,407,415; Sept. 10.
- Grazier, Doré W., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Work support. 2,402,324; June 18.
- Great American Industries, Inc., assignee: See—
- Conner, J. Buzel.
- Curtiss, William R.
- Great National Air Conditioning Company, assignee: See—
- McReynolds, Winn W.
- Grebe, Wallace B., and Grebe.
- Amott, Earl, and Grebe.
- Greeley, Leo O., assignor to General Sales Company of Cadillac, Cadillac, Mich. Cushioned cylinder head. 2,402,887; June 25.
- Green, Arthur: See—
- Wilkinson, Samuel, and Green.
- Green, Arthur, Coventry, England. Machine for producing screw threads. 2,403,075; July 2.
- Green, Arthur D.: See—
- Murphree, Eger V., Waterman, and Green.
- Green, Arthur D., Cranford, N. J., assignor to Standard Oil Development Company. Production of polymers. 2,401,754; June 11.
- Green, Arthur D., Cranford, N. J., assignor to Standard Oil Development Company. Chemical process. 2,403,276; July 2.
- Green, Arthur D., Cranford, N. C., Lane, Roselle, and E. T. Marshall, Cranford, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Production of high molecular weight isolefinic polymers. 2,399,672; May 7.
- Green and Berry Farm Equipment Co., assignee: See—
- Berry, Thomas H.
- Green, Charles A., Washington, D. C., and E. M. Selfert, Brooklyn Park, Md. Automatic hydraulic brake. 2,410,440; Nov. 5.
- Green, Christopher A., University City, Mo., assignor to Curtis-Wright Corporation. Device and system for pressure measurement. 2,398,372; Apr. 16.
- Green, Clarence J., assignor to Norton Company, Worcester, Mass. Grinding machine-table indexing mechanism. 2,393,049; Jan. 15.
- Green, Clarence J., Worcester, Mass., assignor to Norton Company. Cam grinding machine. 2,412,144; Dec. 3.
- Green, Donald W., trustee, assignee: See—
- McGill, Daniel F.
- Green, Elliot D., San Francisco, Calif. Walking iron. 2,401,068; May 28.
- Green, Ernest, Chelmsford, England, assignor to Radio Corporation of America. Feed-back control arrangement for cooled tuned circuits. 2,407,074; Sept. 3.
- Green, Frederick E., Toppenish, Wash. Bottle carrier. 2,394,239; Feb. 5.
- Green, George W. A., assignor to Lagonda Limited, Staines, Middlesex, England. Fuel injector for internal-combustion engines. 2,395,810; Mar. 5.
- Green, Harry B., Denver, Colo. Auxiliary window sash. 2,402,247; June 18.
- Green, Howard D., Pasadena, Calif., and P. R. Hendrixson, Moundsville, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of hydrocyanic acid. 2,409,429; Oct. 15.
- Green, Howard D., Pasadena, and D. S. Taylor, Monrovia, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl cyanide. 2,413,496; Dec. 31.
- Green, Irving R.: See—
- Gaylor, Ruth K., and Green.
- Green, John R., Mount Lebanon, and J. P. Vollrath, Glenside, assignors to The Brown Instrument Company, Philadelphia, Pa. Method and apparatus for controlling reduction furnaces. 2,395,385; Feb. 19.
- Green, Lee B., Lakewood, Ohio. Combined electric fan and heater. 2,391,964; Jan. 1.
- Green, Lee B., Lakewood, Ohio. Fluid distributing system. 2,402,280; June 18.
- Green, Lee B., Lakewood, Ohio. Extrusion molding. 2,402,281; June 18.
- Green, Lee B., Lakewood, Ohio. Protecting origination matter. 2,408,626; Oct. 1.
- Green, Lee B., Lakewood, Ohio. Apparatus for extruding. 2,408,627; Oct. 1.
- Green, Lee B., Lakewood, Ohio. Rail fastening. 2,408,628; Oct. 1.
- Green, Lee B., Lakewood, Ohio. Molding apparatus and method. 2,408,629; Oct. 1.
- Green, Lee B., Lakewood, Ohio. Apparatus for molding plastic material. 2,408,630; Oct. 1.
- Green, Lee B., Lakewood, Ohio. Flush tank control. 2,412,452; Dec. 10.
- Green, Maurice W., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Transmission. 2,412,531; Dec. 10.
- Green, Minetta G., Warrenville, Ill. Hat. 2,396,503; Mar. 12.
- Green, Norval H., Wood-Ridge, and W. P. Rupp, East Orange, N. J., assignors to Radio Corporation of America. Electron discharge device. 2,411,205; Nov. 19.
- Green, Samuel G., Gray, Ga. Gun feed mechanism. 2,405,207; Aug. 6.
- Green, Samuel G., Alexandria, Va., and W. H. D'Ardenne, Jenkintown Manor, W. J. Meinel, Huntingdon Valley, and W. De Vore, Horsham Township, Montgomery County, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Control mechanism. 2,404,958; July 30.
- Green, Samuel T., Brooklyn, assignor to Picker X-Ray Corporation, New York, N. Y. Protective apron. 2,404,225; July 16.
- Green, Stanley S., assignor to Duncan Electric Manufacturing Company, Lafayette, Ind. Stabilization of meter damping units. 2,401,730; June 11.
- Green, Vernon L.: See—
- Nystrom, Karl F., and Green.
- Greenberg, Henry, New York, and J. J. O'Connell, Jamaica, N. Y., assignors to Norwalk Lock Company, South Norwalk, Conn. Knockdown toy. 2,410,874; Nov. 12.
- Greenberg, Herman, New York, N. Y. Foldable garment hanger. 2,404,959; July 30.
- Greenburg, Richard B., Melrose Park, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of para-xylene. 2,398,320; Apr. 16.
- Greenburg, Richard B., Melrose Park, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of xylenes. 2,405,300; Aug. 6.
- Greene, Edgeworth, Montclair, assignor to Inter-Seal Corporation, Spring Lake, N. J. Bottle closure. 2,409,846; Oct. 22.
- Greene, Edmund, Narberth, and H. F. Pearson, Langhorne, assignor to Röhms & Haas Company, Philadelphia, Pa. Cutting tool. 2,401,420; June 4.
- Greene, Marcus: See—
- Silverman, Eli E., Greene, and Greenspan.
- Greene, Montague St. Louis, Mo., assignor to American Telephone and Telegraph Company. Teletypewriter secrecy system. 2,401,477; June 4.
- Greene, Oren W., R. W. Twitty, and T. L. Richie, assignors to Marion Manufacturing Company, Marion, N. C. Blending fibers. 2,412,506; Dec. 10.
- Greene, Raymond J., Schyring, Ohio. Radiant oven and broiler burner. 2,413,447; Dec. 31.
- Greene, Whitney E., Hollywood, Calif. Anchorage insert for screw-threaded fastenings. 2,400,348; May 14.
- Green-ec, Muzelle L. A., M. San Antonio, Tex. Cigarette light concealer. 2,405,506; Aug. 6.
- Greenfield, Eugene W., Hastings-on-Hudson, assignor to Anacorda Wire and Cable Company, New York, N. Y. Cable for production of magnetic fields. 2,393,466; Jan. 22.
- Greenfield, Max, Brooklyn, N. Y. Bow tie device. 2,408,631; Oct. 1.
- Greenleaf, Carroll J., Edmonds, Wash. Flow indicator for pipe lines. 2,409,430; Oct. 15.
- Greenleaf, Leland B., assignor to C. G. Conn, Ltd., Elkhart, Ind. Magazine for magnetic recording apparatus. 2,401,632; June 4.
- Greenleaf, Robert M., and J. L. Hunt, Grosse Pointe, Mich., assignors to M. C. Trust, F. H. Pendleton, trustee, Everett, Wash. Wheel attachment. 2,402,041; June 11.
- Greenlee Bros. & Co., assignee: See—
- Abramson, John H., and Swanson.
- Manfield, Judson H.
- Swanson, Edwin C., and Rudeen.
- Greenlee, Harry R., assignor to The Studebaker Corporation, South Bend, Ind. Fluid coupling. 2,392,040; Jan. 1.
- Greenlee, William E.: See—
- Heath, Samuel, and Greenlee
- Greenlees, Raymond C., Coventry, assignor to Courtaulds Limited, London, England. Dyeing of fibers possessing low water imbibition. 2,413,559; Dec. 31.
- Greensfelder, Bernard S., and A. Bailey Jr., assignors to Shell Development Company, San Francisco, Calif. Catalytic treatment of carbonaceous materials. 2,392,588; Jan. 8.
- Greensfelder, Bernard S., Oakland, and S. Z. Perry, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic cracking process. 2,398,739; Apr. 16.
- Greensfelder, Bernard S., Oakland, and W. H. Peterson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrogenation process. 2,402,493; June 18.
- Greenshields, Robert O.: See—
- Hight, Franklin R., Greenshields, and Mueller.
- Greenslade, Grover R., Scott Township, Allegheny County, assignor to Flannery Bolt Company, Bridgeville, Pa. Testing device. 2,399,018; Apr. 23.
- Greenslade, Grover R., Scott Township, Allegheny County, and F. K. Landraft, Crafton, assignors to Flannery Bolt Company, Bridgeville, Pa. Manufacture of hollow staybolts. 2,406,539; Aug. 27.
- Greenspan, Joseph: See—
- Weisberg, Samuel M., Stimpson, and Greenspan.
- Weisberg, Samuel M., Stimpson, Greenspan, and Othmer.

- Greenspan, Seymour: *See—*
Silverman, Eli E., Greene, and Greenspan.
- Greenwood, Henry B.: *See—*
Fitchett, Thomas S., Greenwood, and Shackelford.
- Greenwood, Robert P., Youngstown, Ohio, assignor to Pesco Products Co., Booster pump. 2,403,775; Oct. 8.
- Greenwood, Samuel G., Oshkosh, Wis. Toy. 2,401,866; June 11.
- Greer, Archibald: *See—*
Sands, William J., and Greer.
- Greer, Edward R., Wayzata, Minn. Apparatus for removing snow and the like. 2,404,287; July 16.
- Greer, John J., Cominicut, and A. Luongo, Wickford, R. I. Insulated wire stripping device. 2,407,233; Sept. 10.
- Greetham, Ernest, London, England, carrying out the heat-treatment of glass articles. 2,407,878; Sept. 17.
- Gref, William C., Westport, assignor, by mesne assignments, to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Fluorescent tube. Re. 2,172,712; Jan. 22.
- Greger, Herbert H., Washington, D. C. Preparing aluminum phosphates. 2,405,884; Aug. 13.
- Gregg, James K.: *See—*
Golden, Lucius D., and Gregg.
- Gregg, Jon, Flemington, N. J. Shoe sole. 2,405,498; Aug. 6.
- Gregg, Jon, New Hope, Pa. Fountain pen. 2,409,847; Oct. 22.
- Gregg, Jonas F., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Surface checking and comparing device. 2,407,490; Sept. 10.
- Gregor, Edmund L.: *See—*
Hagen, John A., Gregor, and Prendergast.
- Gregory, Alfred T., Massapequa, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cooling system. 2,393,899; Jan. 29.
- Gregory, Alfred T., Massapequa, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine valve control mechanism. 2,410,411; Nov. 5.
- Gregory, Arthur S.: *See—*
Ersberger, Maurice L., and Gregory.
- Gregory, Charles B., Los Angeles, Calif. Fishing pole holder. 2,399,435; Apr. 30.
- Gregory, Douglas W., Jackson Heights, N. Y., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Spark plug. 2,393,497; Jan. 22.
- Gregory, James: *See—*
Quilter, John R. C., and Gregory.
- Gregory, John B.: *See—*
Amley, Oliver B., and Gregory.
- Gregory, Kenneth J.: *See—*
Luth, Harold J., and Gregory.
- Greibach, Emil H., Brooklyn, N. Y. System for measuring differences of potential. 2,400,112; May 14.
- Greider, Harold W.: *See—*
Fasold, George A., and Greider.
- Greider, Harold W., and R. A. MacArthur, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, Manufacture of normal magnesium carbonate. 2,396,915; Mar. 19.
- Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company, Base for electric lamps or similar devices. 2,392,661; Jan. 8.
- Grene, George H. S., assignor of one-half to Wild-Barfield Electric Furnaces Limited, Watford, England. Metallurgical furnace. 2,412,145; Dec. 3.
- Grenko, John D., and L. R. Strawn, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Polymerization of hydrocarbons. 2,404,628; July 23.
- Grenzw, Harrison, Juda, Wis. Abrasive instrument. 2,396,418; Mar. 12.
- Gresham & Craven Limited, assignee: *See—*
Marsh, Gerald C.
- Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to F. G. Gerlich Company, New York, N. Y. Beta-halo acyl halides. 2,411,575; Dec. 3.
- Gresham, William F.: *See—*
Loder, Donald J., and Gresham.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polydioxolane. 2,394,910; Feb. 12.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of dihydroxalanes and related products. 2,405,948; Aug. 20.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyaminoacetal. 2,409,675; Oct. 22.
- Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of acrolein. 2,402,133; June 18.
- Gresham, William F., and C. E. Schweitzer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydantoin. 2,402,134; June 18.
- Gresham, William F., and W. M. Bruner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of indole. 2,409,676; Oct. 22.
- Gretcher, Hermann E., Camarillo, Calif. Fertilizer distributor. 2,405,824; Aug. 13.
- Gretler, Samuel I., and H. L. J. Haller, Washington, D. C., assignors to The United States of America as represented by the Secretary of Agriculture and his successors in office. Insecticide. 2,408,307; Sept. 24.
- Greulich, Gerald G., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Metal pontoon. 2,394,764; Feb. 12.
- Greulich, Gerald G., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Twin tube mine clearing snake. 2,409,848; Oct. 22.
- Grew, Dolphis G., Saginaw, Mich. Topper for beets and the like. 2,406,013; Aug. 20.
- Grey, David S., assignor to Polaroid Corporation, Cambridge, Mass. Optical system. 2,405,301; Aug. 6.
- Grey, David S., assignor to Polaroid Corporation, Cambridge, Mass. Optical system. 2,406,762; Sept. 3.
- Grey, Vernon H., Coventry, England. Bevel protractor. 2,409,849; Oct. 22.
- Grey, Victor, assignor to Teletype Corporation, Chicago, Ill. Collet stop anchor. 2,396,504; Mar. 12.
- Gribbins, Myers F., and F. W. Miller, Jr., Wilmington, Del., and D. K. O'Leary, Kennett Square, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Food antioxidants. 2,397,960; Apr. 9.
- Gribble, Virgil, Wilmar, Calif. Bin loading apparatus. 2,401,632; June 4.
- Gribner, John, Banks, Ore. Fern packing machine. 2,393,102; Jan. 15.
- Grieb, Benjamin C., Chestnut Hill, assignor to Air-Shields, Incorporated, Bucks County, Pa. Coupling device. 2,397,735; Apr. 2.
- Grieb, Daniel A.: *See—*
Ernst, Hans, Grieb, and Field.
- Grief Bros. Cooperaage Corporation, assignee: *See—*
Gaylord, Paul C.
- Grieg, Donald D.: *See—*
Labin, Emilie, and Grieg.
- Grieg, Donald D., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Stable pulse generator. 2,408,061; Sept. 24.
- Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Signal translator. 2,408,062; Sept. 24.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multiplex receiver. 2,408,063; Sept. 24.
- Grierson, Andrew: *See—*
Hanson, Ernest H., Grierson, and Le Boeuf.
- Gries, Otto, New Rochelle, N. Y., assignor to Gries Reproductor Corporation, Buckle and producing the same. 2,407,491; Sept. 10.
- Gries Reproductor Corporation, assignee: *See—*
Gries, Otto.
- Griesbeck, Hans, Cologne, Rhine, Germany; vested in the Allied Chemical Corporation. Manufacture and bottling of carbonated milk beverages. 2,394,303; Feb. 5.
- Griesheimer, Rudolph N., Chillicothe, assignor, by mesne assignments, to K-C-M Company, Dayton, Ohio. Viscosimeter. 2,392,662; Jan. 8.
- Griesinger, John W., Dayton, Ohio. Astern attack tow target. 2,402,156; June 18.
- Griesinger, William K., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Purification of oil-soluble sulphates. 2,406,763; Sept. 3.
- Griesinger, William K., Drexel Hill, and E. H. Engelking, Upper Darby, assignors to The Atlantic Refining Company, Philadelphia, Pa. Oil solutions of basic alkaline earth metal sulphates and making same. 2,402,325; June 18.
- Griff, Robert D.: *See—*
Wolz, Claude W., and Griff.
- Griff, Robert D., and R. D. Isard, assignor to Deere & Company, Moline, Ill. Beet loader. 2,404,629; July 23.
- Griffin, Ira L., and C. F. Morris, Charlotte, N. C. Poisoning composition and method. 2,394,683; Feb. 12.
- Griffin, Ira L., D. E. Truax, and N. H. Nuttall, Charlotte, N. C., assignors to Stein, Hall & Company, Inc., New York, N. Y. Textile printing. 2,401,765; June 11.
- Griffin, Ira L., D. E. Truax, and N. H. Nuttall, Charlotte, N. C., assignors to Stein, Hall & Company, Inc., New York, N. Y. Film forming emulsions. 2,413,320; Dec. 31.
- Griffin, John R., Jr., Kansas City, Kans., and P. R. Van Ess, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Compounded lubricating oil. 2,410,652; Nov. 5.
- Griffin, Joseph F., Hammond, Ind., and E. Rawson, Chicago, Ill., assignors to The Superheater Company, New York, N. Y. Suction strainer provided with a sediment chamber. 2,412,043; Dec. 3.
- Griffin, Percy M., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Angle drive mechanism. 2,401,240; May 28.
- Griffin, Roger L., Marblehead, assignor to A. C. Lawrence Company, Peabody, Mass. Spraying machine. 2,397,482; Apr. 2.

- Griffin, Roger L., Marblehead, and N. Y. Moore, Danvers, assignors to A. C. Lawrence Leather Company, Peabody, Mass. Fur combing and ironing machine. 2,405,032; July 30.
- Griffin, Theodore R., Belmont, assignor to United Carr Fastener Corporation, Cambridge, Mass. Laundryproof fastener. 2,393,219; Jan. 15.
- Griffin, Theodore R., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lock nut. 2,407,830; Sept. 17.
- Griffin, William C., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Sugar derivatives. 2,407,001; Sept. 3.
- Griffin, William C., Newport, assignor to Atlas Powder Company, Wilmington, Del. Glycerol glucosides and derivatives thereof. 2,407,002; Sept. 3.
- Griffin, William C., Newport, assignor to Atlas Powder Company, Wilmington, Del. Emulsifying agents produced from glycol glucosides and their production. 2,407,003; Sept. 3.
- Grieth, Alan A., assignor to Rolls-Royce Limited, Derby, England. Bearing. 2,403,176; July 2.
- Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Fluid-solid contact surface. 2,408,632; Oct. 1.
- Griffith, Alan A., Derby, England, assignor to Rolls-Royce Limited. Internal-combustion turbine. 2,413,225; Dec. 24.
- Griffith, Albert R., Bridgeton, N. J. Post setting apparatus. 2,402,393; June 18.
- Griffith, Arthur H.; See—
- Easton, Robert R. and Griffith.
- Griffith, Bain, assignor to General Motors Corporation, Detroit, Mich. Drive axle. 2,408,926; Oct. 8.
- Griffith, Dinsmore L., and L. G. Hendrickson, Flin Flon, assignors to Hudson Bay Mining and Smelting Company Limited, Winnipeg, Manitoba, Canada. Purifying electrolytes. 2,396,569; Mar. 12.
- Griffith, Dinsmore L., and L. G. Hendrickson, Flin Flon, Manitoba, assignors to Hudson Bay Mining and Smelting Company, Limited, Winnipeg, Manitoba, Canada. Composition for purifying electrolytes. 2,405,302; Aug. 6.
- Griffith, Raymond C., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,395,811; Mar. 5.
- Griffith, Raymond E., Bryn Mawr, assignor to E. J. Lavine and Company, Philadelphia, Pa. Refractories. 2,394,304; Feb. 6.
- Griffith, Richard; See—
- Price, Donald, and Griffith.
- Griffith, Thomas R., and J. L. Rhr, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Prevention and removal of ice or frost on aircraft parts. 2,406,367; Aug. 27.
- Griffith, William B., Stone Harbor, N. J. Vent valve for thermostatic devices. 2,392,087; Jan. 1.
- Griffith, William B., Audubon, N. J., assignor to Fire Devices, Inc. Thermat. 2,413,140; Dec. 24.
- Griffiths, Francis T., Gravesend, assignor to W. T. Henley's Telegraph Works Company Limited, Dorking, England. Extrusion machine. 2,404,630; July 23.
- Griffiths, George A.; See—
- Volty, Maurice, and Griffiths.
- Griffiths, Ronald E.; See—
- Fenner, James M., Griffiths, and Harris.
- Grigsby, Harold W., Surbiton, England. Lift. 2,395,735; Feb. 26.
- Grilli, John P.; See—
- Mohr, Albert, Jr., and Grilli.
- Grilli, John P., assignee, et al.; See—
- Wetherbee, Harry L.
- Grimes, Harry C., Elkins, W. Va. Apparatus for smoothing and drying carpets. 2,403,655; July 9.
- Grimes, Warren G., Urbana, Ohio. Instrument light. 2,401,867; June 11.
- Grimes, William F., assignor to The National Cash Register Company, Dayton, Ohio. Hot riveter. 2,405,033; July 30.
- Grimm, Edward M., assignee, et al.; See—
- Brizay, Emile A.
- Grimm, Walter, Zurich-Oerlikon, assignor to L. H. Kapp & Co., Zurich, Switzerland. Liquid level switch. 2,405,140; Aug. 6.
- Grimmel, Harry W., Easton, and A. Guenther, Riegelsville, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Water insoluble azo dyestuffs containing an *m*-morpholino-arylide group. 2,408,421; Oct. 1.
- Grimmer, Elmer J.; See—
- Fielder, Frederick D., and Grimmer.
- Grimminger, George, Washington, D. C. Automatic stabilizer. 2,411,156; Nov. 19.
- Grimshaw, Charles S., Scotia, N. Y., assignor to General Electric Company. Optical sighting apparatus. 2,406,828; Sept. 3.
- Grimshaw, Charles S., Scotia, N. Y., assignor to General Electric Company. Gyroscope. 2,412,453; Dec. 10.
- Grimshaw, Hugh M., Glen Ridge, N. J., assignor to Publication Corporation, New York, N. Y. Applying glue. 2,406,287; Aug. 20.
- Grindall, William H.; See—
- Miller, Robert N., and Grindall.
- Grinnell Corporation, assignee; See—
- Donkersley, Albert B., and Welshman.
- Grinnell, Willis H., Newton Center, Mass. Machine for grinding orthodontic models. 2,413,619; Dec. 31.
- Grinstead, Carl E.; See—
- Martin, Edward J., and Grinstead.
- Martin, Edward J., Grinstead, and Frawley.
- Grinter, Hershel W., Cuyahoga Falls, and M. E. Gross, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Adhering rubber to metals. 2,399,019; Apr. 23.
- Grip, Erik; See—
- Carlström, Bengt, Grip, and Toorell.
- Grip Nut Company, assignee; See—
- Abbott, Gail C.
- Grisanti, Amedeo D., Mount Vernon, N. Y. Trouser waist grip. 2,413,180; Dec. 24.
- Griscom-Russell Company, The, assignee; See—
- Frueger, Ernest.
- Clapper, Ray L.
- Ryder, Anthony J.
- Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fluid pressure motor. 2,404,949; Aug. 20.
- Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Grease pump. 2,413,044; Dec. 24.
- Grisham, Walter E.; See—
- Talley, Claude A., and Grisham.
- Griswold, Donald G., Alhambra, Calif. Pilot controlled pressure regulating means. 2,410,876; Nov. 12.
- Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Automatic vacuum breaker. 2,401,911; Feb. 12.
- Griswold, Gale, and C. H. Cannon, Jr., Columbus, Ohio, assignors to Curtiss-Wright Corporation. Force and motion transmitting mechanism. 2,406,073; Aug. 20.
- Griswold, Owen H., Trenton, N. J., assignor to Kaiser Cargo, Inc., Bristol, Pa. Constant volume connection for fluid conduits. 2,402,157; June 18.
- Griswold, Roger W., II; See—
- Ludington, Charles T., and Griswold.
- Griswold, William A., Cleveland, Tenn. Heating stove. 2,394,441; Feb. 6.
- Grob, Adolf; See—
- Martin, Henry, Häfsliger, Gätzl, and Grob.
- Grobholz, Frank, Astoria, N. Y. Frame for miniature pictures. 2,401,241; May 28.
- Grobstein, Albert, Washington, D. C. Incendiary with high penetrating power. 2,403,656; July 9.
- Grocoff, William, San Francisco, Calif. Pipe scraper. 2,400,196; May 14.
- Grodin, Jacob W., Shaker Heights, Ohio. Packaging device. 2,400,197; May 14.
- Groedel, Franz M., New York, N. Y. Combined paste tube holder and closure. 2,393,103; Jan. 15.
- Groen, Martinus G., Hoogezaand, Netherlands; vested in the Alien Property Custodian. Producing starch esters. 2,412,213; Dec. 10.
- Groene, William F., and A. W. Aufderhar, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Multiple spindle center drive lathe. 2,396,783; Mar. 19.
- Groene, William F., and A. W. Aufderhar, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Multiple spindle center drive lathe feed mechanism. 2,396,784; Mar. 19.
- Groene, William F., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Taper turning apparatus. 2,407,778; Sept. 17.
- Groene, William F., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Automatic lathe. 2,410,026; Oct. 29.
- Groff, Francis, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation. Stabilization of polyvinyl acetal resins. 2,392,041; Jan. 1.
- Groncy, Carl W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Spreading apparatus. 2,393,502; Feb. 22.
- Gronemeyer, Erich, Pompton Plains, assignor to Mack Molding Company, Incorporated, Wayne, N. J. Molding die and removing molded articles therefrom. 2,404,631; July 23.
- Gronemeyer, Erich, Pompton Plains, and S. Cherba, Totowa, N. J. Holding plastic hollow bodies. 2,410,936; Nov. 12.
- Groom, Roy L., and R. E. Parrish, Sr., Jackson, Tenn. Live minnow and small fish receptacle. 2,403,858; July 9.
- Grooms, Albert O.; See—
- Pearce, George C., and Grooms.
- Groot, Robert W., Fort Wayne, Ind., assignor to General Electric Company. Brush rigging. 2,413,560; Dec. 31.
- Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Operating the electronic chronographs. 2,403,918; July 16.
- Gross, Alfred G., Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,401,300; June 4.

- Gross, Alfred G., Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,410,342; Oct. 29.
- Gross, Bernard, and L. W. Cornwall, San Diego, assignors to Rohr Aircraft Corporation, Chula Vista, Calif. Sealing device. 2,396,005; Mar. 5.
- Gross, Bernard, and L. W. Cornwall, San Diego, assignors to Rohr Aircraft Corporation, Chula Vista, Calif. Spotweld horn and electrode assembly. 2,399,797; May 7.
- Gross, Bernard, and L. W. Cornwall, San Diego, assignors to Rohr Aircraft Corporation, Chula Vista, Calif. Spotweld edge gauge. 2,408,847; Oct. 8.
- Gross, Frederick B.: *See*—
- Maxson, Lisle J., and Gross.
- Gross, George C.: *See*—
- Degering, E. F., and Gross.
- Gross, Howard H.: *See*—
- Attwell, Harold V., and Gross.
- Gross, Malcolm E.: *See*—
- Grinter, Hershel W., and Gross.
- Gross, Malcolm E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adhesive composition and method of making same. 2,394,375; Feb. 5.
- Gross, Paul M., Marlene Hobbs, and C. K. Bradsher, Durham, N. C. Dielectric fluids. 2,394,442; Feb. 5.
- Gross, Peter F.: *See*—
- Palmer, Fred S., and Gross.
- Gross, Stefan, assignee, et al.: *See*—
- Miller, Irving B.
- Gross, William E. Joppa, Md. Gas mask canister. 2,406,368; Aug. 27.
- Grosse, Aristid V., Bronxville, N. Y., and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,392,915; Jan. 15.
- Grosse, Aristid V., Bronxville, N. Y., and H. Pines, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of normally liquid paraffins. 2,393,104; Jan. 15.
- Grosse, Aristid V., Bronxville, N. Y., and W. J. Mattox, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,394,170; Feb. 5.
- Grosse, Aristid V., Bronxville, N. Y., and C. B. Linn, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of paraffin hydrocarbons. 2,411,992; Dec. 3.
- Grosse, Aristid V., Haverford, Pa., and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of paraffin hydrocarbons. 2,396,844; Mar. 19.
- Grosser, Christian E., Winchester, Mass., assignor to Standard Machinery Company, Cranston, R. I. Pump or motor unit. 2,397,314; Mar. 26.
- Grossman, Franklin A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,393,630; Jan. 29.
- Grossman, Franklin A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,399,922; May 7.
- Grossman, Lee, Los Angeles, Calif. Changeable exhibitor. 2,401,478; June 4.
- Grossman Music Co., assignee: *See*—
- Brockman, Morton S.
- Grossmann, Paul, Binningen, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Aminoanthraquinone derivatives. 2,392,663; Jan. 8.
- Grottenhouse, James T., Orange City, Iowa. Oil burner. 2,409,677; Oct. 22.
- Grothey, Ivan W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Machine and method of relieving trapping strain on yarns. 2,398,785; Apr. 23.
- Grothey, Ivan W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,411,422; Nov. 19.
- Grothues, Carl C., Park Ridge, Ill. Rolling machine. 2,395,324; Feb. 19.
- Grotnes, Carl C., Park Ridge, Ill. Metal working machine. 2,398,373; Apr. 16.
- Grouse, Richard A., and J. Rogers, assignors to A. H. Hunt Limited, London, S. W. 18, England. Manufacture of electrical condensers. 2,399,783; May 7.
- Grove, Edwin W., III, Ladue, Mo. Perambulator. 2,407,779; Sept. 17.
- Groven, Thor, and D. R. Buxton, Las Vegas, Nev. Testing device. 2,396,172; Mar. 5.
- Grover, Atwood H., Rockaway, N. J. Detonator loading press. 2,395,046; Feb. 13.
- Grover, Frank S.: *See*—
- Liska, John W., and Grover.
- Groves, Martin V., assignee, et al.: *See*—
- Hall-Ryder, Arthur T.
- Growthall, Henry K., Port Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, Aircraft. 2,403,595; July 9.
- Grubb, Henry M., and E. B. Tucker, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Preparation of organic sulfonates and sulfonyl chlorides. 2,412,679; Dec. 17.
- Grubbs, David S., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Aligning bar. 2,411,621; Nov. 26.
- Gruber, Oscar, Minneapolis, Minn. Watchcase. 2,398,423; Apr. 16.
- Grubman, Harold L., assignee: *See*—
- Nichols, Bertie.
- Gruen, Henry, New York, N. Y. Bathtub. 2,396,845; Mar. 19.
- Gruenberg, Ivor J., Pleasant Ridge, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Machine for grinding helical gears and other conjugate helicoidal members. 2,401,561; June 4.
- Gruenberg, Ivor J., Pleasant Ridge, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Trimming mechanism for formed rotary grinders. 2,401,562; June 4.
- Gruenberg, Ivor J., Pleasant Ridge, and S. G. Brady, Royal Oak, assignors to The Gear Grinding Machine Company, Hamtramck, Mich. Gear grinding machine. 2,392,819; Jan. 15.
- Grundmann, Gustav L., Westmont, N. J., assignor to Radio Corporation of America. Deflecting coils and yoke and manufacturing same. 2,395,736; Feb. 26.
- Grundman, William P., St. Louis, assignor of one-fourth to O. R. Burkhardt, Webster Groves, one-fourth to W. H. Burkhardt, and one-fourth to H. W. Hagnauer, Ladue, Mo. Ice-making machine. 2,397,347; Mar. 26.
- Grunow, Alfred, Nutley, N. J. Die set. 2,405,825; Aug. 13.
- Grunspan, Adolf, Wimbledon, S. W. 19, London, England, now by judicial change of name A. F. Garvin. Process and apparatus for obtaining a synthetic ivory colored cerasin. 2,398,424; Apr. 16.
- Grunwell, Alfred M., Washington, D. C. Gas mask cartridge pocket attachment for firemen's coats. 2,409,354; Oct. 15.
- Grupe, William F., Lyndhurst, N. J., assignor to Interchemical Corporation, New York, N. Y. Tin plate manufacture. 2,394,545; Feb. 12.
- Grupe, William F., Lyndhurst, N. J., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Method and apparatus for applying thermoplastic material to sheets or webs. 2,396,946; Mar. 19.
- Grupe, William F., Lyndhurst, N. J., assignor to Brazill Babassu Corporation, New York, N. Y. Apparatus for cracking nuts. 2,405,303; Aug. 6.
- Grupele, Logan D., East Orange, assignor to National Oil Products Company, Harrison, N. J. Molding ceramic material. 2,400,001; May 7.
- Gross, George A., Bridgeport, Conn., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,392,915; Jan. 15.
- Gruver, Paul I., Minneapolis, Minn. Telescope sight mount for firearms. 2,401,825; June 11.
- Grylewicz, Frank S., Cleoro, and J. C. Hannon, and D. V. Witsaman, Chicago, Ill. Work holder. 2,394,376; Feb. 5.
- Guanello, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Secret signaling. 2,405,500; Aug. 6.
- Guanello, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Electrical signaling method. 2,411,206; Nov. 19.
- Guanello, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Method and arrangement for scrambling speech signals. 2,411,683; Nov. 26.
- Guanello, Gustav, Zurich, Switzerland, assignor, by mesne assignments, to Patents Research Corporation, New York, N. Y. Direction finding system. 2,413,620; Dec. 31.
- Guaranty Plastic Caps Limited, assignee: *See*—
- Weber, Henryk.
- Guardian Electric Manufacturing Co., assignee: *See*—
- Nelsen, Marvin G.
- Gubarsky, Theodore.
- Guarte Corporation, Inc., assignee: *See*—
- Schaffner, Robert M.
- Guareschi, Pietro, Genoa, Italy; vested in the Allen Property Custodian. Purifying manganese in metal state. 2,396,570; Mar. 12.
- Gubala, Frank: *See*—
- Kazamias, Michael, and Gubala.
- Gubelmann, Ivan, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sugar amine compounds. 2,396,087; Mar. 5.
- Gubelmann, William S., Convent, N. J. Cash register. 2,404,170; Jan. 16.
- Gubin, Samuel, Erlton, N. J., assignor to Radio Corporation of America. Ultra high frequency coupling device. 2,397,787; Apr. 2.
- Gubla, Samuel, Merchantville, N. J., assignor to Radio Corporation of America. Ultra high frequency coupling device. 2,401,634; June 4.
- Gudgeon, Herbert, and R. Hill, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Polymers of 1-carbalkoxybutadienes-1,3 and making same. 2,395,812; Mar. 6.
- Gudmundson, John E., Brakpan, Transvaal, Union of South Africa. Level or like surveying instrument. 2,407,416; Sept. 10.
- Guellich, Gustav E.: *See*—
- Gradisar, Albin A., and Guellich.
- Guellich, Gustav E., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Making optical devices. 2,399,799; May 7.

- Guenther, Alfred: *See*—
Grimmel, Harry W., and Guenther.
- Guenther, Alfred, Riegelsville, Pa., and J. F. Morgan, Hillisburg, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y. Production of substituted quinoxalones from organic phosphazo compounds. 2,408,633; Oct. 1.
- Guenther, John R., Appleton, Wis. Gauging and controlling mechanism. 2,399,113; Apr. 23.
- Guerasimoff, Constantine N., assignor to The Buda Company, Harvey, Ill. Diesel engine and operating same. 2,408,394; Oct. 1.
- Guerin, Paul R., East Cleveland, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,399,632; May 7.
- Guerin, Paul R., and H. Musgrave, East Cleveland, assignors to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,411,263; Nov. 19.
- Guerra, Ralph M., Verona, N. J., assignor to Curtiss-Wright Corporation. Dual rotation propeller system. 2,406,460; Aug. 27.
- Guernsey, James E.: *See*—
Baratelli, Charles A., Cochran, Dockum, and Guernsey.
- Guerra, Anthony, Hackensack, N. J. Auto dash oil detector. 2,402,394; June 18.
- Guerin, Charles E., assignor to American Bosch Corporation, Springfield, Mass. Bearing for dynamos. 2,393,909; Jan. 29.
- Guerin, Clifford D.: *See*—
Foote, Chauncey P., Jr., and Guertin.
- Guerin, Louis C., Worcester, Mass. Safety razor. 2,402,747; June 25.
- Guest, Howard L.: *See*—
Salle, Anthony J., and Guest.
- Guest, Keen & Nettelfolds, Limited, assignee: *See*—
Whitcombe, Christopher J.
- Gugenheim, Daniel and Florence Foundation, The, assignee: *See*—
Goddard, Robert H.
- Guiberson Corporation, The, assignee: *See*—
Hooser, Donald B.
Prager, Albert.
Taylor, Raymond G., Jr., and Hooser.
- Guibert, Francis W., Beverly Hills, and F. B. Fuller, Whittier, Calif.; said Fuller assignor to said Guibert. Fluid pressure device. 2,407,698; Sept. 17.
- Guignon, Emile S., Jr., Kansas City, Mo. Plural-unit portable building. 2,394,443; Feb. 5.
- Guignon, Emile S., Jr., Kansas City, Mo. Sectional building. 2,407,004; Sept. 3.
- Guild, Lloyd V.: *See*—
Burrell, Guy H., and Guild.
- Guildford, Joseph R., Niagara Falls, Ontario, Canada. Boiler water line indicating device. 2,393,365; Jan. 22.
- Guildford, Joseph R., Buffalo, N. Y. Nonslip joint splitting union device. 2,410,027; Oct. 29.
- Guillemin, Victor, Jr., Dayton, Ohio. Automatic graph drawing recorder. 2,406,764; Sept. 3.
- Guinee, Edward J., Roselle, assignor to The H. A. Wilson Company, Newark, N. J. Silver cladding. 2,392,917; Jan. 15.
- Guinn, Charles R., Konawa, Okla. Automatic engine cut-off. 2,400,303; May 14.
- Guinn, Garvin G., Los Angeles, Calif. Traction appliance for wheels. 2,394,995; Feb. 19.
- Guinot, Henri M., Mott, France; vested in the Allen Property Custodian. Dehydration of acetic acid by azeotropic distillation. 2,412,215; Dec. 10.
- Gulas, John, Sr., Hollidays Cove, W. Va. Venetian blind and adjustable self-locking detachable fastener for cord ends. 2,400,198; May 14.
- Gulden, Kenneth C., Gladstone, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrading and polish implement. 2,403,434; July 9.
- Gulf Oil Corporation, assignee: *See*—
Butcher, Alfred.
- Hunter, Benjamin F., and Hobart.
Pelletiere, Joseph A.
Slecke, Paul.
Smith, Herschel G., and Cantrell.
Smith, Herchel G., Cantrell, and Peters.
- Gulf Publishing Company, assignee: *See*—
Wanson, Horace C., and Bennett.
- Gulf Research & Development Company, assignee: *See*—
Berg, Lloyd, Sumner, and Montgomery.
Butcher, William S., and Weinrich.
Butcher, Edward R.
Kennedy, Harvey T.
Kennedy, Harvey T., and Cassett.
Montgomery, Charles W.
Muffy, Gary.
Rocchini, Albert G.
Vacquier, Victor V.
- Gullberg, Arthur G., Rocky River, Ohio. Retainer device for demountable punches, dies, and the like. 2,393,986; Feb. 5.
- Gumilar, Joseph, Chicago, Ill. Measuring dispenser. 2,401,684; June 4.
- Gumley, Robert H., Whitestone, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor-control circuit. 2,395,477; Feb. 26.
- Gump, B. F., Co., assignee: *See*—
Williams, Ralph E., and Nowak.
- Gumper, Clarence, West Haven, assignor to The Bridgeport Safety Emery Wheel Company, Inc., Stratford, Conn. Grinding. 2,396,505; Mar. 12.
- Gundelfinger, Constance D., administratrix: *See*—
Gundelfinger, Walter J.
- Gundelfinger, Walter J., deceased, West Roxbury, Mass.; D. Gundelfinger, administratrix. Method and apparatus for manufacture of continuous filament and like structures. 2,411,774; Nov. 26.
- Gundersen, Daniel T.: *See*—
Ziebolz, Herbert, McCracken, and Gundersen.
- Gundersen, Lewis O., Park Ridge, assignor to Dearborn Corporation, Chicago, Ill. Conditioning boiler water. 2,391,895; Jan. 1.
- Gundersen, Ralph R., Chicago, Ill. Hose coupling. 2,393,679; Jan. 29.
- Gunderson, Ralph R., Chicago, Ill. Power brake mechanism. 2,406,328; Aug. 27.
- Gunderson, Ralph R., Chicago, Ill. Fluid pressure producing device. 2,408,513; Oct. 1.
- Gunn, Earl G., Providence, R. I., assignor to Fram Corporation. Liquid filter installation. 2,411,539; Nov. 26.
- Gunn, Robert D., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of gas. 2,409,558; Oct. 15.
- Gunness, Robert C.: *See*—
Bouchard, Frederick J., Gunness, and Stern.
- Gunness, Robert C., Chicago, Ill., and J. W. Jewell, Summit, N. J., assignors of one-half to Standard Oil Company and one-half to The M. W. Kellogg Company. Catalytic cracking system. 2,410,284; Oct. 29.
- Gunst, Raymond: *See*—
Gyr, Josef, and Gunst.
- Gunter, Addison Y.: *See*—
Elder, Frederick T., Farkas, and Gunter.
- Gunter, Addison Y., Larchmont, assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,399,484; Apr. 30.
- Gunter, James K., Hinsdale, assignor to Industrial Patents Corporation, Chicago, Ill. Continuous soap process. 2,401,756; June 11.
- Gunter, Leo A., assignee: *See*—
Salle, Anthony J., and Guest.
- Guptill, Heath R., Washington, D. C., assignor to General Electric Company. Phase shifting circuit. 2,411,423; Nov. 19.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency filter. 2,392,664; Jan. 8.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. High-frequency discharge device. 2,404,226; July 16.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency power measurement. 2,407,075; Sept. 3.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Filtering arrangement. 2,408,927; Oct. 8.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency space resonant system. 2,411,424; Nov. 19.
- Gurries, Albert G., Gilroy, Calif. Finishing leveler. 2,407,780; Sept. 17.
- Gurwick, Irving, New York, N. Y. Surface coating tissue paper with thermo-responsive resins. 2,407,549; Sept. 10.
- Gustafson, Gilbert E., River Forest, Ill., assignor to Zenith Radio Corporation. Radio receiving system. 2,392,665; Jan. 8.
- Gustafson, Hilding B., Hinsdale, assignor to Inflico Incorporated, Chicago, Ill. Sugar treatment. 2,403,177; July 2.
- Gustafson, Hilding B., Hinsdale, and E. Kominek, Jr., assignors to Inflico Incorporated, Chicago, Ill. Removal of boron from boron polluted substances. 2,402,959; July 2.
- Gustafson, Hilding B., Hinsdale, and L. A. Paley, Glenn Elynn, assignors to Inflico Incorporated, Chicago, Ill. Clarifying sugar solutions. 2,402,960; July 2.
- Gustafsson, Eric, and J. W. Baur, assignors to Binks Manufacturing Company, Chicago, Ill. Spray drying device. 2,399,182; Apr. 30.
- Gustavson, Alvin N., Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,407,831; Sept. 17.
- Gustavson, Alvin N., Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machines. 2,407,981; Sept. 24.
- Gustin, Daniel S., Bloomfield, and N. H. Bryant, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Activation of filamentary material. 2,392,318; Jan. 8.
- Gustin, Daniel S., Bloomfield, and A. L. Herman, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. End-cap electrode for discharge lamps. 2,404,057; July 16.
- Guth, Edwin F., Florissant, Mo. Lighting fixture. 2,401,635; June 4.
- Guth, Frederick A., Denver, Ohio. Door construction. 2,409,037; Oct. 8.

- Guth, Stern & Co., Inc., assignee: *See*—
Lippincott, Joshua G.
- Guthrie, Donald R.: *See*—
Stephens, Henry N., Gehrenbeck, and Guthrie.
- Guthrie, George L., Balboa Island, Calif. Weighing device. 2,396,916; Mar. 19.
- Guthrie, James M., Allison Park, assignor to F. S. Bloom, Pittsburgh, Pa., Industrial furnace and firing apparatus. 2,409,272; Oct. 15.
- Guthrie, John B., Memphis, Tenn. Harrow hitch. 2,396,369; Mar. 12.
- Guthrie, Robert G., and J. Chumassero, Chicago, Ill., assignors to Minneapolis Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic product and making the same. 2,407,234; Sept. 10.
- Gutoski, Emil, Cicero, Ill. Sliding window screen supporting structure. 2,408,138; Sept. 24.
- Gutsch, Ernest W., Viroqua, Wis. Pump. 2,397,483; Apr. 2.
- Gutteridge, John H., Arlington, Mass. Alarm clock. 2,396,947; Mar. 19.
- Guttman, Otto, Forest Hills, N. Y. Heel protector. 2,398,092; Apr. 9.
- Gutzeit, Carlos L., Terre Haute, Ind., assignor to Shell Development Company. Dehydrogenation process. 2,408,139; Sept. 24.
- Gutzeit, Carlos L., Terre Haute, Ind., assignor to Shell Development Company, San Francisco, Calif. Dehydrogenation catalyst. 2,408,140; Sept. 24.
- Gutzeit, Gregoire, Westport, Conn. Flotation process. 2,395,866; Mar. 5.
- Guy, Charles M., Pitsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Safety device for skip cars. 2,401,150; May 28.
- Guy, Hubert G.: *See*—
Bousquet, Euclid W., and Guy.
- Guyer, Edwin M., and R. E. Shaw, Jr., assignors to Corning Glass Works, Corning, N. Y. Method and apparatus for electric glassworking. 2,394,051; Feb. 5.
- Guyer, Jesse A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Oil desalting and/or dewatering. 2,410,970; Nov. 1.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Container. 2,392,042; Jan. 1.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Making leakproof packages. 2,402,548; June 25.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Compartmented fiberboard egg case. 2,404,704; July 23.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Method and apparatus for sealing cartons. 2,407,731; Sept. 17.
- Guyer, Reynolds, and R. J. Hennessey, assignors to Waldorf Paper Products Company, St. Paul, Minn. Container for frozen foods. 2,405,499; Aug. 6.
- Guyer, Reynolds, and R. M. Dunning, assignors to Waldorf Paper Products Company, St. Paul, Minn. Molded card construction. 2,411,622; Nov. 26.
- Guyon, Walter W., Rochester, N. Y. Sheet attaching mechanism. 2,405,420; Aug. 6.
- Guyon, Walter W., Rochester, N. Y. Attaching a plurality of sheets. 2,405,421; Aug. 6.
- Gwaltney, Eugene C., Biddeford, Maine, and H. E. Child, Newton, assignors to Saco-Lowell Shops, Boston, Mass. Textile carding machine. 2,396,571; Mar. 12.
- Gwaltney, Eugene C., Biddeford, and H. R. Marsh, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Yarn tensioning device. 2,405,885; Aug. 13.
- Gwinn, Joseph M., Jr., San Diego, Calif. Aircraft undercarriage. 2,403,523; July 9.
- Gwyn, Childress B., Jr., Brannockburn, Ill., assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Self-locking nut. 2,410,735; Nov. 5.
- Gyr, Josef, and R. G. Gunt, assignors to the Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss firm. Tetrakisazodystuffs. 2,401,868; June 11.
- Gyro-Balance Company, The, assignee: *See*—
Romy, Auguste L. M. A.
- Gysin, Hans: *See*—
Martin, Henry, and Gysin.
- H. & A. Manufacturing Co., assignee: *See*—
Reiser, Alfred A.
- H. P. M. Development Corporation, assignee: *See*—
Ashbaugh, Bernard D.
Ruehrmund, George H.
Summers, Otto M.
Toulmin, Harry A., Jr.
Tucker, Warren B.
- H. S. B. Corporation, assignee: *See*—
Melas, William, and Razeck.
Tinker, Walter H.
- Hagg, Carl J., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Reversible wheel. 2,410,579; Nov. 5.
- Hanger, Paul L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing mounting. 2,405,745; Aug. 13.
- Hans, Gerhard J., New York, N. Y., assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Riboflavin derivatives and preparing the same. 2,398,706; Apr. 10.
- Haas, Joseph L., assignor to Hodgman Rubber Company, Framingham, Mass. Thermosetting composition. 2,396,095; Mar. 5.
- Haas, Norman F., Orville, Ohio. Refrigerator. 2,394,684; Feb. 12.
- Haas, Otto, Richmond Hill, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Composites nut. 2,407,879; Sept. 17.
- Haas, Otto R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,394,171; Feb. 5.
- Haas, P. R., assignee, et al.: *See*—
Lewis, James O.
- Haase, Joseph L., assignor to Wingfoot Corporation, Akron, Ohio. Building pneumatic tires. 2,407,152; Sept. 3.
- Haase, Robert W., Westfield, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Separator. 2,409,625; Oct. 22.
- Haberlin, John F., assignor to Boeing Aircraft Company, Seattle, Wash. Aircraft gun-sighting arrangement. 2,394,305; Feb. 5.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Plastic joint construction. 2,392,734; Jan. 8.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Faucet. 2,392,918; Jan. 15.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Riveting device. 2,396,649; Mar. 19.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Rivet assembly and bucking device. 2,398,304; Apr. 9.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Collapsible gunstock. 2,400,349; May 14.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Water heater. 2,401,151; May 28.
- Haberstump, Alfred H., and L. C. Freeman, assignors to The Murray Corporation of America, Detroit, Mich. Fluid operated timing device. 2,397,103; Mar. 26.
- Habgood, Bernard J.: *See*—
Baird, William, Habgood, Harper, and Hendry.
- Habib, Emile E.: *See*—
Isom, Langley W., and Habib.
- Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion. 2,396,173; Mar. 5.
- Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of hydrocarbons. 2,411,264; Nov. 19.
- Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction. 2,411,785; Nov. 26.
- Hachmuth, Karl H., Bartlesville, Okla., and D. G. Blaker, Mission, Kans., assignors to Phillips Petroleum Company. Hydrocarbon conversion. 2,401,242; May 28.
- Hackett, James W., assignor to Everet Propeller Corporation, Baltimore, Md. Propeller. 2,395,867; Mar. 5.
- Hackett, James W., Newark, Ohio, and K. L. G. Copping, assignors to General Motors Corporation, Detroit, Mich. Hydraulic feed means. 2,409,850; Oct. 22.
- Hackett, Robert W., East Braintree, assignor to Abrasive Products, Inc., South Braintree, Mass. Abrasive disc. 2,398,224; Apr. 9.
- Hackett, Walter W., Oldbury, Birmingham, England. Manufacture of metal tubular articles. 2,392,797; Jan. 8.
- Hackett, William B., Salem, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Shearing apparatus. 2,397,603; Apr. 2.
- Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanisms for sewing machines. 2,398,225; Apr. 9.
- Hacklander, Hans, Linden, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trimming machine. 2,406,802; Aug. 27.
- Haddad, Jerrier: *See*—
Leathers, Ward, and Haddad.
- Haddock, Norman H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Dye-stuffs of the phthalocyanine series and preparing the same. 2,395,117; Feb. 19.
- Haddock, Norman H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Perylene derivatives. 2,409,831; Oct. 22.
- Hadekel, Ruben, Warrington, England, assignor to Aeronautical & Mechanical Investments Limited. Hydraulic control system. 2,397,736; Apr. 2.
- Hadekel, Ruben, Warrington, England, assignor to Aeronautical & Mechanical Investments Limited. Remote control apparatus. 2,397,937; Apr. 9.
- Hadesbeck, John S., Portland, Ore. Punchboard registering device. 2,406,603; Aug. 27.
- Hadler, Barthold C.: *See*—
Coleman, Gerald H., and Hadler.
- Hadley, Allan M.: *See*—
Benner, Howard J., and Hadley.
- Hadley, David J.: *See*—
Coppock, Philip D., and Hadley.

- Hadley, Frank H., assignor of one-half to B. C. D. Woolf, Birmingham, England. Workpiece holder. 2,411,790; Nov. 26.
- Hadley, Wilfred N., assignor to Parks and Woolson Machine Company, Springfield, Vt. Seam protecting devices for cloth shears. 2,393,159; Jan. 15.
- Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Obtaining moisture regain in fibrous materials. 2,401,926; June 11.
- Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Apparatus for obtaining moisture regain. 2,401,927; June 11.
- Hadsell, Charles E., Los Angeles, Calif. Refrigerating container. 2,393,245; Jan. 22.
- Haefele, Walter R.: *See*—
- Hardy, Vernal R. and Haefele.
- Haefelfinger, Albert, assignor to Appareillage Gardy S. A., Geneva, Switzerland. Electrical circuit breaking fuse of the controlled operation type. 2,400,408; May 14.
- Haef, Andrew C., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device. 2,398,499; Apr. 16.
- Haef, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device. 2,398,829; Apr. 23.
- Haef, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device. 2,400,752; May 21.
- Haef, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device and associated circuit. 2,400,753; May 21.
- Haef, Andrew V., East Orange, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,399,223; Apr. 30.
- Haensel, Vladimir: *See*—
- Thomas, Charles L., and Haensel.
- Haensel, Vladimir, and V. N. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Conversions of hydrocarbons. 2,399,224; Apr. 30.
- Haensel, Vladimir, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Reducing the olefin content of an olefinic distillate. 2,401,636; June 4.
- Haessler, Kurt W.: *See*—
- Snell, Foster De, and Haessler.
- Haessler, Walter M.: *See*—
- Grant, Harry C., Jr., and Haessler.
- Haessler, William J., assignor to High Production Machine Co., Inc., Philadelphia, Pa. Sheet feeding mechanism. 2,397,258; Mar. 26.
- Haff, Robert C., Mount Vernon, Ky., assignor to E. H. Steinman, Pittsburgh, Pa. Treating alunite ores and the like. 2,398,425; Apr. 16.
- Häffiger, Franz: *See*—
- Martin, Henry, and Häffiger.
- Martin, Henry, Häffiger, Gätzli, and Grob.
- Hagedorn, David O. and E. Blanco, Los Angeles, Calif. Transmission clutch. 2,392,919; Jan. 15.
- Hagelin, Boris C. W., Stockholm, Sweden. Ciphering and deciphering mechanism. 2,394,765; Feb. 12.
- Hagemann, August, Duisburg-Meiderich, Germany; vested in the Allen Property Custodian. Preparation of high grade antiknock motor fuels. 2,403,524; July 9.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of zein with ethylene oxide. 2,401,688; June 4.
- Hagen, Clarence R.: *See*—
- Baker, David B., and Hagen.
- Hagen, Clarence R., Chicago, Ill., assignor to International Harvester Company. Power take-off through tractor steering column. 2,399,733; May 7.
- Hagen, Clarence R., Chicago, Ill., assignor to International Harvester Company. Cotton conveying apparatus for cotton pickers. 2,401,152; May 28.
- Hagen, Harold E., Wellesley, assignor to B. F. Sturtevant Company, Boston, Mass. Axial flow fan. 2,393,042; Jan. 15.
- Hagen, Harry W., Decatur, Ill. Bottle closure to render bottles nonrefillable. 2,408,634; Oct. 1.
- Hagen, John, Overland, Mo. Curtain or drapery tieback. 2,403,361; July 2.
- Hagen, John A., Glen Rock, E. L. Gregor, Ramsey, and L. Prendergast, assignors to Molded Latex Products, Inc., Passaic, N. J. Making balloons. 2,409,486; Oct. 15.
- Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,404,058; July 16.
- Häger, Bror O., assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Wood preservatives. 2,408,978; Oct. 8.
- Hager, Edward T.: *See*—
- Woodell, Charles E., Van Nimwegen, and Hager.
- Hagerbaumer, William A.: *See*—
- Palmestock, Frank C., and Hagerbaumer.
- Sinclair, Edward L., and Hagerbaumer.
- Hagerstown Leather Company, assignee: *See*—
- Thomas, Harry I.
- Hagerity, John J., Boston, Mass. Decorative button. 2,397,886; Aug. 2.
- Haggard, Joseph M., Dallas, Tex. Garment pocket. 2,413,141; Dec. 24.
- Haggard, Claude C., and J. B. Meehan, Medford, Ore. Folding stretcher. 2,409,934; Oct. 22.
- Haggart, Crichton W., assignor of one-third to J. C. Urquhart, Toronto, Ontario, Canada. Safety control for hydraulic braking systems. 2,402,745; June 25.
- Haglund, Hakon H., Pelham, and A. W. Breyfogel, Howard Beach, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 2,406,829; Sept. 3.
- Hagunauer, Hubert W., assignee, et al.: *See*—
- Gruener, William P.
- Hagner, Frederick H., San Antonio, Tex., assignor to Archbold-Hagner Instrument Laboratory, Inc. Angle determining device. Re. 22,719; Feb. 12.
- Hagner, Frederick H., San Antonio, Tex. Star identifier and celestial calculator. 2,397,002; Mar. 19.
- Hagner, Frederick H., San Antonio, Tex. Pitch and roll indicator. 2,402,395; June 18.
- Hagner, Frederick H., San Antonio, Tex. Electrical registering and position indicator. 2,402,396; June 18.
- Hagner, Frederick H., San Antonio, Tex., assignor to Archbold-Hagner Instrument Laboratory, Inc. Portable angle-measuring device. 2,403,919; July 16.
- Hagner, Frederick H., assignor to Position Finder Corporation, San Antonio, Tex. Navigation and instruction instrument. 2,403,920; July 16.
- Hagner, Frederick H., San Antonio, Tex., assignor to Archbold-Hagner Instrument Laboratory, Inc. Observation and angle-determining instrument. 2,411,425; Nov. 19.
- Hais, Joseph W., Swissvale, Pa., assignor to Carnegie-Illinois Steel Corporation. Scanning light control for pinhole detectors. 2,395,181; Feb. 13.
- Hahn, Kenneth F., Minneapolis, Minn. Walking device. 2,392,735; Jan. 8.
- Hahn, Otto W., assignor to Industrial Research Laboratories Ltd., San Francisco, Calif. Gas heating burner. 2,395,868; Mar. 5.
- Hahn, Paul T., Detroit, Mich., assignor to Eureka Williams Corporation. Nozzle adjustment for suction cleaners. 2,396,846; Mar. 19.
- Hahn, William C., Scotia, N. Y., assignor to General Electric Company. Control system. 2,401,421; June 4.
- Hahn, William C., Scotia, N. C., assignor to General Electric Company. High-frequency apparatus. 2,403,795; July 9.
- Haigh, Leslie B., West Orange, N. J., assignor to Standard Telephones and Cables Limited, London, England. Electrically operated calculating equipment. 2,411,540; Nov. 26.
- Haigh, Leslie B., West Orange, and F. A. Stearn, assignors to Federal Telephone & Radio Corporation, Westfield, N. J. Magnetic signal device. 2,393,901; Jan. 29.
- Haigh, Leslie B., West Orange, and F. A. Stearn, Westfield, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Telephone key. 2,410,062; Oct. 29.
- Haight, John L., Jr., Fort Worth, Tex. Internal-combustion engine. 2,408,554; Oct. 29.
- Haight, Norman, assignor to Sperry Products, Inc., Hoboken, N. J. Data transmitter. 2,409,559; Oct. 15.
- Haight, Norman L., assignor to Sperry Products, Inc., Hoboken, N. J. Data transmitter. 2,409,560; Oct. 15.
- Hailes, William D., Brighton, and J. F. Merkel, assignors to General Railway Signal Company, Rochester, N. Y. Electric train recorder for railway dispatching systems. 2,394,172; Feb. 5.
- Hailes, William D., Brighton, F. W. Brinker, Gates, W. M. Barker, Greece, and A. V. Dasburg, Brighton, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,399,734; May 7.
- Hain, Leon, Brooklyn, N. Y. Milling fixture. 2,412,454; Dec. 10.
- Hain, Malcolm, Montclair, N. J. Manufacture of yarn. 2,398,000; Apr. 9.
- Haine, Michael E., Sale, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Circuit used in generating electrical impulses. 2,400,113; May 14.
- Haine, Michael E., Sale, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Spark gap electrical apparatus. 2,400,457; May 14.
- Haine, Michael E., and J. M. Meek, Sale, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Spark gap electrical apparatus. 2,400,456; May 14.
- Haines, Edward C., Moorestown, assignor to Geo. D. Vetherill, Varnish Co., Inc., Camden, N. J. Preparing alkyl resins. 2,396,698; Mar. 19.
- Haines, Harry F., assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injector. 2,392,474; Jan. 8.
- Haines, John F.: *See*—
- Blanchard, Werner J., MacNeil, Haines, and Martin.
- Martin, Thomas B., and Haines.
- Haines, Paul G.: *See*—
- Woodward, Charles F., Eisner, and Haines.
- Hained, Ray, assignor to Hudson and V. Adams, New Rochelle, N. Y. Electric soldering device. 2,397,348; Mar. 26.

- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian propulsion mechanism. 2,393,368; Jan. 22.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Resilient axle support. 2,393,369; Jan. 22.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian propulsion mechanism. 2,397,104; Mar. 26.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Chain mechanism. 2,397,105; Mar. 26.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian propulsion mechanism. 2,404,486; July 23.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian propulsion mechanism. 2,404,487; July 23.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian propulsion mechanism. 2,404,488; July 23.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian. 2,404,489; July 23.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian propulsion mechanism. 2,404,490; July 23.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian steering mechanism. 2,404,491; July 23.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian. 2,404,492; July 23.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian. 2,406,288; Aug. 20.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian. 2,406,289; Aug. 20.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian. 2,406,290; Aug. 20.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian steering mechanism. 2,408,928; Oct. 8.
- Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Chain bearing seal. 2,411,207; Nov. 19.
- Hait, James M., San Gabriel, and T. B. Keesling, assignors to Food Machinery Corporation, San Jose, Calif. Running gear. 2,403,362; July 2.
- Hait, James M., San Gabriel, and P. S. Devirian, and D. R. Rankin, Los Angeles, assignors to Food Machinery Corporation, San Jose, Calif. Amphibian. 2,404,493; July 23.
- Haivala, William S., Kennewick, Wash. Concrete float. 2,410,343; Oct. 29.
- Hajoca Corporation, assignee: See—
Dodge, William B.
- Halbert, William E., Fort Worth, Tex. Flowing wells. 2,398,527; Apr. 16.
- Halby, Edwin G., and R. J. Bushong, assignors to the Marion Steam Shovel Company, Marion, Ohio. Rotary seal. 2,404,494; July 23.
- Hale, Erwin; See—
Doyle, Irving W., and Hale.
- Hale, George H., assignee: See—
Ruskin, Henry.
- Hale, James E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Bead lock. 2,393,494; Jan. 22.
- Hale, Jesse W., Weston, Mass. Change-speed device. 2,402,248; June 18.
- Hale, William J., assignor of one-half to J. C. Lipps, Wise, Va. Wheeled vehicle. 2,403,217; July 2.
- Hale, William J., Michael, Mich., and H. Miller, Columbia, Mo., assignors, by direct and mesne assignments, to National Agrol Company, Inc., Washington, D. C. Dehydration of alcohols. 2,400,409; May 14.
- Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Laminated bucket. 2,401,060; May 23.
- Haley, Hugh D., Drexel Hill, and H. D. Schaffer, Boothwyn, Pa., assignors to American Viscose Corporation, Wilmington, Del. Funnel guide mounting. 2,411,035; Nov. 12.
- Haley, Joe B., Houston, Tex. Lipstick holder. 2,397,416; Mar. 26.
- Haley, Joe B., Houston, Tex. Attachment for toilets. 2,407,005; Sept. 3.
- Halford, Frank B., Hatfield, assignor to The De Havilland Aircraft Company, Limited, Hatfield Aerodrome, England. Apparatus for testing the aerodynamic balance of aircrews. 2,394,766; Feb. 12.
- Halford, Frank B., Hatfield, assignor to The De Havilland Aircraft Company, Limited, Hatfield, Hertfordshire, England. Turbo-compressor propulsive apparatus. 2,399,865; May 7.
- Halford, Frank B., assignor to The De Havilland Aircraft Company, Limited, Edgware, England. Turbine. 2,401,826; June 11.
- Halford, Frank B., Edgware, and C. L. Cowdrey, Hitchin, assignors to D. Napier & Son Limited, London, England. Cooling of engines in aircraft. 2,405,422; Aug. 6.
- Halleck, William A., Detroit, Mich., and D. B. Gordon, Corvallis, Oreg., assignors to National Steel Corporation, Shelter. 2,397,259; Mar. 26.
- Hall, Otto J., Rochester, Minn., assignor to Burd Piston Ring Company, Rockford, Ill. Ring boring machine. 2,410,819; Nov. 12.
- Hall, Alfred G. W.; See—
Scott-Paine, Hubert.
- Hall, Archibald J., and F. C. Wood, assignors to Tootal Broadhurst Lee Company Limited, Manchester, England. Treatment of wool. 2,401,479; June 4.
- Hall, Arthur G.; See—
Ashbaugh, Robert P., and Hall.
- Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Adjustable rotary fastener stud. 2,395,220; Feb. 19.
- Hall, Charles W., assignor of one-half to E. C. Heald and one-half to V. B. Ginsberg, Denver, Colo. Rotary valve. 2,394,767; Feb. 12.
- Hall, Charles W., assignor to Malcolm S. Losey, Denver, Colo. Quick opening rotary valve. 2,411,321; Nov. 19.
- Hall, Charles W., assignor to M. S. Losey, Denver, Colo. Air-cooled rotary valve. 2,412,260; Dec. 10.
- Hall, Charles W., assignor to M. S. Losey, Denver, Colo. Rotary valve. 2,412,261; Dec. 10.
- Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Thermomotive device. 2,399,020; Apr. 23.
- Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Electromagnetic control apparatus. 2,404,227; July 16.
- Hall, Chester, R. Rexford, and A. W. Bedford, Schenectady, N. Y., assignors to General Electric Company. Electric tripping. 2,401,153; May 28.
- Hall, Edwin S., Farmington, Conn. Steam engine. 2,406,291; Aug. 20.
- Hall, Edwin S., Farmington, Conn., assignor to Rogers Diesel and Aircraft Corporation, New York, N. Y. Engine frame. 2,406,292; Aug. 20.
- Hall, Elisha W., Scituate, Mass. Abrading wheel. 2,395,325; Feb. 19.
- Hall, Elisha W., Scituate, Mass. Rotary disk abrading tool. 2,413,346; Dec. 31.
- Hall, Ellis C., Jackson, Miss. Amusement device. 2,397,857; Apr. 2.
- Hall, Garland W., Port Neches, R. F. Sens, Beaumont, and M. A. Furth, Nederland, Tex., assignors to The Pure Oil Company, Chicago, Ill. Bit. 2,411,209; Nov. 19.
- Hall, Glen R., Uhrichsville, Ohio. Traffic counter. 2,403,277; July 2.
- Hall, Guy H., assignee: See—
Ernst, Fred.
- Hall, Harold E., Short Hills, and A. F. Knoll, Westfield, assignors to Metals Disintegrating Company, Inc., Elizabeth, N. J. Manufacturing magnesium powder. 2,394,052; Feb. 5.
- Hall, Harry E., Tenafly, N. J., assignor to Otis Elevator Company, New York, N. Y. Positioning apparatus for elevator guide rails. 2,402,888; June 25.
- Hall, Homer J.; See—
Tongberg, Carl O., and Hall.
- Hall, Homer J., Roselle, and J. C. Munday, Cranford, N. J., assignors to Standard Oil Development Company. Purification of gases. 2,411,208; Nov. 19.
- Hall, Horace W., Newton, Mass. Curing adhesive bonds in laminated structures. 2,406,680; Aug. 27.
- Hall, Ike D., Baytown, Tex., assignor to Standard Oil Development Company. Separation of olefins. 2,400,350; May 14.
- Hall, James, Leeds, assignor to Kingswood Manufacturing Co. Limited, Letchworth, Herts, England. Machine for making circular lathe brushes. 2,411,265; Nov. 19.
- Hall, Jesse E., Weatherford, Tex. Pipe-line cleaner. 2,392,144; Jan. 1.
- Hall, Jesse E., Weatherford, Tex. Cement basket. 2,392,145; Jan. 1.
- Hall, Jesse E., Weatherford, Tex. Drill pipe wiper. 2,392,146; Jan. 1.
- Hall, John W., Westfield, assignor of one-half to F. I. Hardy, Boston, Mass. Dimension gauge. 2,410,877; Nov. 12.
- Hall, John L., Narrows, and A. M. Santolla, Pearlsburg, Pa., assignors to Celanese Corporation of America. Winding machine control. 2,404,835; July 30.
- Hall, John M., New York, N. Y. Ice air conditioning system. 2,408,635; Oct. 1.
- Hall, John R., Chicago, Ill., assignor to International Harvester Company. Grinding mill. 2,394,053; Feb. 5.
- Hall, John R., Chicago, Ill., assignor to International Harvester Company. Grinding mill. 2,405,692; Aug. 13.
- Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Apparatus for dehydrating liquid products. 2,400,438; Mar. 14.
- Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Method of and apparatus for concentrating and dehydrating liquid products. 2,400,439; May 14.
- Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Dehydrated edible product and obtaining same. 2,400,460; May 14.

- Hall, Joseph S., Sale, England, assignor to Metropolitan-Vickers Electrical Company Limited. Turbine installation. 2,394,685; Feb. 12.
- Hall, Julius, Wheelwright, Ky. Safety gas valve. 2,398,324; Mar. 12.
- Hall, Kenneth J., assignor, by mesne assignments, to The Elliot Company, Worcester, Mass. Internal forming device. 2,411,426; Nov. 19.
- Hall Laboratories, Inc., assignee: *See—*Kaufman, Charles.
- Partridge, Everett P.
- Hall, Larry G., St. Louis, Mo., and Herman G. Boucher, Wood River, Ill., assignors to Shell Development Company, San Francisco, Calif. Production of gasoline. 2,407,492; Sept. 10.
- Hall, Louis P., Jr., Morristown, N. J. Making boat hulls. 2,412,455; Dec. 10.
- Hall, Marvin J., Evanston, Ill., assignor to The Kendall Company, Boston, Mass. System for tubing surgical materials. 2,394,054; Feb. 5.
- Hall, Nathan L., assignee: *See—*Hall, William D.
- Hall, Roger N.: *See—*Fremlin, John H., and Hall.
- Hall, Roy D., Pottersville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric furnace. 2,404,059; July 16.
- Hall, Roy D., Millington, and E. Romanelli, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High temperature furnace. 2,404,060; July 16.
- Hall, Selden H., assignor to James L. Taylor Mfg. Co., Poughkeepsie, N. Y. Continuous gluing machine. 2,408,064; Sept. 24.
- Hall, Teiler R., Los Angeles, Calif. Collet chuck. 2,398,006; Mar. 5.
- Hall, Theodore P., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Aircraft load handling system. 2,412,729; Dec. 17.
- Hall, Theodore P., and B. Smith, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Collapsible float for aircraft. 2,399,346; Apr. 30.
- Hall, William D., Elkins, W. Va., assignor to Nathan I. Hall, Madison, N. J. Control system. 2,399,073; May 7.
- Hall, William M., Lexington, Mass., assignor to Research Corporation, New York, N. Y. Method of and instrument for guiding aircraft. 2,400,232; May 14.
- Hallborg, Henry E., Upper Montclair, N. J., C. N. Gillespie, Brooklyn, and G. R. Clark, Staten Island, N. Y., assignors to Radio Corporation of America. Synchronizing device. 2,403,921; July 16.
- Hallen, Carl E., assignor to J. B. Crofoot Co., Mount Prospect, Ill. Cushion head for stapling devices. 2,393,769; Jan. 29.
- Haller, Herbert L. J.: *See—*Gertler, Samuel I., and Haller.
- Haller, John, Northville, Mich. Fluid transmission system for machine tools. 2,397,106; Mar. 26.
- Halley, James W., assignor to Inland Steel Company, Chicago, Ill. Alloy steel. 2,402,135; June 18.
- Halliburton Oil Well Cementing Co., assignee: *See—*Anderson, Francis M.
- Bradshaw, John R.
- Edwards, Roy E.
- Halliday, Eric C.: *See—*Rolfes, Hans J., and Halliday.
- Halliday, George F., assignor to Aero Engines Limited, Bristol, England. Valve actuation. 2,401,480; June 4.
- Halliday, George F., Kingswood, Bristol, assignor to Aero Engines Limited, Bristol, England. Resilient suspension of vehicle wheels. 2,401,869; June 11.
- Halliday, George F., and A. W. Thomas, Kingswood, Bristol, England, assignors to Douglas (Kingswood) Limited. Connection of clutches to speed gears. 2,407,955; Sept. 17.
- Hallinan, William W., Mendota, Ill. Stoker control. 2,393,680; Jan. 29.
- Hallman, Alvin O.: *See—*Burt, Charles A., Hallman, Bowden, Whitlow, and Pace.
- Hallmark, Clyde E., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Synchronizing signal generator. 2,407,956; Sept. 17.
- Hallmark, Clyde E., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Image dissector tube. 2,412,086; Dec. 3.
- Halloek, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union, N. J. Fastening device. 2,404,372; July 23.
- Halloran, James J.: *See—*Forbes, Allan D., Leonard, and Halloran.
- Hallowell, Alban T., and G. T. Vaala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of thionyl chloride. 2,393,247; Jan. 22.
- Hallowell, Howard T., Jr., assignor to Pennsylvania Manufacturing Company, Jenkintown, Pa. Inspection gauge. 2,393,246; Jan. 22.
- Hallum, Jesse J., Sr., Cleveland, Tenn., assignor of one-half to C. Parker, Rome, Ga. Stove. 2,401,928; June 11.
- Hallum, Robert K., Brownwood, Tex. Handle. 2,404,495; July 23.
- Hallward, Michael, Swampscott, Mass. Life raft. 2,413,226; Dec. 24.
- Haloski, Frank, assignor to Vacuum Can Company, Chicago, Ill. Carrying rack. 2,392,043; Jan. 1.
- Halpern, William, New York, K. Weiner, Elmhurst, and R. Krochmal, New York, N. Y. Cover. 2,412,262; Dec. 10.
- Halpert, Percy: *See—*Frische, Carl A., Bentley, and Halpert.
- Hanson, Gerald N., Halpert, and Frische.
- Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Indicator mechanism. 2,396,948; Mar. 19.
- Halstead, Lahan R., assignor to Eugene Dietzgen Co., Chicago, Ill. Drafting machine. 2,407,235; Sept. 10.
- Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Induction radio system. 2,394,444; Feb. 5.
- Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Signaling system. 2,398,741; Apr. 16.
- Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Supervisory system for communication circuits. 2,398,742; Apr. 16.
- Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Communications system. 2,407,417; Sept. 10.
- Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Communications system. 2,411,786; Nov. 26.
- Halstead, William S., Huntington, and B. C. Lord, Valley Stream, N. Y., assignors, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Signaling system. 2,405,501; Aug. 6.
- Halvey, Arthur F., assignor to Traders Supplies Limited, Auckland, New Zealand. Aerial bomb. 2,398,740; Apr. 16.
- Halvorsen, William T.: *See—*Devine, James H., and Halvorsen.
- Haman, Howard H., and C. E. Whalen, assignors to The Warren Featherbone Co., Three Oaks, Mich. Sealing together two pieces of waterproof fabric, and the seam formed thereby. 2,406,850; Sept. 3.
- Hambacher, August M., Denver, Colo. Folding doll bed. 2,406,496; Aug. 27.
- Hambelton, Charles L., San Francisco, Calif. Universal joint. 2,397,003; Mar. 19.
- Hamblet, Clement H.: *See—*Veber, Arthur G., and Hamblet.
- Hamblet, Clement H., Gordon Heights, assignor to E. I. du Pont de Nemours & Company. Preparation of soaps. 2,409,678; Oct. 22.
- Hamel, William W., assignor of two-thirds to A. E. Lachenbach, and one-third to L. Stark and S. Kaplan, New York, N. Y. Manufacturing metal coated articles. 2,400,304; May 14.
- Hamill, William H., and R. B. Vogt, Notre Dame, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetylene solutions. 2,405,693; Aug. 13.
- Hamilton, Alfred E., Pittsburgh, Pa. Contour cutting apparatus. 2,401,422; June 4.
- Hamilton Associated Industries, assignee: *See—*Antalek, John J.
- Hamilton, Charles D. P., Jr., assignee, et al.: *See—*Walsh, John J.
- Hamilton, Clarence R., Roseville, J. King, Glendale, Calif., and J. D. Baker, Winnetka, Ill., assignors to Johns-Manville Corporation, New York, N. Y. Refrigerator car drip pan. 2,409,273; Oct. 15.
- Hamilton, Edward P., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drawer structure. 2,398,528; Apr. 16.
- Hamilton, Everett R., assignee, et al.: *See—*Walsh, John J.
- Hamilton, Forest R., assignee, et al.: *See—*Walsh, John J.
- Hamilton, Francis E.: *See—*Lake, Clair D., and Hamilton.
- Lake, Clair D., Hamilton, and Durfee.
- Hamilton, George M., assignor to Callender's Cable & Construction Company Limited, London, England. Manufacture of rubber in cellular form. 2,404,171; July 16.
- Hamilton, Hugh G., and L. C. Pratt, Baldwin, and A. Skrobisch, New York, assignors to Eastern Air Devices, Inc., Brooklyn, N. Y. Dynamoelectric machine assembly. 2,411,684; Nov. 26.
- Hamilton, James H., Burbank, Calif., and H. J. White, Cambridge, Mass.; said Hamilton assignor to Western Precipitation Corporation, Los Angeles, Calif., and said White assignor to Research Corporation, New York, N. Y. Rapping device. 2,392,088; Jan. 1.
- Hamilton, James K., Plainfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Device for purifying oxygen and the like. 2,398,830; Apr. 23.

- Hamilton, Jean W. : *See—*
Ingalls, David, and Hamilton.
- Hamilton, Julian P., Pelly, and C. F. Jones, Goose Creek, Tex., assignors to Standard Oil Development Company. Filtering. 2,404,061; July 16.
- Hamilton, Kenneth, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Paper yarn. 2,407,926; Sept. 17.
- Hamilton, Lyle A. : *See—*
Detrick, Stanley R., and Hamilton.
- Hamilton Manufacturing Company, assignee : *See—*
Hamilton, Edward P.
- Hamilton, Monroe H., assignee : *See—*
Bowers, Thomas A.
- Hamilton, Nathan E. : *See—*
Nygaard, Edwin M., McCracken, and Hamilton.
- Hamilton, Robert M. : *See—*
Nichols, Peter L., Jr., and Hamilton.
- Hamilton, Robert M., and P. L. Nichols, Jr., Philadelphia, Pa., assignors to United States of America as represented by Secretary of Agriculture. Preparation of organic solvent-soluble unsaturated carbohydrate ethers and products produced thereby. 2,406,869; Aug. 27.
- Hamilton, Ronald M., Churt, Barnham, England. High-speed vehicle. 2,399,321; Apr. 23.
- Hamilton, Sam, Ardmore, assignor to The Electric Tachometer Corporation, Philadelphia, Pa. Speed indicator transmission. 2,407,077; Sept. 3.
- Hamilton, Samuel H., Philadelphia, and L. W. Shelly, assignors to The Aldrich Pump Company, Allentown, Pa. Piston construction. 2,413,347; Dec. 31.
- Hamilton, Thomas F., Chicago, Ill. Dispensing device. 2,393,370; Jan. 22.
- Hamilton, Virgil, assignee : *See—*
Antalek, John J.
- Hamilton, Wallace, Albany, N. Y., assignor to Draper Corporation, Hopedale, Mass. Picker stick checking mechanism. 2,408,636; Oct. 1.
- Hamilton, Wallace, assignor to Consolidated Car-Heating Company, Albany, N. Y. Solenoid locked push door. 2,411,268; Nov. 19.
- Hamilton Watch Company, assignee : *See—*
Bennett, William O., Jr.
Carlstrom, Ellis E.
Hoffelinger, Robert D.
Kleiner, Albert J.
Vermot, Henri E.
Walsh, John J.
- Hamilton, William F., Altadena, M. F. George, Jr., Hollywood, and G. B. Weible, North Hollywood, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Lubricating and hydraulic composition. 2,392,530; Jan. 8.
- Hamlett, Sidney J., Jr., Parma, assignor to White Sewing Machine Corporation, Cleveland, Ohio. Bobbin winder for sewing machines. 2,412,456; Dec. 10.
- Hamlin, Jerry F., Mill Valley, Calif. Hydraulic egg turning mechanism. 2,404,228; July 16.
- Hamlin Metal Products Company, The, assignee : *See—*
Walklet, Mercer D.
- Hammel, Riglander & Co. Inc., assignee : *See—*
Cormier, Louis A.
Konikoff, Robert H.
- Hammell, Kemper M., Detroit, Mich., assignor to Eureka Williams Corporation. Machine gun recharger. 2,406,461; Aug. 27.
- Hammer, Bernard W. : *See—*
Horneman, Herman C., Hussong, Quam, and Hammer.
- Hammer, Oscar H., South Haven, assignor to The Dow Chemical Company, Midland, Mich. Parasiticide composition. 2,403,435; July 9.
- Hammer, Samuel E. : *See—*
Harrington, Michael J., and Hammer.
- Hammermill Paper Company, assignee : *See—*
Samson, Edward W.
- Hammerschlag, Heinz B., assignee : *See—*
Henschel, Heinz
- Hammon, James H., Vincennes, Ind. Multifocal ophthalmic lens blank. 2,405,826; Aug. 13.
- Hammond, Grant, West Haven, assignor to F. Kenna, New Haven, Conn. Razor. 2,393,366; Jan. 22.
- Hammond Instrument Company, assignee : *See—*
Hammond, Laurens, and Hanert.
Stephens, George H.
- Hammond, John A. S., Glenbrook, Conn., assignor, by mesne assignments, of one-half to U. S. Industrial Chemicals, Inc., New York, N. Y., and one-half to Wyandotte Chemicals Corporation, Wyandotte, Mich. Manufacture of dichlorethane. 2,393,367; Jan. 22.
- Hammond, John A. S., Glenbrook, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Apparatus for catalytic operations. 2,404,574; July 23.
- Hammond, John H., Jr., Gloucester, Mass. Sound propagating apparatus. 2,397,107; Mar. 26.
- Hammond, John H., Jr., Gloucester, Mass. Gyrostabilized bomb control system. 2,406,293; Aug. 20.
- Hammond, John H., Jr., Gloucester, Mass. Antenna release mechanism. 2,411,828; Nov. 26.
- Hammond, John H., Jr., Gloucester, Mass., assignor to the United States of America as represented by the Secretary of Navy. Control of torpedo antenna. 2,396,463; Mar. 12.
- Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Detection of submerged objects. 2,401,929; June 11.
- Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Secrecy communication system. 2,404,839; July 30.
- Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Navigational guide system. 2,408,848; Oct. 8.
- Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Bomb control system. 2,411,787; Nov. 26.
- Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Bomb control system. 2,411,788; Nov. 26.
- Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Signaling system. 2,413,348; Dec. 31.
- Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America, New York, N. Y. Radio controlled rocket. 2,413,621; Dec. 31.
- Hammond, John H., Jr., and E. S. Purington, Gloucester, Mass., assignors to Radio Corporation of America, New York, N. Y. Selectivity by phase quadrature using triple selectivity circuits. 2,404,062; July 16.
- Hammond, John V., Spangler, and D. J. Keenan, Barnsboro, Pa., said Keenan assignor to said Hammond. Blasting unit and short-circuiting device. 2,407,605; Sept. 16.
- Hammond, Laurens, Chicago, Ill. Steering apparatus. 2,408,929; Oct. 8.
- Hammond, Laurens, Chicago, and J. M. Hanert, Wilmette, Ill.; said Hanert assignor to Hammond Instrument Company. Frequency meter. 2,408,930; Oct. 8.
- Hammond, Leonard M., Guelph, Ontario, Canada. Variable condenser. 2,394,686; Feb. 12.
- Hampel, Clifford A., Painesville, Ohio, and J. E. Weiler, Lake Charles, La., assignors to The Matheson Alkali Works, Inc., New York, N. Y. Purifying metal alkali solutions. 2,395,221; Feb. 19.
- Hampton, Leon N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiping plate. 2,402,998; July 2.
- Hampton, Wilfred M. : *See—*
Bastick, Raymond E., Hampton, and Wang.
- Hampton, William J., South Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Perforating device. 2,394,377; Feb. 5.
- Hamren, Joseph O., Minneapolis, Minn. Variable-speed transmission. 2,404,229; July 16.
- Hamrick, Lyman, Gaffney, S. C. Multiple needle tufting machine. 2,412,267; Feb. 5.
- Hamrick, Lyman, Gaffney, S. C. Multiple needle looping machine. 2,411,268; Nov. 19.
- Hanak, Albert, Elkins Park, Pa. Apparatus for separation of metallic values. 2,393,467; Jan. 22.
- Hanak, Albert, Elkins Park, Pa. Separation of metallic values. 2,393,468; Jan. 22.
- Hancock, Brenda A. : *See—*
Hancock, William A. and B. A.
- Hancock, David, Jr., and H. E. Meinema, Chicago, Ill. Camera for aerial photography. 2,413,349; Dec. 31.
- Hancock Manufacturing Company, assignee : *See—*
De Orlov, Stephen.
Marple, Rollo.
- Hancock, William A. and B. A., Maroubra, near Sydney, New South Wales, Australia. Device for carrying children. 2,411,721; Nov. 26.
- Handelar, Daniel, assignor of one-half to E. H. Wilson, Minneapolis, Minn. Combination heater and refuse burner. 2,404,705; July 23.
- Handler, Alfred A., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Making hollow propellers. 2,394,465; Feb. 5.
- Handler, Alfred A., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Propeller. 2,394,446; Feb. 5.
- Handley, George F., deceased, Glendale, by M. J. Handley, executrix, Yonkers, assignor to Royal Typewriter Company, Inc., New York, N. Y. Power operated typewriting machine. 2,411,496; Nov. 19.
- Handley, John : *See—*
Grace, Bertram B., Handley, and Gilliver.
Hardley, George C., McWhirter, and Handley.
- Handley, John : *See—*
Grace, Bertram B., Handley, and Gilliver.
- Handley, John, London, W. C. 2, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical measuring instrument. 2,396,464; Mar. 12.
- Handley, Matilda J., executrix : *See—*
Handley, George F.
- Handley, William C., Frodsham, J. C. Quayle, Manley, Helsby, via Warrington, and E. G. McLeod, Helsby, via Warrington, assignors to British Insulated Cables Limited, Prescott, Lancashire, England. Mounting electric condensers or other articles on support plates. 2,395,326; Feb. 19.
- Hands, C. Alfred, assignee, et al. : *See—*
English, Herman.
- Handt, Maria M., New York, N. Y. Garment. 2,407,550; Sept. 10.

Hanert, John M.: *See*—

Hammond, Laurens, and Hanert.

Haney, Clifford L., and W. E. Martin, Cumberland, Md., assignors to Celanese Corporation of America. Insulating material. 2,398,001; Apr. 9.

Haney, Clifford L., Greenwich, Conn., M. E. Martin, and T. M. Andrews, Cumberland, Md., assignors to Celanese Corporation of America. Cellulose purification. 2,408,849; Oct. 3.

Hanff, Ludovic, Warwick, R. I. Relay device. 2,407,418; Sept. 10.

Hanford, William E.: *See*—

Brubaker, Merlin M., and Hanford.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of chlorotrifluoroethylene and olefin hydrocarbons. 2,392,378; Jan. 8.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical product and making the same. 2,396,786; Mar. 19.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing olefins. 2,405,950; Aug. 20.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetrafluoroethylene. 2,407,419; Sept. 10.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Saturated polyfluoro carbonyl compounds and their preparation. 2,411,158; Nov. 19.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricant. 2,411,159; Nov. 19.

Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing olefinic materials. 2,395,327; Feb. 19.

Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing olefins with other polymerizable organic compounds. 2,396,785; Mar. 19.

Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical composition. 2,398,426; Apr. 16.

Hanford, William E., J. E. Kirby, and D. W. Woodward, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dye intermediates. 2,396,917; Mar. 19.

Hanford, William E., Wilmington, and J. R. Roland, McDaniel Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ethylene with other polymerizable substances. 2,397,260; Mar. 26.

Hanford, William E., Wilmington, and J. R. Roland, McDaniel Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ethylene with other polymerizable substances. 2,402,136; June 18.

Hanford, William E., Easton, Pa., and J. R. Roland, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. High molecular weight products of ethylene. 2,402,137; June 18.

Hanford, William E., Easton, Pa., and G. W. Rigby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfluoro organic ethers and their preparation. 2,409,274; Oct. 15.

Hanford, William E., Wilmington, and J. R. Roland, McDaniel Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers of ethylene and halovinyl compounds and their preparation. 2,409,679; Oct. 22.

Hanhart, Walter, Kiehen, assignor to Society of Chemical Industry of Basle, Basel, Switzerland. Polyzar dyestuffs of the stilbene series and making same. 2,405,353; Aug. 6.

Hanisch, Max C., Jr., and A. S. Friedland, Peshtigo, Wis. Brooder house. 2,392,920; Jan. 15.

Hanks, George R., Clinton, assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Chain dredge bucket and forming. 2,398,786; Apr. 23.

Hanley, Stanley M., assignee, et al: *See*—

Bixby, William H.

Hanlon, Robert H.: *See*—

Doster, Howard G., Hanlon, and Farnsworth.

Hanna, Anne D., Los Angeles, Calif. Drying line and self-locking reel therefor. 2,412,896; Dec. 10.

Hanna, Atto N., Atlantic Highlands, N. J. Key holder. 2,407,163; Sept. 3.

Hanna, Clinton R.: *See*—

Lynn, Lawrence B., and Hanna.

Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizer apparatus. 2,404,172; July 16.

Hanna, Clinton R., Pittsburgh, and L. B. Lynn, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Position regulated gun mount. 2,391,965; Jan. 8.

Hanna, Clinton R., and W. O. Osborn, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tracer controlled position finder. 2,397,108; Mar. 26.

Hanna, Clinton R., Pittsburgh, and S. J. Mikina, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Acceleration-responsive governor systems. 2,407,982; Sept. 24.

Hanna Engineering Works, assignee: *See*—

Hanna, John C.

Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Gear pump. 2,403,796; July 9.

Hanna, William T., Cincinnati, Ohio. Stoker conveyor. 2,413,448; Dec. 31.

Hannah, Perry C., assignor to United Aircraft Products, Ltd., Dayton, Ohio. Heat exchange unit. 2,396,650; Mar. 19.

Hannant, Theodore N., Cedar Grove, assignor to Specialties Development Corporation, Bloomfield, N. J. Actuator. 2,407,269; Sept. 10.

Hanners, Harvey W., Springfield, Ohio, assignor to the National Supply Company, Pittsburgh, Pa. Cooling system for internal-combustion engines. 2,403,218; July 2.

Hannewald, Burton A., J. J. Lee, and J. M. Wheatley, Indianapolis, Ind., assignors to Bemis Bro. Bag Company, St. Louis, Mo. Bag turner. 2,410,751; Nov. 5.

Hannon, James C.: *See*—

Grylewicz, Frank S., Hannon, and Witsaman.

Hannon, Tolbert, San Francisco, Calif. Window lock. 2,392,475; Jan. 8.

Hannum, John E.: *See*—

Gerndt, Paul G., and Hannum.

Hansell, Clarence W.: *See*—

Usselman, George, and Hansell.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift telegraph communication. 2,395,478; Feb. 26.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Angle modulation noise squelching system. 2,395,737; Feb. 26.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillator circuit. 2,399,114; Apr. 23.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultra short wave oscillator. 2,402,397; June 18.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetron and circuit therefor. 2,409,038; Oct. 8.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electron discharge device generator. 2,412,772; Dec. 17.

Hansell, Clarence W., and O. E. Dow, Port Jefferson, N. Y., assignors to Radio Corporation of America. Pulse generator. 2,406,822; May 19.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Sensitive photocell and circuit. 2,410,732; Nov. 5.

Hansen, Albert W., Bayside, N. Y., and A. N. Benson, Des Moines, Iowa, assignors to United States Rubber Company, New York, N. Y. Method of and apparatus for treating yarn or cord. 2,398,787; Apr. 23.

Hansen, Alden, San Francisco, Calif. Business record. 2,402,282; June 18.

Hansen, Arnold A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse generator. 2,401,347; June 4.

Hansen, Arthur C., assignor to Young Iron Works, Seattle, Wash. Arch hook. 2,397,660; Apr. 2.

Hansen, Carl E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article treating apparatus. 2,401,930; June 11.

Hansen, Charles W.: *See*—

Kranick, Frank N. G., and Hansen.

Hansen, Donald W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Starch-melamine molding composition. 2,408,065; Sept. 24.

Hansen, Earl W.: *See*—

Anderson, Peter A. and E. M., Sr., Hansen, and Edwards.

Hansen, Elmer K., Tilden, Nebr. Portable elevator. 2,400,086; May 14.

Hansen, G. I., executor: *See*—

Snellford, Alfred G.

Hansen, Hans E.: *See*—

Dunlop, James, and Hansen.

Hansen, Hans H., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Electric resistance welding apparatus. 2,404,632; July 23.

Hansen, Hans H., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Welding pressure controlling apparatus. 2,412,044; Dec. 3.

Hansen, Harold, and R. Pilgr, assignors to Aluminum Goods Mfg. Co., Manitowoc, Wis. Pressure cooker. 2,399,115; Apr. 23.

Hansen, Harry, Clifton, N. J., and R. F. Mallina, Hastings on Hudson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmitting device. 2,395,269; Feb. 19.

Hansen, Jack, Everett, Wash. Can punching device. 2,406,831; Sept. 3.

Hansen, James L.: *See*—

Anderson, George D., Spencer, and Hansen.

Hansen, James W., and C. C. Cassil, Berkeley, assignors to California Spray-Chemical Corporation, Richmond, Calif. Insecticide. 2,406,294; Aug. 20.

- Hansen, Jane W.: *See*—
Hansen, Verner J. and J. W.
- Hansen, John A., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Television signal generator. 2,404,173; July 16.
- Hansen, John N.: *See*—
Britton, Edgar C. and Hansen.
- Hansen, Karl J.: *See*—
Calhoun, James C., Davidson and Hansen.
- Hansen, Lloyd D., Farwood, F. B. Harris, Nutley, A. S. Hegeman, Jr., Glen Ridge, and H. N. Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Contact fixture. 2,413,410; Dec. 31.
- Hansen, Norman, Kenvil, N. J. Ejector. 2,393,320; Jan. 22.
- Hansen, Odd A., Kenmore, assignor to The Linde Air Products Company, New York, N. Y. Transport vehicle for liquefied gas. 2,412,146; Dec. 3.
- Hansen, Siegfried: *See*—
Fraenckel, Victor H. and Hansen.
- Hansen, Siegfried, Schenectady, N. Y., assignor to General Electric Company. Wave impulse generator. 2,394,055; Feb. 5.
- Hansen, Thorwald, Duluth, assignor of one-half to O. Givold, Minneapolis, Minn. Container. 2,412,332; Dec. 10.
- Hansen, Verner J. and J. W., Arlington, Va. Curtain saver. 2,405,354; Aug. 6.
- Hansen, William W.: *See*—
Varian, Russell H. and Hansen.
- Varian, Russell H., Hansen, and Woodyard.
- Hansen, William W., Garden City, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. High frequency electron discharge apparatus. 2,392,379; Jan. 8.
- Hansen, William W., Garden City, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Concentric line measuring device. 2,404,797; July 30.
- Hansen, William W., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Phase angle indicator. 2,411,876; Dec. 3.
- Hansen, William W., Stanford University, Calif., assignor to The Board of Trustees of the Leland Stanford Junior University. Radiating electromagnetic wave guide. 2,402,622; June 25.
- Hansen, William W., and R. H. and S. F. Varian, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. High-frequency tube structure. Re. 22,795; Oct. 1.
- Hansen, William W., and S. F. and R. H. Varian, assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Electronic oscillator-detector. 2,406,370; Aug. 27.
- Hansen, William W., and R. H. and S. F. Varian, Garden City, N. Y., assignors to The Board of Trustees of Leland Stanford Junior University, Stanford University, Calif. Object detecting apparatus and method. 2,406,371; Aug. 27.
- Hansen, William W., and J. R. Woodyard, Garden City, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. High frequency apparatus. 2,406,372; Aug. 27.
- Hansen, William W., Garden City, R. H. Varian, Wantagh, and S. F. Varian, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. High-frequency tube structure and apparatus. 2,410,063; Oct. 29.
- Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersion. 2,394,608; Feb. 12.
- Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer products. 2,404,716; July 23.
- Hanslick, Roy S.: *See*—
Stamberger, Paul, Eskew, and Hanslick.
- Hanson, Albert L. and C. A. Munising, Mich. Snow plow shoe hitch. 2,403,219; July 2.
- Hanson, Alfred H., Long Beach, Calif. Safety speed boat. 2,413,227; Dec. 24.
- Hanson, Amandus, Coffeyville, Kans. Glass furnace. 2,399,116; Apr. 30.
- Hanson, Berger G., St. Charles, Ill. Windshield for motorcycles and the like. 2,411,131; Nov. 12.
- Hanson, Charles A.: *See*—
Hanson, Albert L. and C. A.
- Hanson, Edward S., Jr., Zion, Ill. Cylinder ridge grinder. 2,403,363; July 2.
- Hanson, Elmo E., Akron, and C. R. Park, Silver Lake Village, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Fuel tank. 2,404,766; July 23.
- Hanson, Ernest H., Spring Lake, A. Grierson, Muskegon, Mich., and R. L. Le Boeuf, Chicago, Ill. Steak broiler. 2,400,640; May 21.
- Hanson, Estley D., Hamilton, Ohio. Variable torque drive. 2,395,019; Feb. 19.
- Hanson, Gerald N.: *See*—
Frische, Carl A. and Hanson.
- Van Aukon, Howard C. and Hanson.
- Hanson, Gerald N., Allendale, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Air-speed regulator for aircraft. 2,391,896; Jan. 1.
- Hanson, Gerald N., Allendale, N. J., P. Halpert, Kew Gardens, and C. A. Frische, Great Neck, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic controlling means for aircraft. 2,392,381; Jan. 8.
- Hanson, Harold F.: *See*—
Jones, Maurice F. and Hanson.
- Hanson, Harold F., Wilkinsburg, and J. W. Morrow, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power-plant assembly and control. 2,404,900; July 30.
- Hanson, Oscar W., Westport, Conn., and R. E. Shelby, Teaneck, N. J., assignors to Radio Corporation of America. Frequency modulated wave receiver circuits. 2,395,738; Feb. 26.
- Hanson, Wesley T., Jr.: *See*—
Evans, Ralph M. and Hanson.
- Hantjopoulos, George, New York, N. Y. Device for salvage of ships by compressed air. 2,405,649; Aug. 13.
- Hantzsch, Ralph E., and O. C. Mudd, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Cathodic protection system. 2,402,494; June 18.
- Hapman, Henry W., Detroit, Mich. Conveyor flight. 2,406,502; May 21.
- Happe, Reynold, Pittstown, and E. P. Turner, Fanwood, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Portable electric drill. 2,396,007; Mar. 5.
- Happe, Reynold, Pittstown, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Portable electric tool. 2,405,827; Aug. 13.
- Harada, Tomio, Kalamazoo, Mich. Fastener device. 2,402,813; June 25.
- Harasta, Clarence J., assignee, et al.: *See*—
Lynn, Robert M.
- Harasta, Clarence J., assignee, et al.: *See*—
Lynn, Robert M.
- Harbaugh, Ralph W., Miles City, Mont. Current motor. 2,403,178; July 2.
- Harbeck, Henry C., Sacramento, Calif. Lavatory ventilator. 2,396,371; Mar. 12.
- Harbers, Henry C., San Gabriel, assignor to C. B. Equipment Co., Los Angeles, Calif. Motor vehicle steering mechanism. 2,392,985; Jan. 15.
- Harbers, Henry C., San Gabriel, assignor to C. B. Equipment Co., Los Angeles, Calif. Motor vehicle. 2,400,199; May 14.
- Harbert, Carl J., Shaker Heights, F. C. Ellinger, East Cleveland, and W. C. Morris, South Euclid, assignors to The Harshaw Chemical Company, Ellettsville, Ohio. Glass enamel composition. 2,397,004; Mar. 19.
- Harbert, Carl J., Shaker Heights, and W. C. Morris, South Euclid, assignors to The Harshaw Chemical Company, Ellettsville, Ohio. Glass enamel composition. 2,397,005; Mar. 19.
- Harbison, Dixon T., Fort Worth, Tex. Valve puller. 2,398,305; Apr. 9.
- Harcourt, Guy N., Buffalo, and D. B. Montgomery, Gardenville, N. Y., assignors, by mesne assignments, to Hlaw-Knox Company, Pittsburgh, Pa. Apparatus for feeding liquid to drying drums. 2,392,382; Jan. 8.
- Hard Manufacturing Company, assignee: *See*—
Drett, James H.
- Drett, James H. and Doty.
- Harder, Bernhard J., Delano, Calif. Fertilizer distributor. 2,410,937; Nov. 12.
- Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Minimum-voltage network and system. 2,393,043; Jan. 15.
- Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Quick acting voltage-regulator system. 2,393,044; Jan. 15.
- Harder, Oscar E., and A. E. Pavlish, Columbus, Ohio, assignors by mesne assignments, to Pittsburgh Crushed Steel Company, Pittsburgh, Pa. Separation of ores by the sink and float process. 2,393,160; Jan. 15.
- Hardesty, Ethridge E., Long Beach, Calif. Cable fitting. 2,397,674; Mar. 19.
- Hardesty, Eugene, New Brighton, assignor to Fuller Label & Box Company, Pittsburgh, Pa. Machine for the application of ceramic color. 2,411,269; Nov. 19.
- Hardesty, George K. C., Seat Pleasant, Md. Illuminated dial and pointer. 2,410,064; Oct. 29.
- Hardin, Edward A.: *See*—
Pinion, Thomas J.
- Harding, Frank E., assignor to Arlington Mills, Lawrence, Mass. Chaining device. 2,400,926; Mar. 28.
- Harding, James W., Marysville, Calif. Foldable gmbrel. 2,411,856; Dec. 3.
- Harding, John, Jr., Dallas, Tex. Electrically operated valve. 2,413,622; Dec. 31.
- Harding, M. R., assignee, et al.: *See*—
Bark, Robert.
- Harding, Ralph A., Eugene, Oreg. Peep sight. 2,399,638; May 7.
- Harding, William R., Export, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,413,871; Nov. 19.
- Harding, Mervyn G., Loma Linda, Calif. Self-adjusting fracture reducing device. 2,397,545; Apr. 2.
- Harding, Mervyn G., Loma Linda, Calif. Fracture plate. 2,406,832; Sept. 3.
- Harding, Albert P., assignor to Wingfoot Corporation, Akron, Ohio. New products. 2,406,886; Aug. 13.

- Hardman, Albert F., Akron, Ohio, assignor to Wingfoot Corporation. Preservation of rubber. 2,410,782; Nov. 5.
- Hardman, Albert F., Akron, Ohio, assignor to Wingfoot Corporation. Age resistors. 2,410,783; Nov. 5.
- Hardman, Albert F., Akron, Ohio, assignor to Wingfoot Corporation. Age resistors for rubber. 2,411,427; Nov. 19.
- Hardman, Kenneth V., Clifton, N. J. Bristle setting. 2,406,752; Aug. 27.
- Hardrath, Albert Jr.: *See—*
- Hardrath, Albert, Sr., and A. J. Jr.
- Hardrath, Albert, Sr., and A. J., Unity, Wis.; said A. Hardrath, Jr., assignor to said A. Hardrath, Sr. Cattle gutter guard. 2,403,525; July 9.
- Hardsoeg, Lester C., assignor to The Hardsoeg Manufacturing Company, Ottumwa, Iowa. Drive for threaded bars. 2,401,757; June 11.
- Hardsoeg Manufacturing Company, The, assignee: *See—* Hardsoeg, Lester C.
- Hardy, Charles W., Forest Hills, assignor of one-twentieth to R. L. Mazarella, South Ozone Park, N. Y. Locking structure for ladies' handbags or the like. 2,399,866; May 7.
- Hardy, Edgar E., Anniston, Ala., and G. M. Kosolapoff, Dayton, Ohio, assignors to Monsanto Chemical Company. Halogenated compounds and making same. 2,409,039; Oct. 8.
- Hardy, Elizabeth M.: *See—*
- Lecher, Hans L., Scalera, and Hardy.
- Hardy, Frank L. assignee: *See—*
- Hall, John B.
- Hardy, John: *See—*
- Kines, Albert H., Hardy, and O'Keefe.
- Hardy, John S., Los Gatos, Calif. Tray stacker. 2,407,732; Sept. 17.
- Hardy Metallurgical Company, assignee: *See—*
- Pechet, Maurice M.
- Hardy, René J., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Radio obstacle localizing apparatus. 2,400,641; May 21.
- Hardy, V. R., Wilmington, and W. R. Haeefe, Bridgeville, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Slasher sizing composition and yarns sized therewith. 2,411,522; Nov. 19.
- Hare, Donald G. C., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Radiation detector. 2,397,071; Mar. 19.
- Hare, Donald G. C., assignor to Texaco Development Corporation, New York, N. Y. Radiation detector. 2,397,072; Mar. 19.
- Hare, Donald G. C., Roslyn, assignor to The Texas Company, New York, N. Y. Radiation detector. 2,397,661; Apr. 2.
- Hare, Donald G. C., Roslyn, assignor to The Texas Company, New York, N. Y. Radiation detector. 2,398,934; Apr. 23.
- Hare, Donald G. C., and G. Herzog, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Radiation detector. 2,397,073; Mar. 19.
- Hare, Donald G. C., and G. Herzog, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Radiation detector. 2,397,074; Mar. 19.
- Hare, Donald G. C., and G. Herzog, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Radiation detector. 2,397,075; Mar. 19.
- Hare, Terence G., Saginaw, Mich., assignor to Amesbury Seat Manufacturing Company. Powered bicycle. 2,397,858; Apr. 2.
- Harford, Dwight L., Los Angeles, assignor to A. P. Johnson, Downey, Calif. Battery. 2,405,034; July 30.
- Harford, Dwight L., assignor to A. P. Johnson, Downey, Calif. Electrical switch. 2,405,035; July 30.
- Hargrett, Wilson W., Wyandotte, Mich. Ventilator. 2,403,596; July 9.
- Harker, John S.: *See—*
- Bruckner, Robert E., and Harker.
- Harkness, Joseph R., Scotia, N. Y., assignor to General Electric Company. Ignition system. 2,394,768; Feb. 12.
- Harkness, Joseph R., Schenectady, N. Y., assignor to General Electric Company. Ignition system. 2,398,635; Apr. 16.
- Harkness, Joseph R., Schenectady, N. Y., assignor to General Electric Company. Distributor. 2,399,022; Apr. 23.
- Harkness, Joseph R., Schenectady, N. Y., assignor to General Electric Company. Ignition distributor. 2,399,023; Apr. 23.
- Harkness, Joseph R., Schenectady, N. Y., assignor to General Electric Company. Fluid-tight radio shielded joint. 2,407,076; Sept. 3.
- Harkness, William J., Miami, Fla. Solar heater. 2,402,326; June 18.
- Harlamoff, Anatol J., South Gate, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Centrifugal pump. 2,406,947; Sept. 3.
- Harlan, George W., Cooper County, Mo. Sock or stocking supporter. 2,398,093; Apr. 9.
- Harless, Charles A.: *See—*
- Crafts, Curtis S., and Harless.
- Harlow, Orman M., Anaheim, assignor to Bregdex Company, Pomona, Calif. Commodity elevating and sampling apparatus. 2,404,373; July 23.
- Harlow, Walter F., Quarndon, England, assignor to Corrosion Engineering Company, Inc., New York, N. Y. Corrosion reduction in heat exchangers. 2,412,809; Dec. 17.
- Harlow, Winton G., Upper Darby, and G. A. Healis, Lansdowne, Pa., assignors to General Electric Company. Electric circuit breaker. 2,399,485; Apr. 30.
- Harlow, Winton G., Upper Darby, G. A. Healis, Lansdowne, and D. B. Lamb, Springfield, Pa., assignors to General Electric Company. Dead-front safety switch. 2,404,230; July 16.
- Harman Equipment Company, assignee: *See—*
- Harman, Gerald J.
- Harman, Gerald J., Beverly Hills, Calif., assignor to Harman Equipment Company. Liquid dispensing apparatus. 2,412,577; Dec. 17.
- Harmon, Jack B.: *See—*
- High, Le Roy B., and Harmon.
- Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composite material. 2,393,987; Feb. 5.
- Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Products. 2,396,261; Mar. 12.
- Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining 1,2-dichloro-1,1-difluoroethane. 2,399,024; Apr. 23.
- Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfluorinated cycloparaffins and producing them. 2,404,374; July 23.
- Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorination. 2,404,706; July 23.
- Harmon, Jesse, and R. M. Joyce, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur-dioxide modified tetrafluoroethylene polymer. 2,411,722; Nov. 26.
- Harmon, Ralph M., assignor to Beech Aircraft Corporation, Wichita, Kans. Shock absorber. 2,412,885; Dec. 17.
- Harnett, Daniel E., Tuckahoe, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency signal generator. 2,401,481; June 4.
- Harnischfeger Corporation, assignee: *See—*
- Andersen, Nils P. E.
- Hettelsater, Henry C.
- Harper, Carolyn L., assignee, et al.: *See—*
- Turner, George F.
- Harper, Carolyn L., Trust, assignee, et al.: *See—*
- Turner, George F.
- Harper, David Augustine: *See—*
- Baird, William, Hahgood, Harper, and Hendry.
- Harper, Elmer E., Monrovia, Calif., E. P. Harper, executrix of said E. E. Harper, deceased. Actuating means. 2,404,288; July 16.
- Harper, Elmer E., executrix: *See—*
- Harper, Elmer E.
- Harper, Lyndus E., Kansas City, Mo. Flexible tube pump. 2,412,397; Dec. 10.
- Harper, Lyndus E., assignor to Omega Machine Company, Kansas City, Mo. Variable-speed transmission. 2,404,231; July 16.
- Harper, Orvie D., Vandalia, Ill., assignor to Standard Oil Development Company. Completion of wells. 2,407,983; Sept. 24.
- Harper, Philip S., assignee, et al.: *See—*
- Turner, George F.
- Harper, Philip S., Trust, assignee, et al.: *See—*
- Turner, George F.
- Harper, Raymond L.: *See—*
- Kowski, Frank, and Harper.
- Harper, William J., Montreal, Quebec, Canada. Piston for internal-combustion engines. 2,400,503; May 21.
- Harpster, Harry H., Cleveland, Ohio, assignor to Pesco Products Co. Booster pump for aircraft fuel systems. 2,402,398; June 18.
- Harr, Russell: *See—*
- Brown, Morris, and Harr.
- Harrah, John L., Akron, Ohio. Piston for internal-combustion engines. 2,409,852; Oct. 22.
- Harrah, Russell L., Jonesboro, Ark. Combination cultivator and row thinner. 2,409,123; Oct. 8.
- Harrison, Robert W.: *See—*
- Beard, Joseph G., and Harrison.
- Harrawood, Luther A., Broughton, Ill. Fluorescent switch starter. 2,408,165; Sept. 24.
- Harrer, Paul H., and C. H. Roth, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary baler. 2,410,159; Oct. 29.
- Harries, John H. O., Clapham Park, London S. W. 4, England. Electron discharge tube. 2,396,949; Mar. 19.
- Harries, John H. O., Clapham Park, London S. W. 4, England. Electron discharge tube. 2,401,637; June 4.
- Harries, John H. O., Clapham Park, London S. W. 4, England. Construction and assembly of electron discharge tubes. 2,407,742; Sept. 17.

- Harries, Leslie, Coventry, England. Fluid-pressure engine. 2,399,486; Apr. 30.
- Harrigan, Herman K., Chevy Chase, Md., assignor to District of Columbia Paper Mills, Inc., Washington, D. C. Apparatus for applying coatings to wet material. 2,393,529; Jan. 22.
- Harrington, Eber E., Detroit, Mich. Turnbuckle safety device. 2,395,546; Feb. 26.
- Harrington, Frank W., assignee: *See*—Truesdell, Robert S.
- Harrington, Gerard A., Baltimore, Md. Sound controlled recorder and reproducer. 2,391,897; Jan. 1.
- Harrington, Michael J., Cleveland, Ohio, and S. E. Hammer, Eagleview, Pa. Bag opening and filling apparatus. 2,409,626; Oct. 22.
- Harrington, Noel F., North Hollywood, Calif. Artificial leg. 2,402,327; June 18.
- Harrington, Paul J., Mountaineer, N. J., assignor to Standard Development Company. Reducing evaporation losses. 2,406,540; Aug. 27.
- Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Aluminum base alloy containing copper and beryllium and making the same. 2,394,546; Feb. 12.
- Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Zinc base alloy containing copper and beryllium and heat-treating the same. 2,412,045; Dec. 3.
- Harrington, Valentine F., Newton, assignor to B. B. Chemical Co., Chemical Co., Boston, Mass. Temporarily covering articles. 2,410,878; Nov. 12.
- Harris, Albert B., Wayne, and G. M. Baker, Flat Rock, Mich. Locomotive draft arrangement. 2,394,173; Feb. 5.
- Harris, Alvin S., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Dolly. 2,397,315; Mar. 26.
- Harris, Arch W.: *See*—Elder, Flint C., and Harris.
- Harris, Fenner, James M., Griffiths, and Harris.
- Harris, Arthur H.: *See*—Olmsted, Russell C., and Harris.
- Harris, Asa J., Balboa, C. Z. Combined sea anchor and stabilizer for boats. 2,409,040; Oct. 8.
- Harris, Benjamin R., Chicago, Ill. Filtering of liquid material. 2,392,666; Jan. 8.
- Harris, Benjamin R., Chicago, Ill. Amino-carboxylic acid esters of monoglycerides. 2,406,329; Aug. 27.
- Harris, Benjamin R., Chicago, Ill. Chemical compounds and producing same. 2,409,275; Oct. 15.
- Harris, Bert C., Shaker Heights, assignor to The White Motor Company, Cleveland, Ohio. Motor vehicle. 2,396,506; Mar. 12.
- Harris, Charles R., Lockport, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl cyanide. 2,410,820; Nov. 12.
- Harris, Charles R., Lockport, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl cyanide. 2,413,623; Dec. 31.
- Harris, Clinton H., Ann Arbor, Mich., assignor to Argus, Incorporated. Camera shutter. 2,397,546; Apr. 2.
- Harris, Forist, Merced, Calif. Sanding drum. 2,399,923; May 7.
- Harris, Fred E.: *See*—Hansen, Lloyd D., Harris, Hegeman, and Snook.
- Harris, Frederic R., New York, N. Y. Dry dock pontoon construction. 2,412,578; Dec. 17.
- Harris, Henry C., Pittsburg, Tex. Buster gang plow. 2,407,006; Sept. 3.
- Harris, Henry H., Champaign, Ill. Support for heat-treating container and closure therefor. 2,395,182; Feb. 19.
- Harris, Herbert, Jr., Cedarhurst, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Detector. 2,397,961; Apr. 9.
- Harris, Frederic R., New York, N. Y. Hydraulic shock absorber. 2,405,502; Aug. 6.
- Harris, Helen E.: *See*—Bell, Louis N., and Harris, R. R. and H. E.
- Harris, Hubert: *See*—Ware, Lamar M., Harris, and Johnson.
- Harris, Irene, Bronx, N. Y. Display device for use in determining the shade of finger nail polish. 2,393,371; Jan. 22.
- Harris, Jesse A., West Linn, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Preparing and applying a patch for a fourdrinier wire. 2,408,422; Oct. 1.
- Harris, John L., Whitefish Bay, assignor to Perflex Corporation, Milwaukee, Wis. Float valve. 2,400,561; May 21.
- Harris, Joseph M., Gladwyne, assignor to Bentley, Harris Mfg. Co., Conshohocken, Pa. Flexible sieving. 2,393,530; Jan. 22.
- Harris, Raymond R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Hardenable urea-aldehyde resins. 2,413,624; Dec. 31.
- Harris, Richard A.: *See*—Russell, Alexander, Parker, and Harris.
- Harris, Ronald: *See*—Bell, Louis N., and Harris, R. R. and H. E.
- Harris-Seybold Company, assignee: *See*—Harrold, Charles W.
- Wood, James R.
- Woodruff, Arthur B.
- Harris-Seybold-Potter Company, assignee: *See*—Harrold, Charles W.
- Kaddeland, Christen R.
- Spiller, William R., and Barley.
- Harris and Sheldon Limited, assignee: *See*—Butler, Harold G.
- Harris, Sidney E.: *See*—Christiansen, Walter G., and Harris.
- Harris, Stanton A., Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J. Synthesis of vitamin B₆. 2,399,347; Apr. 30.
- Harris, Thaddeus N., Waverly, Ill. Automatic control valve for jet. 2,409,561; Oct. 15.
- Harris, Thomas A., Hampton, Va. Control-force reducing device. 2,405,208; Aug. 6.
- Harris Trust and Savings Bank, assignee: *See*—Lowes, William J.
- Harris Trust and Savings Bank, trustee, assignee, et al.: *See*—Turner, George F.
- Harris, Walter R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,401,154; May 28.
- Harris, William N., Atlanta, Ga. Dishwashing machine. 2,403,526; July 9.
- Harrison, Arthur E., Rockville Centre, N. Y., assignor to Sperry Gyroscope Company, Inc. Alternating current power bridge. 2,399,674; May 7.
- Harrison, Bertram M., Wellesley Hills, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,406,833; Sept. 3.
- Harrison, Bertram M., Newton Highlands, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,407,270; Sept. 10.
- Harrison, Bertram M., Newton Highlands, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling device. 2,407,661; Sept. 17.
- Harrison, Bertram M., Newton, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical circuit. 2,410,065; Oct. 29.
- Harrison, Bertram M., Newton Highlands, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,410,066; Oct. 29.
- Harrison, Bertram M., Newton Highlands, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,410,067; Oct. 29.
- Harrison, Earnest W., assignee: *See*—Thompson, George C.
- Harrison Enterprises Limited, assignee: *See*—Turner, Francis L. A.
- Harrison, Geoffrey B., R. J. Hercock, and R. G. Horner, assignors to Ilford Limited, Ilford, England. Testing of photographic films, plates, and papers. 2,393,631; Jan. 29.
- Harrison, George, Berwyn, Ill., assignor to Doehler Die Casting Company, New York, N. Y. Rod-casting machine and method. 2,405,355; Aug. 6.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanism for signal systems. 2,406,350; Aug. 27.
- Harrison, Howard R., Upper Darby, Pa., assignor to General Electric Company. Portable mounting for electric switches. 2,408,309; Sept. 24.
- Harrison, John H., Palos Verdes Estates, and H. E. Byers, Los Angeles, Calif. Valve for hose couplings. 2,409,753; Oct. 22.
- Harrison, Laurence D., Maricopa County, Ariz. Valve actuating mechanism. 2,412,487; Dec. 10.
- Harrison, Raymond B.: *See*—Beckwith, Edwin L., and Harrison.
- Harrison, Robert R., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Gang clamp. 2,394,240; Feb. 5.
- Harrison, Robert R., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Tube clamp. 2,399,183; Apr. 30.
- Harrison, Schuyler B., executor, et al.: *See*—Fulter, Frederick L.
- Harrison, Sidney H., Caldwell, N. J. Container lifting and emptying machine. 2,401,731; June 11.
- Harrison, Thomas R., Wynecote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,404,342; July 16.
- Harrison, Verne S., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Accelerometer. 2,391,966; Jan. 1.
- Harris, Lloyd J., Kenilworth, Ill. Method and apparatus for making pies. 2,411,857; Dec. 3.
- Harrold, Charles W., University Heights, Ohio, assignor to Harris-Seybold Company. Sheet feeder. 2,406,765; Sept. 3.
- Harrold, Charles W., Cleveland, Ohio, assignor to Harris-Seybold Company. Sheet feeder. 2,406,766; Sept. 3.

- Harrold, Charles W., University Heights, assignor to Harris-Seibold-Potter Company, Cleveland, Ohio. Sheet guide. 2,400,927; May 28.
- Harrold, Marshall C., assignor to General Motors Corporation, Dayton, Ohio. Motor protector. 2,412,981; Dec. 24.
- Harry Alter Company, The, assignee: See—
Schaefer, Harold W.
- Harry, Thomas, Jr.: See—
Burbank, Clifford D., and Harry.
- Harry, William R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical device. 2,404,375; July 23.
- Harry, William R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signal device. 2,405,208; Aug. 6.
- Harry, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for locating the source of an explosion wave. 2,406,014; Aug. 20.
- Harry, William R., New York, N. Y., and F. F. Romanow, Berkeley Heights, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical device. 2,404,798; July 30.
- Harry, William R., New York, N. Y., and F. F. Romanow, Berkeley Heights, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signal device. 2,404,799; July 30.
- Harsch, Raymond, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Compacting machine. 2,412,398; Dec. 10.
- Harsh, C. L., assignee: See—
Kenworthy, Max S.
- Harshaw Chemical Company, The, assignee: See—
Harbert, Carl J., Ellinger, and Morris.
Harbert, Carl J., and Morris.
King, Burnham W., Jr.
Morrison, Robert F., and Morris.
- Hart-Carter Company, assignee: See—
Waite, Ernest G.
- Hart, Edward, San Marino, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Double-casing high-pressure pump. 2,408,637; Oct. 1.
- Hart, Fred V., Lynn, and L. S. Linderoth, Jr., Marblehead, Mass., assignors by mesne assignments, to the United States of America, as represented by the Secretary of War. Gun mounting mechanism. 2,409,041; Oct. 8.
- Hart, Fred V., Lynn, J. F. D. Smith, Swampscott, and L. S. Linderoth, Jr., Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Control mechanism. 2,411,270; Nov. 19.
- Hart, Geo. B., Inc., assignee: See—
Hart, Richard C.
- Hart, George T., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. High-frequency electrode. 2,412,922; Dec. 24.
- Hart, Harold M., Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,271; Sept. 10.
- Hart, Harold M., Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Method and apparatus for radio ranging. 2,407,272; Sept. 10.
- Hart, Harold M., Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Method and apparatus for submarine signaling. 2,407,662; Sept. 17.
- Hart, Harry J., Baldwin Township, Allegheny County, Pa. Molding of plastics. 2,399,117; Apr. 23.
- Hart, Harry L.: See—
Bugg, Kenly C.
- Hart, James B., assignor to W. N. Allyn, Skaneateles, N. Y. Battery handle connector lock. 2,400,351; May 14.
- Hart, John A. H., and E. W. Lee, assignors to Ilford Limited, Ilford, England. Photographic materials. 2,400,989; May 28.
- Hart, John L., Baytown, Tex., assignor to Standard Oil Development Company. Chemical process. 2,393,531; Jan. 22.
- Hart, Laurence: See—
Clark, Thomas, Windsor, and Hart.
- Hart, Lucas P., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric apparatus. 2,407,493; Sept. 10.
- Hart, Richard C., Fairport, assignor to Geo. B. Hart, Inc., Rochester, N. Y. Greenhouse roof bar cleaning brush. 2,408,555; Oct. 1.
- Hart, Robert W., Lynn, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Method and means for distance and direction finding. 2,407,273; Sept. 10.
- Hart, Robert W., Lynn, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Method and means for distance and direction finding. 2,407,663; Sept. 17.
- Harte, Richard, assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Making shovels. 2,399,800; May 7.
- Harte, Richard, assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Making tool blades. 2,399,801; May 7.
- Harte, Richard, assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Making tool blades. 2,399,802; May 7.
- Harte, Richard, Parkersburg, W. Va., assignor to Ames Baldwin Wyoming Co. Making tool blades. 2,410,784; Nov. 5.
- Harter, C. B., assignee et al.: See—
Howard, Posy A.
- Harter, Noah S., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Hardware and screen cloth machine. 2,401,070; May 28.
- Hartford-Empire Company, assignee: See—
Berthold, Walter K.
Honiss, William T.
Merrill, Donald G.
Weber, Walter C.
- Hartford National Bank and Trust Company, assignee: See—
Labin, Edouard.
Latimer, Kenneth E.
Van Loon, Carl J.
Ziegler, Marc.
Ziegler, Marc, and Kobilsky.
Ziegler, Marc, Visscher, and Cavallero.
- Hartford National Bank and Trust Company, The, as trustee, assignee: See—
Boyle, Homer G.
Richards, Claude L.
- Hartford National Bank and Trust Company, trustee, assignee: See—
Labin, Edouard.
Verhoeff, Adrianus.
Ziegler, Marc.
- Hart, Philip E., Greenwich, Conn. Light-weight ceramic masses. 2,400,087; May 14.
- Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,412,263; Dec. 10.
- Hartley, Albert L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Flame hardening apparatus. 2,412,333; Dec. 10.
- Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Torque wrench. 2,393,681; Jan. 29.
- Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Screw driver. 2,410,971; Nov. 12.
- Hartley, George C., E. M. S. McWhirter, and J. Handley, assignors to Standard Telephones and Cables Limited, London, England. Electrical indication at a distance. 2,397,604; Apr. 2.
- Hartley, George C., L. P. Lowry, and F. H. Bray, assignors to Standard Telephones and Cables Limited, London, England. Arrangement for receiving predetermined trains of electric impulses. 2,406,834; Sept. 3.
- Hartley, John R.: See—
Thoresen, John C., and Hartley.
- Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,405,211; Aug. 6.
- Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High frequency amplifying apparatus. 2,408,423; Oct. 1.
- Hartley, Ralph V. L., and A. L. Samuel, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra-high frequency electronic device. 2,407,274; Sept. 10.
- Hartline, Haldan K.: See—
Chambers, Leslie A., and Hartline.
- Hartline, Ralph E.: See—
Jacobson, Moses G., and Hartline.
- Hartman, Carl H., New Rochelle, and E. A. Marsh and N. E. Dorrington, Oswego, assignors to St. Regis Paper Company, New York, N. Y. Apparatus for closing bags. 2,396,262; Mar. 12.
- Hartman, George W., Holland, Mich. Combination type window fixture. 2,396,572; Mar. 12.
- Hartman, Herbert G.: See—
Barker, Paul F., Hartman, Galloway, and Kunes.
- Hartman, Max, and K. Miescher, Riehen, H. Kaegi, Basel, and W. Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Pyridine-sacetic acid and derivatives thereof and preparing the same. 2,408,020; Sept. 24.
- Hartman, Paul L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,403,444; July 9.
- Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,398,374; Apr. 16.
- Hartmann, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. High voltage transformer. 2,407,420; Sept. 10.
- Hartnett, George J., Jr., Akron, and C. Ziegler, Barchert, Ohio, assignors to The Bock & Wilcox Company, Rockleigh, N. J. Machine tool. 2,396,370; Mar. 12.
- Hartom, Ora R., Chicago, Ill. Adding machine. 2,402,549; June 25.
- Hartung, Charles F., San Marino, Calif. Golf club cart. 2,411,965; Dec. 3.

- Hartung, Floyd I., Portsmouth, Va., assignor to The Bastian-Blessing Company, Chicago, Ill. Bevel cutting tip. 2,397,349; Mar. 26.
- Hartvigsen, H. A., Hanan, Scotch Plains, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Low temperature process of polymerizing iso-olefinic material. 2,407,494; Sept. 10.
- Hartwell, Ralf L., Orange, N. J., assignor to Metal Testile Corporation, West Orange, N. J. Electrical resistance and producing same. 2,396,099; Mar. 5.
- Hartwick, Louis M.: *See—*
Kinney, Selwyn P., and Hartwick.
- Hartwig, Carl E.: *See—*
Lougovoy, Boris N., and Hartwig.
- Hartwig, Carl E., Teaneck, and R. E. Roehrenbeck, Lyndhurst, N. J., assignors to Swan-Finch Oil Corporation, New York, N. Y. Core for metallic casting and composition for same. 2,405,650; Aug. 13.
- Hartwig, Charles W., New York, N. Y. Bowling alley. 2,411,789; Nov. 26.
- Hartwig, Walter J., assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Unit heater. 2,399,487; Apr. 30.
- Hartz, Hans: *See—*
Orlich, Peter, Negel, and Hartz.
- Hartz, Nelson W., Pittsburgh, Pa. Remote indicating means. 2,397,962; Apr. 9.
- Hartz, Raymond P., East Windsor, N. Y. Trouser and skirt hanger. 2,393,632; Jan. 29.
- Harvel Corporation, The, assignee: *See—*
Harvey, Mortimer T.
- Harvel Research Corporation, assignee: *See—*
Harvey, Mortimer T.
- Harvey, Mortimer T., and Caplan.
- Harvey Cory, assignee: *See—*
Blakeslee, Herbert G.
- Harvey, Douglas C., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. 2,403,717; July 9.
- Harvey, Earle M., Springfield, Mass. Automatic firearm. 2,397,963; Apr. 9.
- Harvey, James W., Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. System of pulverizing, feeding, and transporting of material. 2,403,976; July 16.
- Harvey, John F., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heater casing. 2,393,770; Jan. 29.
- Harvey, Lewis A., assignee, et al.: *See—*
Nemeth, Louis S.
- Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Compositions of matter and methods and steps of making and using the same. 2,392,589; Jan. 8.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Compositions of matter and making and using the same. 2,399,735; May 7.
- Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Resins made with lignin and heat reactive condensation products and preparing the same. 2,404,940; July 30.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Plasticized polychloroprene. 2,409,277; Oct. 15.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Compositions of matter and methods and steps of making and using the same. 2,412,264; Dec. 10.
- Harvey, Mortimer T., East Orange, N. J., assignor to Harvel Research Corporation. Compositions comprising blown terpene products and vinyl polymers and making. 2,409,276; Oct. 15.
- Harvey, Mortimer T., East Orange, N. J., assignor to Harvel Research Corporation. Rubberlike composition. 2,412,216; Dec. 10.
- Harvey, Mortimer T., South Orange, N. J., and S. Caplan, New York, N. Y., assignors to Harvel Research Corporation. Urea-formaldehyde reaction products and producing the same. 2,406,217; Aug. 20.
- Harvey, Mortimer T., South Orange, N. J., and S. Caplan, New York, N. Y., assignors to Harvel Research Corporation. Reaction condensation products of tertiary alkyl ureas and formaldehyde and producing the same. 2,406,218; Aug. 20.
- Harvey, Robert L.: *See—*
Carlson, Wendell L., and Harvey.
Carlson, Wendell L., Landon, and Harvey.
- Harvey, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Insulating and dielectric materials. 2,403,657; July 9.
- Harvey, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Tuning apparatus. 2,411,858; Dec. 3.
- Harvey, Valentine P., and J. A. Mason, Deptford, assignors to Molins Machine Company Limited, London, England. Power transmission device. 2,395,813; Mar. 5.
- Harwood, Kenneth J.: *See—*
Fourness, Charles A., and Harwood.
- Harwood, Ralph R., Detroit, Mich. Welding electrode construction. 2,411,859; Dec. 3.
- Harwood, Stanley G., San Marino, Calif. Valve structure. 2,392,319; Jan. 8.
- Hasegawa, Takao, Osaka, Japan; vested in the Allen Property Custodian. Metal sawing machine. 2,404,707; July 23.
- Haseltine, Stacy B.: *See—*
Johnson, George A., and Haseltine.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,395,967; Mar. 5.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,400,504; May 21.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and friction shock absorber. 2,401,160; Oct. 29.
- Hasenwinkle, Carl A., Bismarck, S. Dak. Safety plug-in connector. 2,408,556; Oct. 1.
- Haskelite Manufacturing Corporation, assignee: *See—*
Kloote, George E.
- Haskell, Nelson B.: *See—*
Randolph, Charles J., Jr., and Haskell.
- Haskell, Nelson B., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,406,681; Aug. 27.
- Haskins, Butler J., Fox Lake, Ill., assignor to Joseph Weidenhoff, Inc. Magneto testing. 2,402,749; June 25.
- Haskins, Robert J., Garden City, and O. E. Esval, Huntington, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic instrument. 2,412,614; Dec. 17.
- Hasler A. G. Werke Für Telephonie und Präzisionsmechanik, assignee: *See—*
Ochsenbein, Walter.
- Hassel, Manley G., Nevada City, Calif. Strainer attachment. 2,400,642; May 21.
- Hassel, Nels H., Los Angeles, Calif. Aero car and propeller construction therefor. 2,396,419; Mar. 12.
- Hasselbaum, Oscar H., assignor to Joseph Pollack Corporation, Dorchester, Mass. Ignition switch. 2,396,372; Mar. 12.
- Hasselmann, Walter C., assignor to Cook Electric Company, Chicago, Ill. Adaptor. 2,393,105; Jan. 15.
- Hasselquist, Hugo S., Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Mechanical pencil. 2,412,265; Dec. 10.
- Hasselstrom, Torsten: *See—*
Dressler, Russell G., Vivian, and Hasselstrom.
- Hasselstrom, Torsten, Savannah, Ga. Separating constituents of tall oil. 2,396,651; Mar. 19.
- Hasid, Marc J.: *See—*
Herbst, John A., and Hasid.
- Hassler, Gerald L., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Mechanism for contact printing. 2,408,310; Sept. 24.
- Hasman, Fred A.: *See—*
Nemlinger, Lester F., and Hasman.
- Hastings, Dana B., assignor to Dennison Manufacturing Company, Framingham, Mass. Paper parachute. 2,406,327; Oct. 15.
- Hastings Manufacturing Company, assignee: *See—*
Phillips, Harold P.
- Hastings, Russell J., Wellesley, assignor to Lewis-Separators Company, Watertown, Mass. Portable hoisting and transporting machine for pallets and the like. 2,393,902; Jan. 29.
- Hastings, Sam H.: *See—*
Seyfried, Wilson D., and Hastings.
- Hastings, Sam H., and B. E. Turner, Baytown, Tex., assignors to Standard Oil Development Company. Elimination of acetylens from diolefins. 2,401,758; June 11.
- Hastings, Warren B., Jr., Norfolk, Va. Removable spike plate for sport shoes. 2,395,270; Feb. 19.
- Hasty, George: *See—*
Cohen, Morris, Jorgenson, and Hasty.
- Hat Corporation of America, assignee: *See—*
Cavanaugh, John.
- Hatch, Alexander G., Rutland, Vt., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Making sealed fibre containers and closures therefor. 2,413,449; Dec. 31.
- Hatch, George B.: *See—*
Pevere, Ernest F., Clarke, and Hatch.
- Hatch, George B., and E. F. Pevere, Beacon, L. A. Clark, Fishkill, and F. H. Bruner, Beacon, N. Y., assignors to The Texas Company. Alkylation of hydrocarbons. 2,413,105; Dec. 24.
- Hatch, Lewis F., Austin, Tex., and D. E. Adelson and B. O. Blackburn, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Stabilization of butadiene. 2,402,113; June 11.
- Hatcher, Glenn B., Tulsa, Okla. Marble runway. 2,409,410; May 14.
- Hatfield, Arthur W., assignor to Crane Co., Chicago, Ill. Testing device. 2,403,859; July 9.
- Hatfield, William H., assignor to Firth-Vickers Stainless Steels Limited, Sheffield, England. Alloy steel. 2,402,814; June 25.
- Hathaway, Albert M., assignor to Johnston Brothers, Minneapolis, Minn. Vibration eliminator for service cords and conductors of electrical apparatus. 2,396,847; Mar. 19.

- Hathaway, Chester A., Santa Monica, Calif. Scoring device. 2,402,525; June 18.
- Hathaway, Claude M., Denver, Colo. Oscillograph galvanometer. Re. 22,759; May 21.
- Hathaway, Claude M., Denver, Colo., assignor to Hathaway Instrument Company. Galvanometer. 2,410,379; Oct. 29.
- Hathaway Instrument Company, assignee: See—Hathaway, Claude M.
- Hathaway, Madeleine P., et al., executors: See—Perkins, Hiram A.
- Hathaway, William G., West Haven, assignor to United Advertising Corporation, New Haven, Conn. Apparatus for removing burrs from tubes and the like. 2,395,624; Feb. 26.
- Hathorne, Berkeley L., Delray Beach, Fla., and R. W. Seem, U. S. Army, assignors to Crepe de Chine, Inc. Artificial yarn and producing the same. 2,411,132; Nov. 12.
- Hattan, Mark, Dayton, Ohio. Self-locking nut. 2,402,159; June 18.
- Hattan, Mark, Dayton, Ohio. Fastener assembly. 2,410,441; Nov. 5.
- Hauck, Paul A.: See—Herzog, Carl, and Hauck.
- Hauck, Thomas F., Roscoe, Calif. Accessory to turn-buckle wrench. 2,403,718; July 9.
- Haufe, Walfrid: See—Heuch, Warner, and Haufe.
- Haug, John S., Philadelphia, Pa., assignor to United Engineers & Constructors, Inc. Air admission to gas generator. 2,397,138; Mar. 26.
- Haughton Elevator Company, The, assignee: See—Turner, Floyd F.
- Hauptman, Frederic F., Rego Park, N. Y., assignor to Square D Company, Detroit, Mich. Measurement of material in containers. 2,400,411; May 14.
- Haur, Vernon E.: See—Ballard, Seaver A., and Haur.
- Haur, Vernon E., El Cerrito, and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Capillary active salts. 2,402,495; June 18.
- Hauser, Edward: See—Jackson, Maurice M., and Hauser.
- Hauser, Ernst A., and E. M. Dannenberg, Cambridge, Mass., assignors to Research Corporation, New York, N. Y. Molding composition, molded product, and making. 2,401,348; June 4.
- Hauserman, E. F., Company, assignee: See—Sidney, Charles W.
- Haushalter, Fred L., Akron, Ohio. Apparatus for grounding track laying apparatus. 2,396,848; Mar. 19.
- Haushalter, Fred L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cushion tire. 2,393,161; Jan. 15.
- Haushalter, Fred L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Track for vehicles. 2,402,042; June 11.
- Hausler, George M., Ballston Lake, N. Y., assignor to General Electric Company. Electric switch. 2,400,754; May 21.
- Hausler, George M., Ballston Lake, N. Y., assignor to General Electric Company. Switch operating mechanism. 2,404,633; July 23.
- Hausman, Walter J., Washington, D. C., assignor to Burrell Machine Company, Incorporated, Wilmington, Del. Variable spacing mechanism for key operated printing machines. 2,411,723; Nov. 26.
- Hauswirth, Vernon O.: See—Zink, William L., and Hauswirth.
- Haux, Elmer H., Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. High capillary bristle. 2,408,718; Oct. 1.
- Hauzvik, Zdenek J., Gary, Ind. Combination gas and liquid fuel burner. 2,412,579; Dec. 17.
- Hazel, Arthur, Alton, Ill. Laying and making the same. 2,405,304; Aug. 6.
- Havel, Victor, Northbrook, Ill. Self-standing cutout. 2,395,118; Feb. 19.
- Havemann, Eric, assignor to Burton-Dixie Corporation, Chicago, Ill. Production of modified feathers. 2,395,271; Feb. 19.
- Havens, Glenn G.: See—Mooney, Melvin, Grabbe, and Havens.
- Havens, Richard, Salt Lake City, Utah, assignor to United States of America, as represented by the Secretary of the Interior. Fresh flotation of chromite with fluoride. 2,412,217; Dec. 10.
- Hawes, Albert H., Erdington, assignor to C. Bryant & Son Limited, Birmingham, England. Form for the construction of concrete walls, beams, and the like. 2,396,174; Mar. 5.
- Hawk, Carson E.: See—Walker, Kenneth J., and Hawk.
- Hawkins, Edgar M., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for manufacturing optical prisms. 2,394,610; Feb. 12.
- Hawkins, Eugene R., Compton, Calif. Life saving device. 2,408,166; Sept. 24.
- Hawkins, Lester A., Grove Court, Ill. Seed potato cutting machine. 2,401,931; June 11.
- Hawkins, Paul E., Lakewood, assignor to The Baker-Rauland Company, Cleveland, Ohio. Steering gear for vehicles. 2,411,570; Nov. 26.
- Hawkinson, Paul E., assignor to P. E. Hawkinson Company, Minneapolis, Minn. Tire buffing machine. 2,392,667; Jan. 8.
- Hawkinson, Paul E., Company, assignor: See—Hawkinson, Paul E.
- Hawley, Jesse B., assignee: See—Sloan, Edward C.
- Hawley, John B., Jr., Minneapolis, Minn. Apparatus for blowing out wells. 2,395,119; Feb. 19.
- Hawley, Thomas G., Jr., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Making porous coated fabrics. 2,400,990; May 28.
- Hawn, Ralph A., and I. W. Lacher, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Dimpling tool. 2,400,412; May 14.
- Haworth, John W.: See—Avelon, Anthony W. D., Bergel, and Haworth.
- Haworth, Franz, Cohen, and Haworth.
- Haworth, Joseph P., Westfield, N. J., assignor, by mesne assignments, to Jacco, Incorporated. Cured polymers. 2,393,321; Jan. 22.
- Hawthorne, Charles W., Conneautville, Pa., assignor to Morgan Construction Company, Worcester, Mass. Shading apparatus. 2,394,639; June 4.
- Hawthorne, Charles W., and G. P. Malm, assignors to Morgan Construction Company, Worcester, Mass. Switching mechanism. 2,396,787; Mar. 19.
- Hawthorne, Louis A., Hillside, and E. R. Powell, North Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Fibering apparatus. 2,398,707; Apr. 16.
- Hawthorne, Wendell P.: See—Woodward, Robert E., Hawthorne, and Meadow.
- Hawthorne, Wendell P., Venonah, N. J., assignor to Socony Vacuum Oil Company, Incorporated. Catalytic hydrocarbon reactions. 2,403,922; July 16.
- Hay, Charles N., San Diego, Calif., assignor to The American MonoRail Company, Cleveland, Ohio. Article handling device. 2,399,547; Apr. 30.
- Hayden, Edward, Windsor, Ontario, Canada. Miniature sectional building construction. 2,407,927; Sept. 17.
- Hayden, Kenneth F., and P. D. Valas, Woodbury, and H. G. Daley, Woodbury Heights, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Drying of hydrogels. 2,397,350; Mar. 26.
- Hayes, Harvey C., Washington, D. C. Sound receiver. 2,404,764; July 23.
- Hayes, Harvey C., Washington, D. C. Directive transceiver for sound. 2,406,767; Sept. 3.
- Hayes, Harvey C., Washington, D. C. Acoustic wave generating or receiving apparatus. 2,411,541; Nov. 26.
- Hayes, Harvey C., Washington, D. C., and S. L. Quimby, New York, N. Y. Detecting device. 2,396,699; Mar. 19.
- Hayes, Harvey C., and H. L. Saxton, Washington, D. C. Driver for electroacoustic transducers. 2,405,375; Aug. 13.
- Hayes Industries, Inc., assignee: See—Hollerith, Charles.
- Le Jeune, Frank H.
- Hayes, James C., Shelbyville, Tenn. Business management analyzer. 2,393,162; Jan. 15.
- Hayes, James H., assignee: See—Paluszek, Adam J.
- Hayes, Malcolm L.: See—Demb, Kenneth, and Hayes.
- Hayes, Norman W., and W. B. Humes, Boston, Mass., assignors to National Research Corporation, Boston, Mass. Desiccation method and apparatus. 2,406,682; Aug. 27.
- Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Templet. 2,412,147; Dec. 3.
- Hayes Track Appliance Company, assignee: See—Hayes, Stanley W.
- Hayes, William F., Detroit, Mich. Composition panel board. 2,405,423; Aug. 6.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,814; Mar. 5.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,815; Mar. 5.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,816; Mar. 5.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,817; Mar. 5.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,818; Mar. 5.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,819; Mar. 5.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,820; Mar. 5.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,821; Mar. 5.

- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,822; Mar. 5.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,395,823; Mar. 5.
- Hayhurst, Thomas S., Belle Harbor, N. Y., assignor to M. Nydegger, Summit, N. J. Knitting machine. 2,401,732; June 11.
- Hayman, Charles M., Brooklyn, N. Y. Gyroscopic steering mechanism. 2,403,658; July 9.
- Haynes, Robert, San Francisco, Calif. Mounting for switches and the like. 2,406,295; Aug. 20.
- Haynes, Robert L., Indianapolis, Ind., assignor to Radio Corporation of America. Variable filtering and timing method and system. 2,396,507; Mar. 12.
- Haynes Sellite Company, assignee: See—
Kreag, Malcolm G.
- Haynes Stellite Company, assignee: See—
Metzger, Claude W., and Snetcher.
- Hays Corporation, The, assignee: See—
Burns, Frank D.
- Hays, James B., Jr., Summit, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Object locating system. 2,408,395; Oct. 1.
- Hays, Noble E.; See—
Hoover, George R., and Hays.
- Hays, Robert F., Jr., Syosset, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Signal amplifier. 2,399,675; May 7.
- Hays, Robert F., Jr., Syosset, N. Y., assignor to Sperry Gyroscope Company, Inc. Radio scanning apparatus. 2,407,275; Sept. 10.
- Hays, Russell R., Lawrence, Kans. Helicopter. 2,402,043; June 11.
- Hays, Russell R., Lawrence, Kans. Control means for helicopters. 2,413,625; Dec. 31.
- Hays, Thomas W., Salt Lake City, Utah, assignor to The Union Switch and Signal Company, Swissvale, Pa. Remote control system. 2,402,399; June 18.
- Haytlett, Lamar E., Kenmore, and F. H. Osborne, Snyder, N. Y., assignors to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Remote-control apparatus. 2,400,088; May 14.
- Hayter, Bruce; See—
Breese, James L., and Hayter.
- Hayter, Bruce, assignor to Oil Devices, Santa Fe, N. Mex. Hydroxylating pot type burner. 2,405,212; Aug. 6.
- Hayter, Bruce, Santa Fe, N. Mex., and S. Perry, Chicago, Ill., assignors to Oil Devices, Santa Fe, N. Mex. Horizontal pot type burner. 2,393,248; Jan. 22.
- Hayward, John T., Tulsa, Okla. Mechanism for measuring the movements of drilling tools and pipe. 2,395,407; Feb. 26.
- Hayward, John T., Tulsa, Okla. Apparatus for use in logging wells. 2,404,132; July 16.
- Hayward, John T. and E. H. Cooley, assignors to Engineering Laboratories, Incorporated, Tulsa, Okla. Well survey apparatus. 2,396,420; Mar. 12.
- Hayward, Raymond W., Stephenson, Mich. Manure fork. 2,398,585; Apr. 16.
- Hayward, Roger, Pasadena, Calif. Device for grinding and polishing surfaces. 2,399,924; May 7.
- Hayward, Roger, Pasadena, Calif. Apparatus for surface generation. 2,403,659; July 9.
- Hayward, Roger, Pasadena, Calif. Optical system for cameras. 2,403,660; July 9.
- Haywood, Gerald, Westernport, Md., and W. M. Welton, Piedmont, W. Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Producing alkaline earth metal sulfates and product thereof. 2,413,321; Dec. 31.
- Hazel, Ernest Jr., Atchison, Kans. Producing loose-leaf binders. 2,396,008; Mar. 5.
- Hazlett, Clarence W., Greenwich, Conn. Metalworking process and apparatus. 2,408,514; Oct. 1.
- Hazletine, Alan, Maplewood, N. J., assignors to The Gray Manufacturing Company, Hartford, Conn. Electro-magnetic sound recorder and reproducer. 2,400,305; May 14.
- Hazletine Corporation, assignee: See—
Case, Nelson P.
Curtis, Leslie F.
Hurst, William M.
Lewis, Harold
Loughren, Arthur V.
- Hazeltine Research, Inc., assignee: See—
Bailey, William F.
Craib, James F.
Di Toro, Michael J.
Farrington, John F.
Fedotoff, Nicholas V.
Hansen, John A.
Harnett, Daniel E.
Hergenrother, Rudolf C.
Horsington, David B.
Johnson, John K.
Johnson, John K., and Wheeler.
Lawrence, Richard B.
Lewis, Harold M.
Loughlin, Bernard D.
- Hazeltine Research, Inc., assignee: See—Continued
Loughline, Bernard H., and Craib.
Loughren, Arthur V.
Rado, John A.
Wheeler, Harold A.
Wilson, John C.
- Head, Carlos S.; See—
Clark, Hiram S., and Head.
- Heagney, Walter J., assignor to The Parker Pen Company, Jonesville, Wis. Fountain pen filling unit. 2,406,330; Aug. 27.
- Heal, Ralph E.; See—
Folkers, Karl, Rogers, and Heal.
- Heald, E. Clifford, assignee: See—
Hall, Charles V.
- Heald, Raymond E., Plainfield, Ind. Double-acting engine. 2,404,906; July 30.
- Healis, George A.; See—
Harlow, Winton G., and Healis.
- Healy, C. Walter, assignee: See—
Smith, Iris M.
- Healy, Emmett, assignor to The Parker Pen Company, Jonesville, Wis. Fountain pen. 2,404,063; July 16.
- Healy, John J., Brookline, M. E. Taylor, Stoneham, and F. A. Abbiati, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Picking steels. 2,408,424; Oct. 1.
- Heany Industrial Ceramic Corporation, assignee: See—
Heany, John A.
- Heany, John A., New Haven, Conn. Vitreous cellular materials. 2,399,225; Apr. 30.
- Heany, John A., New Haven, Conn., assignor to Heany Industrial Ceramic Corporation, Rochester, N. Y. Sandblast nozzle. 2,395,479; Feb. 26.
- Heard, Joseph R., Jr., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Corrosion inhibitor. 2,401,733; June 11.
- Heard, Joseph R., Jr., New York, N. Y., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Dichlorides of the ethylene series. 2,403,977; July 16.
- Heard, Llewellyn; See—
Baile, James C., Heard, and Shankland.
- Hearne, George W.; See—
Yale, Harry L., and Hearne.
- Hearne, George W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Halogenation of unsaturated organic compounds. 2,399,458; Apr. 30.
- Hearne, George W., Berkeley, M. L. Adams, Lafayette, and J. W. Bula, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic oxidation of ketones. 2,393,532; Jan. 22.
- Heatbath Corporation, assignee: See—
Dufault, Homer D.
- Heater, Charles L., assignor to American Steel Foundries, Chicago, Ill. Railway car. 2,410,580; Nov. 5.
- Heath, Charles F., Schenectady, N. Y., assignor to General Electric Company. Combustion unit. 2,403,860; July 9.
- Heath, Edward H.; See—
Santini, Danilo, and Heath.
- Heath, Robert L., G. A. Fisher, Jr., and T. R. Holbrook, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Stripping lead from bearings. 2,408,931; Oct. 8.
- Heath, Samuel and W. E. Greenlee, Philadelphia, Pa. Hoelery drier. 2,405,746; Aug. 13.
- Heath, Sheldon B., and F. R. Minger, assignors to The Dow Chemical Company, Midland, Mich. Recovery of magnesium compounds. 2,398,743; Apr. 16.
- Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric welding. 2,401,243; May 28.
- Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric flash welding. 2,403,076; July 2.
- Heaton, Herman C., Chicago, Ill. Rotary helical fluid unit. 2,397,139; Mar. 26.
- Heaton-Armstrong, Louis J., assignor to Standard Telephones and Cables Limited, London, England. Radio guiding system. 2,393,903; Jan. 29.
- Heaton-Armstrong, Louis J., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Antenna system. 2,397,261; Mar. 26.
- Heavens, E. M., assignee: See—
Huge, Henry M.
- Hebard, Hugh C., Northwood, England. Fuse. 2,400,002; May 7.
- Hebard, Hugh C., Greenford, England. Liquid fuel burner of the pressure type. 2,402,133; June 13.
- Hebard, Hugh C., Greenford, England, assignor to The Mantle Lamp Company of America, Chicago, Ill. Pre-heater for liquid fuel burners of the pressure type. 2,402,139; June 18.
- Hebeker, Edward S., Williamsville, N. Y., assignor, by mesne assignments, of one-half to Unit Rays, Inc., Cleveland, Ohio. Remote control for welding apparatus. 2,400,992; May 28.
- Hebeler, Edward S., Williamsville, N. Y., assignor of one-half to Unit Rays, Inc., Cleveland, Ohio. Welder's mask or helmet. 2,400,993; May 28.

- Heberlein Patent Corporation, assignee: *See—*
Hentrich, Winfrid, and Hueter.
Weiss, Ernst.
- Hebert, Eucharist H., Plaquemine, La. Apparatus for unearthing pipe and the like. 2,396,849; Mar. 19.
- Hechenbleikner, Ingenium, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Halogen substituted acetonitriles. 2,394,912; Feb. 12.
- Hechenbleikner, Ingenium, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Aromatic substituted methyl alkyl ethers as insecticides. 2,411,428; Nov. 19.
- Hecht, George, Astoria, and A. A. Lundstrom, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave generator. 2,391,967; Jan. 1.
- Heckendorn, Alphonse: *See—*
Felix, Friedrich, and Heckendorn.
- Heckert, Frederick W.: *See—*
Curtis, Russell R., and Heckert.
- Heckert, Frederick W., assignor to Curtis Pump Company, Dayton, Ohio. Booster pump and tank assembly. 2,395,661; Feb. 26.
- Heckert, Winfield W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated armor plate structure. 2,399,184; Apr. 30.
- Heckethorn, John E., Denver, Colo. Feeding and ejecting device for centerless grinders. 2,412,730; Dec. 17.
- Heckethorn Manufacturing & Supply Co., assignee: *See—*
Heckethorn, William W.
- Heckethorn, William W., assignor to Heckethorn Manufacturing & Supply Co., Littleton, Colo. Automatic drill press feeder. 2,394,769; Feb. 12.
- Hedman, John A., Elmhurst, Ill., assignor to J. F. Barnes, trustee. Cabinet for disks and the like. 2,402,044; June 11.
- Hedberg, Albert F., and E. Colbert, assignors to Crane Co., Chicago, Ill. Compensating chuck. 2,400,755; May 21.
- Hedberg, Carl W. J., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Air cleaning plant. 2,409,563; Oct. 15.
- Hedding, Linnie K., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Regulating apparatus. 2,399,185; Apr. 30.
- Heddeson, Fred A., and C. W. Weilerich, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Commutator construction. 2,408,210; Sept. 24.
- Heddon's, James, Sons, assignee: *See—*
William, Walter.
- Hedge, Herbert F., South Benfleet, England. Dry-battery torch or flash lamp. 2,401,349; June 4.
- Hedgecock, Stanley, Wood Green, assignor to Laysall Engineering Company Limited, London, England. Apparatus for controlling power transmission systems. 2,408,638; Oct. 1.
- Heddes, Edward G., Newark, N. J. Cleaner for beer dispensing systems. 2,413,626; Dec. 31.
- Hedges, Lee M., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Filter. 2,409,278; Oct. 15.
- Hedgen, Charles A., Lansing, Mich., assignor, by decree of distribution, to Isabella Hedglen. Tractor. 2,400,505; May 21.
- Hedglen, Isabella, by decree of distribution, assignee: *See—*
Hedglen, Charles A.
- Hedger, Ernst, assignor to The Carborundum Company, Niagara Falls, N. Y. Electric arc heating. 2,398,427; Apr. 16.
- Hedin, Oscar C., Cleveland Heights, assignor to The Weldon Tool Company, Cleveland, Ohio. Device for precision drawing. 2,397,109; Mar. 26.
- Hedin, Uno C., assignor, by mesne assignments, to H. E. Bucklen, Jr., Elkhart, Ind. Mercury relay. 2,393,904; Jan. 29.
- Hedrick, Clarence E., Newton, Kans. Poultry feeder. 2,397,484; Apr. 2.
- Hedrick, Gale H., assignor to Maremont Automotive Products, Inc., Chicago, Ill. Muffler. 2,398,758; Apr. 23.
- Hedman, Daniel, assignor to F. H. Green, Los Angeles, Calif. Liquid level indicator. 2,398,375; Apr. 16.
- Heenan & Froude Limited, assignee: *See—*
Walker, George H.
- Heer, Jules: *See—*
Miescher, Karl, and Heer.
- Heeter, C. M., Sons & Co., Inc., assignee: *See—*
Heeter, Colonel C.
- Heeter, Colonel C., Butler, Pa. Lathe chuck. 2,409,680; Oct. 22.
- Heeter, Colonel C., assignor to C. M. Heeter, Sons & Co., Inc., Butler, Pa. Vacuum sand pump for wells. 2,401,871; June 11.
- Heffelfinger, Glen B.: *See—*
Wilson, Ellis C., Stock, and Heffelfinger.
- Heffelfinger, Robert D., assignor to Hamilton Watch Company, Lancaster, Pa. Observation box for timing watches. 2,395,328; Feb. 19.
- Heffner, Nathan, Brooklyn, and S. O. Heffner, Great Neck, N. Y. Escape hatch. 2,396,508; Mar. 12.
- Heffner, Nathan, Brooklyn, and S. O. Heffner, Great Neck, N. Y. Latch for escape hatches. 2,402,935; June 25.
- Heffner, Simon O.: *See—*
Heffner, Nathan and S. O.
- Hegan, Horace J., Coventry, and E. H. Sharples, Kenilworth, assignors to Courtaulds Limited, London, England. Treatment of cellulosic textile materials. 2,411,429; Nov. 19.
- Hegeman, Andrew S., Jr.: *See—*
Hansen, Lloyd D., Harris, Hegeman, and Snook.
- Hegener, William, Sarasota, Fla. Animal cage. 2,410,879; Nov. 12.
- Heglaw, Vincent E.: *See—*
Day, William P., J. J., and W. P., Jr., and Heglaw.
- Heglund, Carl E.: *See—*
Holton, George E., Heglund, and Manson.
- Hegy, Louis, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Remote control actuator. 2,392,520; Jan. 8.
- Hehr, Frederick G., Santa Monica, Calif. Portable excavating and ejecting machine. 2,413,561; Dec. 31.
- Heidenthal, Warren C., Middletown, assignor to American Brake Shoe Company, New York, N. Y. Railroad track equipment. 2,398,939; Apr. 23.
- Height, Lewis H., Eagle Rock, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Retractable landing gear. 2,405,651; Aug. 13.
- Heigs, Henry E., East Orange, assignor to Specialties Development Corporation, Bloomfield, N. J. Inflation device. 2,403,436; July 9.
- Heigis, Henry E., Nutley, assignor to Specialties Development Corporation, Bloomfield, N. J. Tank purging apparatus. 2,406,373; Aug. 27.
- Heijl, John J., Stratford, and J. A. Wilson, Linden, N. J., assignors to Standard Oil Development Company, Apparatus for investigating absorption spectra of substances. 2,404,064; July 16.
- Heijn, Paul: *See—*
Osterberg, Harold, and Heijn.
- Osterberg, Harold, Pride, and Heijn.
- Heijn, Paul C., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Optical instrument for examining polarized light. 2,409,853; Oct. 22.
- Heil Co., The, assignee: *See—*
French, Henry C.
- French, Henry C., and Kuehlman.
- Heil, Joseph F., and Samuels.
- Kuehlman, Norman.
- Kuehlman, Norman V., and French.
- Heil, Joseph F., and A. H. Samuels, assignors to The Heil Co., Milwaukee, Wis. Refuse body. 2,406,015; Aug. 20.
- Heil, Theodore, Berkeley, Calif. Toy. 2,408,141; Sept. 24.
- Heilbronner, Harry S., Perry, N. Y. Garment. 2,410,212; Oct. 29.
- Heilmann, Joseph R., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Toaster casing structure. 2,407,984; Sept. 24.
- Heilmann, Ross V., Detroit, assignor to Wall Wire Products Company, Plymouth, Mich. Brush guard and making same. 2,396,652; Mar. 19.
- Heim Company, The, assignee: *See—*
Heim, Lewis R.
- Heim, Lewis R., assignor to The Heim Company, Fairfield, Conn. Rod end bearing and making the same. 2,400,506; May 21.
- Heimbach, Newton: *See—*
Dersch, Fritz, and Heimbach.
- Hein, Carl C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reduction of leakage current in cuprous-oxide rectifiers. 2,394,056; Feb. 8.
- Hein, Clarence A., Denver, Colo. Block sander. 2,400,928; May 28.
- Hein, Clarence A., Denver, Colo. Cabinet finishing tool. 2,400,929; May 28.
- Hein, George N., San Carlos, Calif. Syringe with adjustable piston construction. 2,394,687; Feb. 12.
- Heinecke, Frieda: *See—*
Heinecke, William and F.
- Heinecke, William and F., Verona, N. J., assignors to The Di-Noc Manufacturing Company, Cleveland, Ohio. Transfer material. 2,409,564; Oct. 15.
- Heinemann, Heinz: *See—*
La Lande, William A., Jr., and Heinemann.
- Heinrich, John V., Allentown, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y. Rubber spring mounting. 2,407,236; Sept. 10.
- Heinrich, Alwin: *See—*
Carlsen, Viggo, and Heinrich.
- Carlsen, Viggo, Heinrich, and Ballou.
- Heinrich, Robert O., Racine, Wis. Vise lock. 2,392,820; Jan. 15.
- Heins, Harold: *See—*
Biggs, Orrick H., and Heins.
- Heintz, Albert J., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for riveting. 2,393,771; Jan. 29.
- Heintz & Kaufman, Ltd., assignee: *See—*
Pockman, Leonard T.

- Heintz Manufacturing Company, assignee: *See*—
Green, Samuel G., D'Ardenne, Meinel, and De Vore.
- Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Sleeve valve engine. 2,401,932; June 11.
- Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Engine. 2,411,571; Nov. 26.
- Heintz, Ralph M., Cleveland, and J. F. Steigerwald and L. D. Cahill, Shaker Heights, assignors, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Single purpose machine. 2,397,351; Mar. 26.
- Heintzelman, Leo A., Grand Rapids, Mich. Moisture remover. 2,402,140; June 18.
- Heinz, Otto W., Los Angeles, Calif. Water goggles. 2,393,533; Jan. 22.
- Heinz, Winfield B.: *See*—
Butterworth, Harry W., Jr. and Heinz.
Gale, Shirley I., Moran, and Heinz.
- Heinzen, Harry R.: *See*—
Fike, Charles H., and Heinzen.
- Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating device. 2,406,016; Aug. 20.
- Heist, Charles H., Buffalo, N. Y., assignor to National Steel Corporation. Metallurgical process. 2,537,262; Mar. 26.
- Heitcheue, Regis D., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerating apparatus. 2,401,827; June 11.
- Heitman, Clarence H., University City, Mo. Hinge for shoe lasts. 2,391,968; Jan. 1.
- Heitz, Robert: *See*—
Allen, Glenn L., Jr., Heitz, and Henderson.
Heitzman Safety Blasting Plug Corp., assignee: *See*—
Lubelsky, Benjamin L., and Walburn.
- Heizer, Edward J., West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Gun charger. 2,411,877; Dec. 3.
- Hekman, Jelle, Grand Rapids, assignor to Dutch Tea Rusk Company, Holland, Mich. Article handling apparatus. 2,395,682; Jan. 29.
- Helbein, William, New York, N. Y. Display case for wrist watches and the like. 2,410,161; Oct. 29.
- Helbronner, André: *See*—
Bergier, Jacques, Eskenazi, and Helbronner.
- Helbush, Herman H., assignee: *See*—
Wallace, Frank C.
- Held, Hans: *See*—
Co. Weiss, John, and Held.
- Helders, Richard C.: *See*—
King, Edward F.
- Helding, Gustave, Chicago, Ill. Grinding wheel dressing device. 2,392,668; Jan. 8.
- Helgeson, Sten, Renville, Minn. Wrench. 2,409,627; Oct. 22.
- Helle, Delbert V., Farmington, Ill. Hoist. 2,392,986; Jan. 15.
- Heller, Douglas M.: *See*—
Bligh, Norman, Heller, Stenning, and Chubb.
- Heller, Ferdinand: *See*—
Douty, Alfred, and Heller.
- Heller, Harold S., Cleveland Heights, Ohio. Stapling machine. 2,409,854; Oct. 22.
- Heller, John, assignee et al.: *See*—
Kreidl, Ignaz and W.
- Hellmann, Jay T., Chicago, Ill. Safety razor. 2,395,272; Feb. 19.
- Hellmann, Reinhard K.: *See*—
Keinath, George, and Hellmann.
- Hellmann, Reinhard K., assignor to Connecticut Telephone & Electric Division, Great American Industries, Incorporated, Meriden, Conn. Recording apparatus. 2,401,350; June 4.
- Hellstrom, Sven B., Grosse Pointe Farms, assignor to Detroit Tap & Tea Company, Detroit, Mich. Tap reconditioning machine. 2,393,372; Jan. 22.
- Helmers, Carl J.: *See*—
Schulze, Walter A., and Helmers.
- Helmore, William, Cambridge, England. Air intake pipe for motor watercraft. 2,413,350; Dec. 31.
- Helms, James G., assignee: *See*—
Wilkinson, Charles W.
- Helsten, Wesley A.: *See*—
Tack, Carl E., and Helsten.
- Heltzel, John N., Warren, Ohio. Dowel and shear plate installing device for road building machines. 2,399,025; Apr. 23.
- Helvar, Charles M., St. Vital, Manitoba, Canada. Air draft timing and volume control. 2,407,743; Sept. 17.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,410,653; Nov. 5.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Airplane weighing apparatus. 2,410,654; Nov. 5.
- Hemmeter, George T., Berkeley, Calif., assignor to the United States of America, as represented by the Secretary of Agriculture. Device for peeling agricultural products. 2,403,923; July 16.
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Chemical process. 2,397,352; Mar. 26.
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Chemical process. 2,397,485; Apr. 2.
- Hemp, Paul L., assignor to General Inventions Corporation, Rochester, Minn. Platform carrier for automobiles. 2,394,447; Feb. 5.
- Hempel, Herbert, deceased, by H. K. Hempel, administrator, Essex, assignor to Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Salted fish. 2,397,547; Apr. 2.
- Hempel, Herbert K.: *See*—
Hempel, Herbert.
- Hemphill Company, assignee: *See*—
Cloutier, Arthur N.
Fregocille, Oscar.
St. Pierre, Eugene.
Smith, Norman H.
- Hemphill, Lawrence F., Fort Wayne, Ind., assignor to General Electric Company. Electric brake. 2,396,950; Mar. 19.
- Hemphill, William B.: *See*—
Shimek, Edwin J., and Hemphill.
- Hendel, Joseph A., and M. J. Stupelli, New York, N. Y. Shock absorber for hydraulic systems. 2,407,276; Sept. 10.
- Henderson, Albert, Edgewood, assignor to W. P. Witherow, Pittsburgh, Pa. Precast reinforced concrete member. 2,396,045; Mar. 5.
- Henderson, Albert, Edgewood, assignor to W. P. Witherow, Pittsburgh, Pa. Precast concrete members. 2,413,562; Dec. 31.
- Henderson, Algo D., assignee, et al.: *See*—
Bean, Larifa L.
- Henderson, Bryan J., assignor of one-half to John G. Murdoch & Company Limited, London, England. Selective signal receiving circuit. 2,411,031; Nov. 12.
- Henderson, George: *See*—
Allen, Glenn L., Jr., Heitz, and Henderson.
Henderson, George C., Detroit, Mich. Monorail trolley. 2,404,376; July 23.
- Henderson, Joseph E., Seattle, Wash., and R. B. Jones, Verona, N. Y., said Henderson assignor to the United States of America, as represented by the Secretary of Navy, and said Jones assignor to Radio Corporation of America. Phototubes and manufacture. 2,404,343; July 16.
- Henderson, Jude H., Clearfield, Utah. Scaffold construction. 2,399,436; Apr. 30.
- Henderson, Kenneth L., and E. F. De Mers, Irondequoit, assignors to Stromberg-Carlson Company, Rochester, N. Y. Coaxial bushing. 2,411,656; Nov. 26.
- Henderson, Lawrence M.: *See*—
Schindler, Hans, and Henderson.
- Henderson, Lawrence M., Winnetka, and W. G. Annable, Mundelein, assignors to The Pure Oil Company, Chicago, Ill. Preparing lubricating oils. 2,397,662; Apr. 2.
- Henderson, Wallace M., Stepps, Scotland, assignor to Aveling-Barford Limited, Grantham, England. Trench excavator. 2,411,210; Nov. 19.
- Hendey, George A., Rome, N. Y. Safety lock for firearms. 2,401,482; June 4.
- Hendley, James A., assignor to The Russell Manufacturing Company, Middletown, Conn. Tape construction. 2,395,869; Mar. 5.
- Hendley, James A., assignor to The Russell Manufacturing Company, Middletown, Conn. Corded tape. 2,408,850; Oct. 8.
- Hendley, James A., assignor to The Russell Manufacturing Company, Middletown, Conn. Textile webbing. 2,410,028; Oct. 29.
- Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash receiver. 2,398,936; Apr. 23.
- Hendricks, Robert: *See*—
Williams, Lloyd, Wright, and Hendricks.
- Hendrickson, James M.: *See*—
Crane, Raymond E., and Hendrickson.
- Hendrickson, Luther G.: *See*—
Griffith, Dinsmore L., and Hendrickson.
- Hendrix, Dewey, Akron, Ohio. Key container. 2,393,373; Jan. 22.
- Hendrix, Don O., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Making optical elements. 2,398,708; Apr. 16.
- Hendrixon, Philip R.: *See*—
Green, Howard D., and Hendrixson.
- Hendry, James A.: *See*—
Baird, William, Haggood, Harper, and Hendry.
- Hene, Emil, London, England. Conversion of heavy hydrocarbon liquid. 2,412,983; Dec. 24.
- Henta, Benjamin P., Bayonne, N. J. Measuring and dispensing attachment for containers. 2,404,496; July 23.
- Henjum, Gerald J., Hollywood, assignor of one-third to A. H. Farness, North Hollywood, and one-third to C. H. Sherer, Los Angeles, Calif. Development and layout instrument. 2,407,368; Sept. 10.
- Henke, Frederick W., assignor to Fox Products Company, Philadelphia, Pa. Machine tool. 2,407,985; Sept. 24.
- Henley, Wilmer, Baltimore, Md. Bowling pin. 2,400,059; May 14.

- Bentley's, W. T., Telegraph Wks Company, Limited, assignee: *See*—
 Griffiths, Francis T.
 MacDonald, Hector A.
 Hennessey, Russell F.: *See*—
 Guyer, Reynolds, and Hennessey.
 Hennessey, John F.: *See*—
 Pellegrini, Elmer D., and Hennessey.
 Hennessey, John F., Denver, Colo., and J. I. Thulander, Chicago, assignors to Geo. D. Roper Corporation, Rockford, Ill. Oven door seal. 2,405,305; Aug. 6.
 Henney, Grover R., Chicago, and J. H. Johnson, Belleville, assignors to Industrial Patents Corporation, Chicago, for Meat treatment. 2,398,636; Apr. 16.
 Henney Motor Company, assignee: *See*—
 Schofield, Earl L.
 Hennicke, Carl R., Cleveland, Ohio, assignor to The East-
 coast Malleable Iron Company, Naugatuck, Conn. Metal
 bucket. 2,410,890; Nov. 15.
 Hennings, Frederick W., assignor to The American Oak
 Leather Company, Cincinnati, Ohio. Machine for
 leather rolling and setting. 2,396,421; Mar. 12.
 Hennrich, William M., and
 Thelander, W. Vincent, De Coursey, Bechman, and
 Henning.
 Henrichson, Homer, New York, N. Y. Safety piepan lifter.
 2,410,655; Nov. 5.
 Henrichson, Knut, West Los Angeles, Calif. Ski-bind-
 ing. 2,396,373; Mar. 12.
 Henrichsen, Knut, Los Angeles, Calif., assignor to North
 American Aviation, Inc. Articulated bus. 2,407,007;
 Sept. 3.
 Henry, Leo M., Indianapolis, Ind. Fishing float.
 2,399,927; Dec. 10.
 Henry, Crandell M.: *See*—
 Jones, Jay S.
 Henry, Donald E.: *See*—
 Rentscher, Harvey C., and Henry.
 Henry, Earle G., Wilmette, Ill., assignor to Buckley Moly-
 System, Inc. Timer. 2,398,637; Apr. 16.
 Henry, Earle G., Wilmette, Ill., assignor to Buckley Moly-
 System, Inc. Mercury switch relay. 2,405,923; Aug. 13.
 Henry, John, assignor, et al.: *See*—
 Kinney, Selwyn F.
 Henry, Paul, assignee: *See*—
 Campbell, James R.
 Glaze, Leavitt B.
 Henry, Robert W.: *See*—
 Montgomery, James V., Goodson, and Henry.
 Henry, Robert W., Bartlesville, Okla., assignor to Phillips
 Petroleum Company. Hydrocarbon isomerization.
 2,400,090; May 14.
 Henry, Robert W., Bartlesville, Okla., assignor to Phillips
 Petroleum Company. Isomerization process. 2,411,211;
 Nov. 19.
 Henry, William E., Hopewell, Va., assignor to Hercules
 Powder Company, Wilmington, Del. Rifle for cellu-
 lose stock. 2,397,877; Feb. 5.
 Henschel, Heinz, assignor of one-half to H. B. Hammer-
 schlag, Johannesburg, Transvaal, Union of South Africa.
 Shirt collar. 2,405,788; Aug. 13.
 Henschel, Franz R., and E. I. Larsen, assignors to P. R.
 Mallory & Co., Inc., Indianapolis, Ind. Bearing. 2,398,905;
 Jan. 29.
 Hensel, Franz R., assignor to P. R. Mallory & Co., Inc.,
 Indianapolis, Ind. Silver solder. 2,396,009; Mar. 5.
 Hensel, Franz R., assignor to P. R. Mallory & Co., Inc.,
 Indianapolis, Ind. Electric contact. 2,396,100; Mar. 5.
 Hensel, Franz R., and E. I. Larsen, assignors to P. R.
 Mallory & Co., Inc., Indianapolis, Ind. Welding elec-
 trode cooling. 2,392,736; Jan. 8.
 Hensel, Franz R., and E. I. Larsen, assignors to P. R.
 Mallory & Co., Inc., Indianapolis, Ind. Metal composi-
 tion. Pending. 2,406,003; May 1.
 Hensel, Franz R., and E. I. Larsen, assignors to P. R.
 Mallory & Co., Inc., Indianapolis, Ind. Electrical con-
 tact. 2,396,101; Mar. 5.
 Hensel, Franz R., K. L. Emmert, and J. W. Wiggs, as-
 signors to P. R. Mallory & Co., Inc., Indianapolis, Ind.
 Electric contact. Pending. 2,406,003; May 1.
 Hensel, Franz R., and E. I. Larsen, assignors to P. R.
 Mallory & Co., Inc., Indianapolis, Ind. Projectile and
 making the same. 2,401,483; June 4.
 Hensel, Franz R., E. I. Larsen, and A. M. Suggs, assignors
 to P. R. Mallory & Co., Inc., Indianapolis, Ind. Elec-
 trode-treated drift iron springs. 2,406,688; Aug. 27.
 Henson, Walter A.: *See*—
 Wenck, Peter R., and Henson.
 Henszey, Roy O., and P. Smart, assignors to Carnation
 Company, Oconomowoc, Wis. Method and apparatus
 for detecting defects in filled cans. 2,400,507; May 21.
 Henrich, Winfrid, Rodleben, near Dessau-Rossiau, An-
 halt, and E. Schirm, Dessau, Anhalt, Germany; vested
 in the Alien Property Custodian. Producing nitro-
 genous condensation products. 2,394,806; Feb. 5.
 Henrich, Winfrid, Rodleben, near Dessau-Rossiau, and
 H.-J. Engelbrecht, and E. Schirm, Dessau, Germany;
 vested in the Alien Property Custodian. Capillary
 active agents. 2,394,307; Feb. 5.
 Henrich, Winfrid, Rodleben near Dessau-Rossiau, and E.
 Schirm, Dessau, Germany; vested in the Alien Property
 Custodian. Producing condensation products. 2,401,155;
 May 28.
 Henrich, Winfrid, Rodleben, near Dessau-Rossiau, Anhalt,
 and E. Schirm, Dessau, Anhalt, Germany; assignors,
 by mesne assignments, to Heberlein Patent Cor-
 poration, New York, N. Y. Rendering textiles, fibers, and
 the like water-repellent. 2,411,860; Dec. 3.
 Henz, Henry R., Austin, Tex., assignor to Parke, Davis
 & Company, Detroit, Mich. Obtaining hydantoin.
 2,409,754; Oct. 22.
 Henze, Henry R., Austin, Tex., assignor to Parke, Davis
 & Company, Detroit, Mich. Obtaining 5,5-diaryldi-
 hydantoin. 2,409,756; Oct. 22.
 Henzel, Ernst, assignor to Society of Chemical Industry in
 Basle, Basel, Switzerland. Amides of 2-aminoarylene-
 thiazoles. 2,399,026; Apr. 23.
 Hepburn, William M., Ottawa Hills, Ohio, and W. O. Owen,
 Evanston, Ill., assignors to Surface Combustion Cor-
 poration, Toledo, Ohio. Rotary forge furnace. 2,413,228;
 Dec. 3.
 Hepp, Carlos A., Palisade, assignor to Alfred Hofmann &
 Company, West New York, N. J. Warp-knitting ma-
 chine. 2,397,663; Apr. 2.
 Hepp, Harold J.: *See*—
 Frey, Frederick J., Hepp, and Morey.
 Hepp, Harold J., Bartlesville, Okla., assignor to Phillips
 Petroleum Company. Catalytic alkylation process.
 2,408,167; Sept. 24.
 Hepp, Harold J., Bartlesville, Okla., assignor to Phillips
 Petroleum Company. Alkylation process. 2,410,498;
 Nov. 5.
 Hepp, Harold J., Bartlesville, Okla., assignor to Phillips
 Petroleum Company. Production of cyclopentene.
 2,412,936; Dec. 17.
 Heppner, Fritz A. M., Leamington Spa, assignor to Arm-
 strong Sideley Motors Limited, Coventry, England.
 Bladed rotor. 2,398,140; Apr. 9.
 Heppner, Fritz A. M., Leamington Spa, assignor to Arm-
 strong Sideley Motors Limited, Coventry, England.
 Jet propulsion plant. 2,404,767; July 23.
 Herbert, Elmer, assignor to Oliver United Filters
 Incorporated, Oakland, Calif. Diaphragm pump.
 2,399,803; May 7.
 Herbert, Frank B., Westwood, N. J. Blade sharpener
 for lawn mowers. 2,399,437; Apr. 30.
 Herbert, Harry E., assignee, et al.: *See*—
 Goza, Charles.
 Herbert, Leon S., assignor to Theistite N. Herbert, Merion,
 Pa. Foot covering. 2,400,692; May 21.
 Herbert, Theistite N., assignee: *See*—
 Herbert, Leon S.
 Herbert, Theistite N., Merion, Pa. Foot covering.
 2,412,087; Dec. 3.
 Herbes, Ambrose W., Jackson Heights, assignor to The
 Ruberoid Co., New York, N. Y. Wall covering.
 2,394,379; Feb. 5.
 Herbes, Ambrose W., Jackson Heights, assignor to The
 Ruberoid Co., New York, N. Y. Residing walls.
 2,394,380; Feb. 5.
 Herbst, John A., Oradell, N. J., assignor to Federal Tele-
 phone and Radio Corporation, New York, N. Y. Ad-
 justable contact device. 2,404,377; July 23.
 Herbst, John A., Oradell, assignor to Federal Telephone
 and Radio Corporation, Newark, N. J. Method and
 means for transmitting intelligence. 2,406,833; Sept. 3.
 Herbst, John A., Oradell, N. J., and M. J. Hassid, as-
 signors to Federal Telephone and Radio Corporation,
 New York, N. Y. Locking device. 2,401,351; June 4.
 Herbst, Walter A.: *See*—
 Davis, Garland H. B., Sweeney, and Herbst.
 Herbst, George, assignor to John H. Leonard, Cleveland,
 Ohio, for range oven. 2,410,285; Oct. 29.
 Hercock, Robert J.: *See*—
 Harrison, Geoffrey B., Hercock, and Horner.
 Dolman, Clarence D.
 Hercules Powder Company, assignee: *See*—
 Baker, Arthur.
 Bellingier, Eustace S.
 Bennett, Thomas F.
 Bitting, Charles D.
 Borglin, Joseph.
 Bouchard, Frederic J.
 Bouchard, Frederic J., Gunness, and Stern.
 Brown, Robert L.
 Carter, Richard P.
 Clark, Joseph L., Linden, and Obert.
 Collins, Robert A.
 Cordie, Cornell H.
 Cordie, Cornell H., and Lawrence.
 Cox, Richard H.
 Darling, Robert B.
 Dreshfield, Arthur C.

Hercules Powder Company, assignee: *See*—Continued

Dusenbury, Millard R.
Ender, Clarence D.
Farinacci, Nicholas T., and Kirkpatrick.
Farrell, James K.
Gloor, Walter E.
Henry, William E.
Kirkpatrick, William J.
Koch, William V.
Letren, Edward K.
Littmann, Edwin R.
Lorand, Eugene J.
Masburn, Robert T.
McCurdy, Gordon W.
Osterhof, Arthur L.
Ott, Emil.
Peterson, Ernest G.
Phillips, Herman, and Robb.
Rummelsburg, Alfred L.
Schantz, Jacob M.
Schlenk, Edwin J.
Smith, Roscoe B., and Latimer.
Spiller, George.
Spurlin, Harold M.
Stuart, Joseph II, and Wassen.
Traylor, Waldorf S., and Wiggam.
Van Zile, Benjamin S.
Ware, Harry O.
Herfurth, Charles, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine vibration dampener. 2,393,907; Jan. 29.
Hergenrother, Rudolf C., Beechhurst, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Signal generator. 2,413,181; Dec. 24.
Heribert, Herbert J., New York, N. Y. Mustard gas proof apparel. 2,399,027; Apr. 23.
Hering, Donald.
Emerson, William H., and Hering.
Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of bituminous fiber and fiber products. 2,402,160; June 18.
Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Process and apparatus for production of fiber from vegetable matter. 2,405,213; Aug. 6.
Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of coated board. 2,409,628; Oct. 22.
Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of coated board. 2,409,629; Oct. 22.
Heritage, Clark C., and H. E. Walter, assignors to Wood Conversion Company, Cloquet, Minn. Making a coated vegetable-fiber board. 2,409,630; Oct. 22.
Herkenhoff, Earl C.: *See*—
Booth, Robert B., and Herkenhoff.
Herlihy, Walter P., Haverhill, Mass. Combined shoe counter and shankpiece. 2,412,773; Dec. 17.
Herman, Alva L.: *See*—
Gustin, Daniel S., and Herman.
Herman, Kenneth R.: *See*—
Vickers, Harry F., Herman, and Moser.
Herman, Kenneth R., Franklin, assignor to Vickers Incorporated, Detroit, Mich. Power transmission pump or motor. 2,395,824; Mar. 5.
Herman, Kenneth R., J. Robinson, and J. D. Dietiker, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,403,924; July 16.
Herman, William P., Providence, R. I. Contact blade assembly. 2,406,144; Aug. 20.
Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Electric circuit interrupter and disconnecting device. 2,393,163; Jan. 15.
Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Terminal construction. 2,399,028; Apr. 23.
Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Insulating guard. 2,409,042; Oct. 8.
Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Electric circuit interrupter and disconnecting device. 2,413,563; Dec. 31.
Hermann, Richard, Sutton Coldfield, England. Gas cooker. 2,400,508; May 21.
Hermann, Richard, Sutton Coldfield, England. Cooker. 2,400,643; May 21.
Hermanny, Heinrich, Valley Stream, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Hydraulic system. 2,395,616; Mar. 19.
Hermanson, Henning S., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Damper structure. 2,400,044; May 7.
Hermanson, John H., Brooklyn, N. Y. Safety clamp for scaffolds. 2,398,306; Apr. 9.
Hero Mfg. Co., Inc., assignee: *See*—
Lobl, Otto.
Herold, Charles A., assignor to Paper Novelty Manufacturing Company, New York, N. Y. Apparatus for making masking tapes. 2,396,466; Mar. 12.
Herold, Edgar M. D., Duquesne, and F. E. Walling, Sewickley, Pa. Drive coupling. 2,394,443; Feb. 5.
Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,409,485; Oct. 15.

Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. Tuned ultra high frequency transformer. 2,410,686; Nov. 5.
Herold, John S.: *See*—
Calabrese, Colonel C., and Herold.
Herold, Walter F., Easton, assignor to The Baskick Company, Bridgeport, Conn. Floor-cleaning implement. 2,407,421; Sept. 10.
Heron, Sam D., Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Making lead alkyls. 2,407,551; Sept. 10.
Heron, William H.: *See*—
Raven, William H., and Heron.
Herr, Donald S.: *See*—
Auten, Robert W., and Herr.
Herren, Asa: *See*—
Mitchell, John W., and Herren.
Herreshoff, Alexander G., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Engine and making parts thereof. 2,402,889; June 25.
Herreshoff, Alexander G., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Fastening device. 2,405,424; Aug. 8.
Herreshoff, Alexander G., Grosse Pointe, and W. Lamb, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Fastening device. 2,407,928; Sept. 17.
Herrick, Lloyd D., Jackson County, Mo. Leg exerciser. 2,413,351; Dec. 31.
Herrick, Roswell H., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. 2,393,374; Jan. 22.
Herrick, Roswell H., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Transmission system. 2,396,175; May 5.
Herring, George B., assignee: *See*—
Lewis, Henry M.
Herrmann, Max, Chicago, Ill. Animal toy. 2,396,654; Mar. 19.
Herro, Alexander C., and P. Smart, assignors to Carnation Company, Oconomowoc, Wis. Electrolytic can cleaner. 2,410,213; Oct. 29.
Herrold, George V., assignor to Colonial Radio Corporation, Buffalo, N. Y. Random sampling machine. 2,405,951; Aug. 20.
Herrold, Gordon W., Connelville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Transferring device for annealing leers. 2,407,664; Sept. 17.
Herron, Ollie L., Chicago, Ill. Venetian blind. Re. 22,755; May 14.
Hersberger, Arthur B., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Resinous materials and product therefrom. 2,395,739; Feb. 26.
Hersberger, Arthur B., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Polymerization of olefins to oily polymers. 2,401,933; June 11.
Herschede, Walter J., Cincinnati, W. F. Herschede, Forestville, and W. N. Woodruff, Cincinnati, Ohio, assignors to International Vehicular Parking, Ltd. Parking meter and coin slot thereof. 2,400,756; May 21.
Herschede, William F.: *See*—
Herschede, Walter J., W. F., and Woodruff.
Herschman, Harry K., Washington, D. C. Quantitatively evaluating mixtures of metals. 2,402,926; June 25.
Hersey, Donald S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel proportioning device. 2,400,413; May 14.
Hersey, Donald S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel control means. 2,400,414; May 14.
Hersey, Donald S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic fuel control. 2,400,415; May 14.
Hersey, Donald S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Charge forming apparatus. 2,400,416; May 14.
Hersey, Donald S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine ignition control means. 2,401,563; June 4.
Hersey, Donald S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cowling. 2,403,797; July 9.
Hersey, Israel I.: *See*—
Quinn, Edward, and Hersey.
Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching system. 2,392,089; Jan. 1.
Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk telephone set. 2,392,321; Jan. 8.
Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Party line identification system. 2,401,352; June 4.
Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directionally selective radio communication system. 2,401,759; June 11.
Hersherberger, Albert, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated structure and method. 2,403,077; July 2.
Hersherberger, Albert, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composite film and method. 2,411,878; Dec. 3.

- Hershberger, Albert, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fuel barrier. 2,412,148; Dec. 3.
- Hershberger, Arthur B., Drexel Hill, and K. M. Thompson, Aldan, assignors to The Atlantic Refining Company, Philadelphia, Pa. Liquid fuel and producing same. 2,397,899; Apr. 2.
- Hershberger, William D.: *See—*
Wolff, Irving, and Hershberger.
- Hershberger, William D., Collingswood, N. J., assignor to Radio Corporation of America. Impulse generator. 2,401,423; June 4.
- Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Impulse generator. 2,401,424; June 4.
- Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Cathode-ray sweep circuit. 2,403,278; July 2.
- Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Antenna switching system. 2,410,657; Nov. 5.
- Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Pulse echo system. 2,411,572; Nov. 26.
- Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Sweep or pulse generator. 2,412,682; Dec. 17.
- Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Light valve. 2,401,425; June 4.
- Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Pulse-echo distance indicator. 2,403,527; July 9.
- Hershey, Albert E.: *See—*
Berkey, William E., Hershey, and Lamphere.
- Hertel, Kenneth L., assignor to University of Tennessee Research Corporation, Knoxville, Tenn. Sampling device. 2,404,708; July 23.
- Hertel, Roland F., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,398,638; Apr. 16.
- Hertel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of motor fuel. 2,402,328; June 18.
- Hertlich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Turbine driven centrifugal machine. 2,402,496; June 18.
- Hertzberg, H., & Son Inc., assignee: *See—*
Hertzberg, Ira.
- Hertzberg, Ira, Yonkers, assignor to H. Hertzberg & Son Inc., New York, N. Y. Holder for mops and other devices. 2,413,564; Dec. 31.
- Hertzell, Emanuel A., and R. H. Anderson, Dover, assignors to The Robinson Clay Product Company, Akron, Ohio. Acidproof cement. 2,396,509; Mar. 12.
- Hertzell, Emanuel A., and R. H. Anderson, Dover, Ohio, assignors to The Robinson Clay Product Company, Akron, Ohio. Gasket. 2,403,364; July 2.
- Hervall Shoe Co. Inc., assignee: *See—*
Boecker, Theodore J.
- Hervick, Ole, and T. M. Taylor, Portland, Ore. Lawn mower sharpener. 2,407,783; Sept. 17.
- Herz, Alfred, Chicago, Ill. Electric control system. 2,401,156; May 28.
- Herz, Erwin, New York, N. Y. Device for building up illustrations. 2,393,772; Jan. 29.
- Herz, Erwin, New York, N. Y. Box. 2,397,353; Mar. 26.
- Herz Manufacturing Corporation, assignee: *See—*
Conti, Eugene.
- Herzogh, Frank, Shaker Heights, Ohio, assignor to The E. F. Goodrich Company, New York, N. Y. Bead lock. 2,400,930; May 28.
- Herzig, Henry A., Port Washington, N. Y., assignor to Sperry Gyroscope Company, Inc. Inertia absorber. 2,408,067; Sept. 24.
- Herzmark, Nicolas, Indianapolis, Ind. Defense system. 2,405,694; Aug. 13.
- Herzog, Carl, Belleville, N. J. Apparatus for producing cage grids. 2,391,969; Jan. 1.
- Herzog, Carl, Belleville, and P. A. Hauck, Union, N. J., assignors, by mesne assignments, to themselves as joint tenants. Vacuum sealing. 2,401,638; June 4.
- Herzog, Gerhard: *See—*
Hare, Donald G. C., and Herzog.
- Herzog Iron Works, Inc., assignee: *See—*
Vadnais, Leo L.
- Herzog, Milton L., Glendale, Mo., assignor to Olin Industries, Inc. Manufacture of explosives. 2,394,449; Feb. 5.
- Hesler, James C., Chicago, Ill., assignor to Inflico Incorporated. Preparation and use of anion material. 2,395,825; Mar. 5.
- Hess, Arthur E.: *See—*
Denyven, Howard G., and A. E. and E. R. Hess.
- Hess, Arthur L., Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill. Sheet printing and crimping. 2,400,991; May 28.
- Hess, Edward R.: *See—*
Denyven, Howard G., and A. E. and E. R. Hess.
- Hess, Finley B., and L. F. Robertson, Brockway, Pa., assignors to Brockway Glass Company, Inc., Brockway, Pa. Controlling glass furnaces. 2,401,640; June 4.
- Hess, Frederic O., Philadelphia, Pa., assignor to Selas Corporation of America. Heating. 2,402,045; June 11.
- Hess, Frederic O., Germantown, P. Miller, Glenside, and K. L. Dietrich, Jr., Philadelphia, Pa., assignors to Selas Corporation of America. Ignition device. 2,404,841; July 30.
- Hess, Frederic O., Germantown, Pa., assignor to Selas Corporation of America. Heating work. 2,409,431; Oct. 15.
- Hess, Frederick P.: *See—*
Worneck, Herbert A., Hess, and Braun.
- Hess, R. G., and R. G. Cizek, assignor to American Steel Foundries, Chicago, Ill. Hydraulic press. 2,410,581; Nov. 5.
- Hess, Roy A.: *See—*
Staunton, Le Roy W., Close, and Hess.
- Hess, William F., Pawtucket, R. I. Lock ring. 2,411,037; Nov. 12.
- Hessel, Frederick A.: *See—*
Rust, John B., and Hessel.
- Hessel, Frederick A., Upper Montclair, and J. B. Rust, Verona, assignors to Ellis-Foster Company. Protein-acetone resin compositions and process of making them. 2,399,807; Apr. 9.
- Hessler, Oliver H., Normandy, assignor to Carter Car-buretor Corporation, St. Louis, Mo. Wire skinning machine. 2,394,174; Feb. 5.
- Hessman, William E., Luckey, Ohio, assignor to National Gypsum Company, Buffalo, N. Y. Method and apparatus for calcining materials. 2,409,206; Oct. 15.
- Hester, Frank: *See—*
Olson, Harry F., and Hester.
- Hester, Frank A., New York, N. Y., assignor to Radio Corporation of America. Switch device. 2,401,934; June 11.
- Hester, William F., Drexel Hill, assignor to Röhm & Haas Company, Philadelphia, Pa. N-nitroaryl halo-arylsulphonamides. 2,402,623; June 25.
- Hester, William F., Drexel Hill, and W. E. Craig, Philadelphia, Pa., assignors to Röhm & Haas Company. Parasiticial compositions. 2,413,627; Dec. 31.
- Hetherington, Robert, & Son, assignee: *See—*
Hetherington, Robert.
- Hetherington, Robert, Sharon Hill, Pa., assignor to Robert Hetherington & Son, Inc., Wilmington, Del. Snap switch of grounded type. 2,399,867; May 7.
- Hetteen, Edgar E., Roseau, Minn. Power unit. 2,411,038; Nov. 12.
- Hettelsater, Henry C., Whitefish Bay, assignor to Harnischfeger Corporation, Milwaukee, Wis. Excavating tooth. 2,403,078; July 2.
- Hettrick Manufacturing Company, The, assignee: *See—*
Smith, William I.
- Hetzer, Eugene N., St. Louis, Mo., and G. E. Taylor, Anniston, Ala., assignors to Monsanto Chemical Company. Stabilized acid sodium pyrophosphate and making it. 2,408,253; Sept. 24.
- Hetzel, Frank L., and V. E. Carstedt, Los Angeles County, Calif. Stamping machine. 2,393,683; Jan. 29.
- Hetzel, Frank L., Hermosa Beach, and V. E. Carstedt, Los Angeles, Calif. Clutch. 2,409,757; Oct. 22.
- Heubberger, Josef, assignor to Aktiebolaget Hammarby-lampjan, Stockholm, Sweden. Making graphite molds. 2,395,708; Feb. 26.
- Heuer, Russell P., Villa Nova, Pa., assignor to Essex Research Corporation, Wilmington, Del. Desulphurizing. 2,397,737; Apr. 2.
- Heuschkel, Julius, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Apparatus for determining weldability. 2,406,076; Aug. 20.
- Heuser, Ralph V., Weaverville, N. C. Drying apparatus with air desiccating means and automatic regenerating means therefor. 2,411,039; Nov. 12.
- Hewlett, Ralph V., Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of acrylonitrile. 2,409,124; Oct. 8.
- Hewitt, Donald H.: *See—*
Wakeford, Leslie E., and Hewitt.
- Hewitt, Edward T.: *See—*
Babbitt, Daniel R., and Hewitt.
- Hewitt, Ellis E., Edgewood, and R. E. Watson, Swissvale, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Regulating device. 2,402,400; June 18.
- Hewitt, Fred L., Montville, N. J., assignor to Overlakes Freight Corporation, Detroit, Mich. Airplane with material and article handling equipment. 2,402,283; June 18.
- Hewitt, Roland S., Osawatomie, Kans. Telegraph system. 2,413,322; Dec. 31.
- Hewlett, Allen M., Haina, Hamakua, T. H. Sugar-cane mill. 2,406,541; Aug. 27.
- Hewlett, Amiot P., Cranford, N. J., assignor to Standard Oil Development Company. Production of high octane number fuels. 2,403,279; July 2.
- Hewlett, Clarence W., Jr., Marblehead, Mass., assignor to General Electric Company. Unidirectional gear drive. 2,399,925; May 7.
- Hewlett, Clarence W., Marblehead, Mass., assignor to General Electric Company. Vapor pressure measurement. 2,413,565; Dec. 31.

- Hewlett, Clarence W., Schenectady, N. Y., assignor to General Electric Company, Making mechanically resistant and highly reflecting metallic films. 2,410,733; Nov. 5.
- Hewlett-Packard Company, assignee: *See*—Packard, David, and Porter.
- Heyl, Josef W., Dayton, Ohio, assignor to Monsanto Chemical Company, Polymerization of methyl isopropenyl ketone. 2,406,684; Aug. 27.
- Heyden Chemical Corporation, assignee: *See*—Bowman, Philip L., Barth, and Burrell.
- Burghardt, Raymond F., and Barth.
- Burrell, Harry.
- Sjolander, Newell, and Eisenman.
- Heyer, Benjamin F. W., Tenally, assignor to Knickerbocker Development Corporation, Belleville, N. J. Battery capacity tester. 2,392,737; Jan. 8.
- Heyer, Don, Los Angeles, Calif. Variable speed drive. 2,395,625; Feb. 26.
- Heyer, Don, Los Angeles, Calif. Automatic film exhibitor. 2,398,639; Apr. 16.
- Heyman, Horace W., Kenilworth, N. J. Strain relief means for electrical cords. 2,398,002; Apr. 9.
- Heyman, Karl, Montclair, N. J., assignor to American Viscose Corporation, Wilmington, Del. Dyeing. 2,394,688; Feb. 12.
- Heyman, Karl, Montclair, N. J., assignor to American Viscose Corporation, Wilmington, Del. Dyeing. 2,394,689; Feb. 12.
- Heyman, Moses D., Cedarhurst, assignor, by mesne assignments, to International Paper Corporation, Woodmere, N. Y. Integrated mica and making the same. 2,405,576; Aug. 13.
- Heyman, Wilbert A., assignor to Granular Foods, Inc., New York, N. Y. Dehydrated caramel color. 2,402,999; July 2.
- Heymann, Roy D., New Hartford, Conn., assignor, by mesne assignments, to Animal Trap Company of America, Lititz, Pa. Form for use in building self-sealing containers for gasoline. 2,413,497; Dec. 31.
- Heymann, Seymour E., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater control apparatus. 2,396,655; Mar. 19.
- Heymann, Seymour E., assignor to Stewart-Warner Corporation, Chicago, Ill. Carburetor anti-icing device. 2,398,094; Apr. 9.
- Heymann, Seymour E., assignor to Stewart-Warner Corporation, Chicago, Ill. Aircraft heating system. 2,400,509; May 21.
- Heyman, David H., Yellow Springs, Ohio. Driving mechanism. 2,404,907; July 30.
- Heyne, Clarence A.: *See*—Duncan, Donald M., Wright, Jackson, and Heyne.
- Heynisch, Paul, Zug, Switzerland, assignor to Landis & Gyr, A. G. Mean value indicator with excess counter. 2,407,369; Sept. 10.
- Heyroth, Albert H., assignor to The Carborundum Company, Niagara Falls, N. Y. Making molds. 2,401,760; June 11.
- Heys, George H., administrator: *See*—Cantley, Joseph C., and Pym.
- Pym, Arthur F.
- Heywood Compressor Company Limited, assignee: *See*—Hunt, Joseph A.
- Morrell, Albert E., and Hunt.
- Heywood, Harold L.: *See*—Armitage, Joseph B., and Heywood.
- Hack, Frank, Butler, Pa. Rotary weed puller. 2,402,550; June 25.
- Hibbard, Robert L., Jr., et al., executors: *See*—Hibbard, Robert L.
- Hibbard, Robert L., deceased, Bellevue, assignor of one-half to W. K. Starnets, Mars, Pa.; S. C. and R. L. Hibbard, Jr., and H. M. Junkin, executors. Conveyor table. 2,405,141; Aug. 6.
- Hibbard, Robert L., Lorain, assignor to The Standard Oil Company, Cleveland, Ohio. Catalytic treatment of hydrocarbons. 2,395,043; Feb. 19.
- Hibbard, Stewart C., et al., executors: *See*—Hibbard, Robert L.
- Hibner, De Los P.: *See*—Arcy, Fred C., and Hibner.
- Hickernell, Latimer P., Irvington, and J. E. Talbott, Dobbs Ferry, assignors to Anaconda Wire & Cable Company, New York, N. Y. Electric cable. 2,394,611; Feb. 12.
- Hickey, Henri J., Cleveland, Ohio. Internal-combustion engine. 2,398,640; Apr. 16.
- Hickey, James, Portland, Oreg. Buttonhole attachment for sewing machines. 2,405,253; Aug. 6.
- Hickey, John P., Columbus, Ohio. Wire carrier for workmen. 2,400,417; May 14.
- Hickler, Walter R.: *See*—Glidden, Alfred A., and Hickler.
- Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Spring suspension for railroad cars. 2,394,547; Feb. 12.
- Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Spring suspension for railroad cars. 2,394,548; Feb. 12.
- Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Transmission. 2,397,140; Mar. 26.
- Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Vehicle spring suspension. 2,399,226; Apr. 30.
- Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Bolster construction for railroad trucks. 2,400,550; May 21.
- Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Spring suspension for railroad cars. 2,402,161; June 18.
- Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Spring suspension for railroad cars. 2,410,008; Oct. 29.
- Hickman, Clarence C., Lexington, Va. Broom holder. 2,410,972; Nov. 12.
- Hickman, Darold B., North Attleboro, Mass. Wrist watch strap. 2,394,956; Feb. 12.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. High vacuum distillation apparatus. 2,396,374; Mar. 12.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Method and apparatus for dehydrating in the frozen state. 2,402,401; June 18.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Apparatus and process for producing fog or smoke. 2,402,402; June 18.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum apparatus. 2,406,017; Aug. 20.
- Hickman, Kenneth C. D., and E. S. Perry, assignors to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation apparatus. 2,403,975; July 16.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation process and apparatus. 2,408,639; Oct. 1.
- Hickman Pneumatic Seat Co., Inc., assignee: *See*—Hickman, Albert F.
- Hickman Manufacturing Company, Inc., assignee: *See*—Miller, Edward F.
- Hicks, James A., deceased, by R. L. Holbrook, Atlanta, Ga., administrator, assignor to A. L. Belle Isle, Roller ironer. 2,400,233; May 14.
- Hicks, Raymond M., Westfield, N. J., assignor to The Teleregister Corporation, New York, N. Y. Secret telegraph system. 2,403,280; July 2.
- Hicks, William A., Chicago, Ill. Picture frame. 2,411,372; Nov. 19.
- Hicks, William B., and D. J. Saunders, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Detergent composition. 2,404,289; July 16.
- Hickson, A. L., Administrator: *See*—Leonard, Chester G.
- Hickson, Louis A., Philadelphia, Pa. Fishing rig or leader. 2,392,147; Jan. 1.
- Hiehle, Michael E., Schenectady, N. Y., assignor to General Electric Company. Impedance switching device. 2,395,870; Mar. 5.
- Hierononymus, Charles G., Hollis, N. Y., and G. H. Ridings, Summit, and R. J. Wise, Yonellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Automatic blind and hit detector. 2,410,442; Nov. 5.
- Higby, Ralph H., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Manufacturing hesperidin. 2,400,693; May 21.
- Higgins, Bertram G., Rugby, England, assignor to General Electric Company. Electric control circuit. 2,395,626; Feb. 26.
- Higgins, Charles B., Grand Rapids, Mich. Adjustable still step. 2,410,532; Nov. 5.
- Higgins Industries, Inc., assignee: *See*—Diggs, Maury I.
- Dugas, Joseph J.
- Monaghan, Henry W.
- Higgins, John W., Newport, R. I. Corn kernel cutter. 2,412,149; Dec. 3.
- Higgins, Waldo W., Whitefish Bay, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis. Joiner of porcelain enameled products. 2,403,079; July 2.
- Higgins, Waldo W., Whitefish Bay, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrical insulator. 2,405,425; Aug. 6.
- Higinson, Joseph H., and H. C. Riggs, Andover, Mass., assignors to Riggs & Lombard, Inc., Lowell, Mass. Safety mechanism for dye kettles and the like. 2,410,214; Oct. 29.
- High, Le Roy B., and J. B. Harmon, assignors to The Udylite Corporation, Detroit, Mich. Torch. 2,405,952; Aug. 20.
- High, Le Roy B., and G. C. T. Lindh, assignors to The Udylite Corporation, Detroit, Mich. Method and apparatus for forming thermoplastic inner soles. 2,407,495; Sept. 10.
- Higham, William W., Marion, Ohio, assignor, by mesne assignments, to International Detrola Corporation, Elkhart, Ind. Refrigerating apparatus. 2,403,528; July 9.
- High Point Bending & Chair Company, assignee: *See*—Croft, John J., and Fox.
- High Production Machine Co., Inc., assignee: *See*—Hassler, William J.
- High Standard Manufacturing Company, The, assignee: *See*—Swebillus, Carl G.

- Hight, Franklin R., and R. O. Greenshields, Detroit, and F. J. Mueller, Grosse Pointe Woods, Mich., assignors, by mesne assignments, to The Budd Company, Philadelphia, Pa. Rolling mill. 2,406,219; Aug. 20.
- Hight, William R., St. Albans, N. Y., and B. A. Wittkubns, Summit, N. J., assignors to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Automatic correction device for gyroscopic compasses. 2,403,000; July 2.
- Higley, Frank R., Cleveland Heights, and P. W. McCoy, South Euclid, assignors to The Bryant Heater Company, Cleveland, Ohio. Gravity furnace. 2,400,352; May 14.
- Hignutt, Frank W.: *See—*
- Snell, William E., Frantz, and Hignutt.
- Hilblom, Samuel E.: *See—*
- Hitchcock, Reeb, and Hilblom.
- Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Hay rake. 2,394,057; Feb. 5.
- Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Mower. 2,403,365; July 2.
- Hilborn, Howard D., Houston, Tex., assignor to Emeco Derrick & Equipment Company, Los Angeles, Calif. Raising and lowering portable derricks. 2,403,080; July 2.
- Hilborn, Howard D., Houston, Tex., assignor to Emeco Derrick & Equipment Company, Los Angeles, Calif. Portable derrick. 2,403,081; July 2.
- Hildebrand, Paul, and A. Metz, Mannheim, Germany; vested in the Alien Property Custodian. Setting device on mechanical and electrical measuring instruments. 2,407,184; Sept. 3.
- Hileman, George A., and M. E. Houk, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Sheet feeding device. 2,395,740; Feb. 26.
- Hilger, Henry M., Fort Wayne, Ind. Teeter-go-round. 2,409,487; Oct. 15.
- Hill Acme Company, The, assignee: *See—*
- Ecoff, Roy W.
- Hill, Allan W., Wilksburg, and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,403,082; July 2.
- Hill, Arthur J.: *See—*
- Holmes, Roger B., and Hill.
- Parker, Robert P., and Hill.
- Pleger, Karl E., New Haven, Conn., and R. B. Holmes, South River, N. J., assignors to American Cyanamid Company, New York, N. Y. Alcolysis of alkaline esters of diaryl hydroxyacetic acids. 2,394,770; Feb. 12.
- Hill, Arthur J., New Haven, and W. M. Degnan, Southington, Conn., assignors to American Cyanamid Company, New York, N. Y. Acidyl 4-thiobiurets and making them. 2,398,003; Apr. 9.
- Hill, Arthur J., New Haven, and W. M. Degnan, Southington, Conn., assignors to American Cyanamid Company, New York, N. Y. Acidyl derivatives of substituted biurets. 2,401,244; May 28.
- Hill Bros., assignee: *See—*
- Hill, Harry D.
- Hill Brothers Veneer Co., assignee: *See—*
- McKee, Halbert.
- Hill, Dudley L., Peekskill, N. Y. Implement for soil preparation. 2,394,771; Feb. 12.
- Hill, Dudley L., Peekskill, N. Y. Cultivating implement. 2,405,503; Aug. 6.
- Hill, E. Govan, assignee, trustee, et al.: *See—*
- Ingers, Jeannot G.
- Hill, Ebenezer, Stamford, Conn. Calculating instrument. 2,404,709; July 23.
- Hill, Edward H., San Antonio, Tex. Roller conveyor for vehicle bodies. 2,411,133; Nov. 12.
- Hill, Eugene F., and J. H. He, Mich., assignor, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Preservative composition. 2,392,987; Jan. 15.
- Hill, Frank B., Spondon, near Derby, assignor to British Celanese Limited, London, England. Shrinking cellulose derivative textile material. 2,394,772; Feb. 12.
- Hill, Frank L., and K. A. Hill, Rockford, Ill.: said K. A. Hill assignor to said F. L. Hill. Hose clamp. 2,395,273; Feb. 19.
- Hill, George B., and F. D. Jones, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Ensilage harvester. 2,394,996; Feb. 19.
- Hill, Gilbert H., Fostoria, assignor of one-half to R. V. Bailey, Davenport, Iowa. Blood testing cabinet. 2,392,322; Jan. 8.
- Hill, Gordon W.: *See—*
- Schmidhuber, Ludwig, Nelson, and Hill.
- Hill, Harry D., Franklin, assignor of fifty per cent to Amco-Thompson Corporation, and fifty per cent to Hill Bros., Edinburg, Ind. Lathe apparatus for cutting comb grain veneer. 2,397,110; Mar. 26.
- Hill, Henry A.: *See—*
- Atwood, Francis C., and Hill.
- Hill, Henry C., Montclair, N. J., assignor to Wright Aeronautical Corporation. Hydraulic brake. 2,407,699; Sept. 17.
- Hill, Henry E.: *See—*
- Ellwood, Walter B., and Hill.
- Hill, Irving, assignor to The Lawrence Paper Company, Lawrence, Kans. Controlled ventilated container. 2,404,065; July 16.
- Hill, Julian W.: *See—*
- Fothergill, Robert E., Hill, and Johnson.
- Hill, Julian W., assignor to E. du Pont de Nemours & Company, Wilmington, Del. Molding process. 2,413,498; Dec. 31.
- Hill, Julian W., R. V. Lindsey, Jr., and R. H. Wiley, assignors to E. du Pont de Nemours & Company, Wilmington, Del. Preparation of chlorodifluorosilanes. 2,395,826; Mar. 5.
- Hill, Julian Werner: *See—*
- Berry, Kenneth L., and Hill.
- Hill, Justin D., assignor to The Lawrence Paper Company, Lawrence, Kans. Container and closure therefor. 2,404,067; July 16.
- Hill, Keith A.: *See—*
- Hill, Frank L., and Keith.
- Hill, Lawrence R.: *See—*
- Barker, Harry H., Hill, and Berberich.
- Hill, Louis G., Detroit, Mich. Attachment for lathes and the like. 2,394,175; Feb. 5.
- Hill, Maxwell H., Rochester, N. Y. Cap removers and supports therefor. 2,404,068; July 16.
- Hill, Nikolai, New York, N. Y. Mop holder. 2,412,150; Dec. 3.
- Hill, Oiva E.: *See—*
- Belden, Albert G., Flygare, and Hill.
- Hill, Ralph M., and H. G. Coder, Mountinside, N. J., assignors to Standard Oil Development Company. Manufacture of cyclopentanones. 2,403,281; July 2.
- Hill, Ralph M., Mountinside, and C. H. Watkins, Cranford, N. J., assignors to Standard Oil Development Company. Chemical process. 2,409,681; Oct. 22.
- Hill, Ronald A., Wandsworth, London, assignor to The Aluminum Plant & Vessel Company Limited, London, England. Treatment of liquids. 2,408,021; Sept. 24.
- Hill, Rowland: *See—*
- Gudgoun, Herbert, and Hill.
- Hill, Roy L., assignor to Atlas Powder Company, Wilmington, Del. Explosive assembly. 2,401,641; June 4.
- Hill, Russell J., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Making tubular abrasive. 2,411,724; Nov. 26.
- Hill, Thomas C.: *See—*
- De Bell, George W., and Hill.
- Hill, Thomas C., Parkville, assignor to The Glenn L. Martin Company, Middle River, Md. Swiveling fluid joint. 2,412,810; Dec. 17.
- Hill, Walter E., Streetwork, and T. D. G. Wintle, and R. W. Morgan, assignors to J. A. Crabtree & Co., Ltd., Walsall, England. Coupling for electrical wiring systems. 2,403,979; July 16.
- Hill, Walter E., Detroit, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Manufacturing finned tubes with support engaging bearing portions. 2,404,575; July 23.
- Hill, William H., Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y. Metal pickling. 2,394,773; Feb. 12.
- Hill, William H., Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y. Pickling inhibitors. 2,394,774; Feb. 12.
- Hill, William H., Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Perthiocyanic metal pigments. 2,402,961; July 2.
- Hill, William H., Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Perthiocyanic acid pigment. 2,402,962; July 2.
- Hill, William H., Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Vulcanization of rubber. 2,412,984; Dec. 24.
- Hill, William H., Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Vulcanization of rubber. 2,412,985; Dec. 24.
- Hill, William H., and J. H. F. Weltman, Mount Lebanon, Pa., assignors, by mesne assignments, to Koppers Company, Inc. Prevention of formation of colors in thiocyanates. 2,404,576; July 23.
- Hillard, Harry G., and C. J. Jaeger, Sr., Bayonne, N. J. Light-producing device. 2,412,684; Dec. 17.
- Hilliers, Albert T., Orange, assignor, by mesne assignments, to M. N. Vliet, Hackettstown, N. J. Collet chuck. 2,401,071; May 28.
- Hillebrand, Earl D., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oven door construction. 2,394,176; Feb. 5.
- Hiller, Abe, assignor of one-third to J. G. Lichtig, and one-third to M. Hiller, Milwaukee, Wis. Refrigeration apparatus. 2,409,279; Oct. 15.
- Hiller, Max, assignee, et al.: *See—*
- Hiller, Abe.
- Hillery, Thomas J., assignor to George Benda, Inc., Boonton, N. J. Manufacturing a cellulose ester molding batch having a metallic appearance and the batch produced thereby. 2,405,953; Aug. 20.
- Hilgner, Carl A., Los Angeles, Calif. Door lock. 2,403,597; July 9.
- Hillier, Harold, Cathcart, Scotland, assignor to G. & J. Weir Limited, Liquid pump of the centrifugal type. 2,397,664; Apr. 2.

- Hillier, Harold, and T. McAlpine, Cathcart, Glasgow, assignors to G. & J. Weir Limited, Glasgow, Scotland. Pump. 2,408,851; Oct. 8.
- Hillier, James; See—
Zworykin, V. K., and Hillier.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Electron microscope. 2,392,243; Jan. 1.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Limiting aperture for electron image. 2,410,658; Nov. 5.
- Hillier, James, Collingswood, and R. F. Baker, Merchantville, N. J., assignors to Radio Corporation of America. Electron microscope. 2,403,529; July 9.
- Hillier, James, Cranbury, and R. F. Baker, Princeton, N. J., assignors to Radio Corporation of America. Electronic microanalyzer monitoring. 2,405,306; Aug. 6.
- Hilliker, Frank T., St. Louis, Mo., assignor, by direct and mesne assignments, of one-half to R. M. Carson, Red Oak, Iowa, and one-half to E. Hohl, Kansas City, Mo., trustee. Tableware scrapping and salvaging machine. 2,400,879; May 28.
- Hillman, Joseph L., Dudley, England. Fluid sealing device for shafts and the like. 2,393,376; Apr. 16.
- Hillman, Leon, New York, N. Y. Selective indicating system. 2,410,821; Nov. 12.
- Hills, George S., New Rochelle, N. Y. Collapsible container for pastes. 2,413,323; Dec. 31.
- Hills, Leonard H., and A. L. Gordon, assignors to the Yellumoid Company, Worcester, Mass. Securing elastomeric films to sheet material. 2,399,804; May 7.
- Hills, Robert C., assignor to Nicaro Nickel Company, New York, N. Y. Recovery of nickel and ammonia. 2,400,114; May 14.
- Hills, Robert C., Nicaro, Cuba, assignor to Nicaro Nickel Company, New York, N. Y., a corporation of Delaware. Magnetic separation and settling for serpentine ores. 2,400,461; May 14.
- Hills, Robert C., and M. F. Dufour, assignors to Nicaro Nickel Company, New York, N. Y. Recovery of nickel and/or cobalt from nickeliferous ores. 2,400,115; May 14.
- Hills, Robert C., and M. F. Dufour, assignors to Nicaro Nickel Company, New York, N. Y. Removal of sulphur in recovery of nickel. 2,408,311; Sept. 24.
- Hillyer, Curtis, Jr., and H. Blackstone, Richmond Hill, N. Y. Gaseous discharge tube. 2,409,555; Oct. 22.
- Hillyer, Curtis, Jr., and H. Blackstone, Richmond Hill, N. Y. Light sensitive device. 2,411,323; Nov. 19.
- Hillyer, John C.; See—
Schulze, Walter A., and Hillyer.
- Hillyer, John C., and H. E. Drennan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Isomerization process. 2,393,274; Feb. 19.
- Hilmer, Milton, Center Valley, G. J. Signarovitz, Allentown, Pa., and T. N. Adlam, West Orange, N. J., assignors to Sarcro Company, Inc., New York, N. Y. Control device. 2,412,218; Dec. 3.
- Hilsenrath, Joseph, and S. Globe, U. S. Navy. Azimuth computer. 2,408,776; Oct. 8.
- Hilstrom, Gunnar H., East Weymouth, and W. E. Westland, Quincy, Mass., assignors to Bethlehem Steel Company. Metal cutting apparatus. 2,394,775; Feb. 12.
- Hiltner, James R., Morrisville, and W. Berlinghof, Jr., Bristol, assignors to Rohrer & Haas Company, Philadelphia, Pa. Extrusion of thermoplastic material. 2,401,642; June 4.
- Hilton, Charles G., Amarillo, Tex. Combined bootjack and boot hook. 2,408,640; Oct. 1.
- Hilton, Margitta; See—
Campbell, Bernard J., and Hilton.
- Hilton, Terrance W., Windsor, Ontario, Canada. Nut. 2,399,227; Apr. 30.
- Himmel, Leon, Bronx, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Phase changer. 2,402,624; June 25.
- Himmel, Leon, Bronx, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Beacon system. 2,412,986; Dec. 24.
- Himoff, Morris G.; See—
Casella, Secours L., and Himoff.
- Himoff, Morris G., assignor to Morcy Machinery Co., Inc., New York, N. Y. Turret lathe headstock. 2,401,072; May 28.
- Hinckley-Myers Division of Kent-Moore Organization, Inc., assignee; See—
Holton, George E., Heglund, and Manson.
- Hindahl, David, Chicago, Ill. Car construction. 2,409,856; Oct. 22.
- Hinde & Dauch Company, The, assignee; See—
Larkin, Daniel A.
- Hinde & Dauch Paper Company, The, assignee; See—
Dieckbrader, Frederick A.
Loth, Gaylord.
- Hindin, Alexander; See—
Shiro, Morris A., and Hindin.
- Hindle, Alfred E., Prescott, and F. Nichols, Wickenburg, Ariz. Culinary implement. 2,397,665; Apr. 2.
- Hindle, Walter H.; See—
Croft, Cyril M., and Hindle.
Croft, Cyril M., Hindle, and Pinault.
- Hindley, Nathan C.; See—
Bergel, Franz, Hindley, Morrison, and Rinderknecht.
- Hinds, Reinhard P. H., Petts Wood, England. Portable electric hand lamp such as inspection lamp. 2,413,628; Dec. 31.
- Hinds, Sherwood; See—
Jauch, Robert J., Hinds, and Sturm.
- Hinegardner, Wilbie S.; See—
Lacy, Burritt S., Bond, and Hinegardner.
- Hineline, Edson S., assignor to Grafex, Inc., Rochester, N. Y. Electric-motor-driven combined camera focal plane shutter and film feed. 2,393,534; Jan. 22.
- Hineline, Edson S., assignor to Grafex, Inc., Rochester, N. Y. Motor-driven curtain-shutter and release mechanism for photographic cameras. 2,407,277; Sept. 10.
- Hineline, Harris D.; See—
Young, David W., and Hineline.
- Hines, Charles F., Clarksburg, W. Va. Ash tray. 2,404,174; July 16.
- Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Decelerometer apparatus. 2,393,375; Jan. 22.
- Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air rail warning system. 2,396,422; Mar. 12.
- Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air rail warning control system. 2,396,423; Mar. 12.
- Hines, Claude M., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Electric decelerometer. 2,402,403; June 18.
- Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,406,220; Aug. 20.
- Hines, Claude M., Pittsburgh, and C. D. Stewart, Wilmerding, Pa. Assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Deceleration control apparatus. 2,396,424; Mar. 12.
- Hines, Claude M., Pittsburgh, and J. W. Rush, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Linear generator. 2,409,857; Oct. 22.
- Hines, Rufus E., Chicago, Ill. Collet chuck. 2,410,344; Oct. 29.
- Hings, Donald L., Ottawa, Ontario, Canada, assignor to Electronic Laboratories, Inc., Indianapolis, Ind. Radio signaling system. 2,395,049; Feb. 19.
- Hings, Donald L., Ottawa, Ontario, Canada. Antenna. 2,400,551; May 21.
- Hinkler, Henry G., Mankato, Minn. Draft tongue for trailers. 2,397,964; Apr. 9.
- Hinkle, Edward F., Dearborn, and A. Stewart, Ypsilanti, assignors to Ford Motor Company, Dearborn, Mich. Steering. 2,395,741; Feb. 26.
- Hinkle, George A., New York, assignor to C. H. Bennington Mfg. Co., Inc., Hempstead, N. Y. Artificial limb and brace. 2,395,120; Feb. 19.
- Hinkley, Ray A., assignor to Corning Glass Works, Corning, N. Y. Performing and tabulating apparatus. 2,410,345; Oct. 29.
- Hinman Milking Machine Co., Inc., assignee; See—
Hinman, Ralph L.
- Hinman, Ralph L., deceased, Oneida, N. Y.; Oneida Valley National Bank, executor, assignor to Hinman Milking Machine Co., Inc., Oneida, N. Y. Milking machine. 2,404,068; July 16.
- Hinman, Ralph L., assignor to Hinman Milking Machine Co., Inc., Oneida, N. Y. Milking machine. 2,404,069; July 16.
- Hinnkens, Maurice G., Paterson, N. J. Reel. 2,395,388; Feb. 26.
- Hinsey, Joseph C., Scarsdale, and W. A. Geohagan, Mamaroneck, N. Y., assignors to the Government of the United States. Stimulator. 2,410,499; Nov. 5.
- Hinson, Jay B., Hartsdale, N. Y. Extinguisher. 2,406,685; Aug. 27.
- Hintze, Rudolf, Berlin-Charlottenburg 9, Germany; vested in the Alien Property Custodian. Refrigerating apparatus of the compression type. 2,396,573; Mar. 12.
- Hintze, Rudolf, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Refrigerating apparatus of the compression type. 2,403,220; July 2.
- Hjort af Ornäs, Hans E. S., Stockholm, Sweden. Dishwasher. 2,395,968; Mar. 5.
- Hipwell, Harry H.; See—
Hipwell, Harry T., and H. H.
- Hipwell, Harry T. and H. H., Pittsburgh, Pa. Flash lamp. 2,396,046; Mar. 5.
- Hirland, Reinhold, Detroit, Mich. Shirt. 2,398,428; Apr. 16.
- Hirshman, Julius, Hillside, N. J., assignor to Radio Corporation of America. Filamentary cathode. 2,404,070; July 16.
- Hirsch, Alfred, Painesville, Ohio, assignor to Diamond Alkali Company, Pittsburgh, Pa. Purification of alkali metal sulphates. 2,392,669; Jan. 8.
- Hirsch, Emanuel O., Chicago, Ill. Shirt collar construction. 2,401,157; May 28.
- Hirsch, George B., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Driving and control mechanism. 2,404,439; July 23.
- Hirsch, Morris, assignee, et al.; See—
Travis, Perice M.

- Hirsch, Richard V., South Gate, Calif. Drilling machine. 2,398,141; Apr. 9.
- Hirsch, Robert L.: *See—*
- Large, Charles B., Zucrow, and Hirsch.
- Hirsch, Sylvan R., assignor to Brunner Manufacturing Company, Utica, N. Y. Compressor unloader. 2,408,932; Oct. 8.
- Hirschkind, Wilhelm, Berkeley, Calif., assignor to The Dow Chemical Company, Midland, Mich. Production of alkyl bromides. 2,404,800; July 30.
- Hirsch, Dwight C., assignee: *See—*
- Crane, Walton B.
- Hirschstein, M. J., trustee, assignee, et al.: *See—*
- Pomeroy, Roy J.
- Hirschstein, Mildred, assignee, et al.: *See—*
- Pomeroy, Roy J.
- Hirst, Harry A., assignee, trustee, et al.: *See—*
- Stark, Fred J., and Slack.
- Hirst, Wallace: *See—*
- Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Philipotts.
- Hirt, Rudolf: *See—*
- Martin, Henry, Hirt, and Staub.
- Hitchcock, Melville E.: *See—*
- Marsh, Jay L., and Hitchcock.
- Hitchcock, Melville E., South Charleston, and J. A. Field, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Cyclic butadiene process. 2,403,743; July 9.
- Hitchcock, Rex B., Evanston, and S. E. Hibblom, Chicago, Ill., assignors to International Harvester Company. Ensilage blower. 2,394,058; Feb. 5.
- Hitchcock, Rex B., Evanston, and S. E. Hibblom, Chicago, Ill., assignors to International Harvester Company. Ensilage blower having swinging feed hopper. 2,405,896; Aug. 13.
- Hitchcock, Rex B., Evanston, and H. S. Seeber, Moline, Ill., assignors to International Harvester Company. Feeder for threshers. 2,410,500; Nov. 5.
- Hitchcock, Stanley I., London, England. Permanent magnet structure. 2,404,710; July 2.
- Hitchcock, Stanley I., assignor to Tropical Plantations Limited, London, England. Dynamoelectric machine. 2,408,641; Oct. 1.
- Hitchon, Carl K., Stamford, Conn., and J. D. Pennell, Jr., assignors to Chemical Construction Corporation, New York, N. Y. Production of alumina. 2,405,426; Aug. 6.
- Hite, Charles E., Philadelphia, Pa., assignor to Albert P. de Sanno, Jr., Phoenixville, Pa. Swing frame grinder. 2,398,308; Apr. 9.
- Hite, Daniel I., West Columbia, S. C. Shutter structure. 2,394,059; Feb. 5.
- Hitson, Robert H.: *See—*
- Owens, James B., and Hitson.
- Hitt, Otha A., Chesterfield County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn twisting apparatus. 2,406,768; Sept. 3.
- Hitzherger, Erwin, Rohr, Germany; vested in the Alien Property Custodian. Device for mounting engine hoods on motor vehicles. 2,410,734; Nov. 5.
- Hixson, Arthur W., Leonia, N. J., and R. Miller, Woodside, Long Island, N. Y., assignors to The Chemical Foundation, Incorporated. Recovery of acidic gases. 2,405,747; Aug. 13.
- Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, as trustee. Recovery of vanadium. 2,407,008; Sept. 3.
- Hlavin, William S.: *See—*
- Sigmund, Frank J., and Hlavin.
- Hnat, John, Rome, N. Y. Ski-equipped wheelbarrow. 2,398,142; Apr. 9.
- Hoag, Herbert A., Tecumseh, Mich. Sign. 2,399,029; Apr. 23.
- Hoag, James I., Bloomfield, Mich. Insect deflector. 2,402,963; July 2.
- Hoag, Roderick W., Melrose, Mass. Container and closure. 2,406,331; Aug. 27.
- Hoagberg, Sven V., West Hartford, Conn., assignor to F. K. Smith & Sons, Inc., New York, N. Y. Diamond tool. 2,395,662; Feb. 26.
- Hoagland, Reginald W., Detroit, Mich., assignor, by mesne assignments, to United States of America. Reaction propelled device. 2,412,266; Dec. 10.
- Hoague-Sprague Corporation, assignee: *See—*
- Knowlton, Cutler D.
- Knowlton, Cutler D., and Thresh.
- Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company. Resonant circuit saturable core measurement apparatus. 2,412,046; Dec. 3.
- Hobar Co., The, assignee: *See—*
- Baril, Samuel J., and Hochheimer.
- Hobart Bros. Company, The, assignee: *See—*
- Hobart, Edward A.
- Hobart, Edward A., assignor to The Hobart Bros. Company, Troy, Ohio. Idling mechanism for welding apparatus. 2,396,176; Mar. 5.
- Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine valve mounting. 2,407,422; Sept. 10.
- Hobart, Harold P.: *See—*
- Hunter, Benjamin F., and Hobart.
- Hobart Manufacturing Company, assignee: *See—*
- Brookhart, Theodore C., and Meeker.
- Hobart Manufacturing Company, The, assignee: *See—*
- Meeker, David A., and Allen.
- Hobbs, Frank, Seattle, Wash. Bending mechanism. 2,399,348; Apr. 30.
- Hobbs, Henry W.: *See—*
- Brown, Cecil O., and Hobbs.
- Hobbs, James C., Painesville, Ohio. High-pressure control valve. 2,391,898; Jan. 1.
- Hobbs, James C., Painesville, Ohio. Valve seat construction. 2,391,899; Jan. 1.
- Hobbs, James C., Painesville, Ohio. Pressure sealing joint. 2,391,900; Jan. 1.
- Hobbs, John W., assignor to John W. Hobbs Corporation, Springfield, Ill. Making sealing devices. 2,406,686; Aug. 27.
- Hobbs, John W., Corporation, assignee: *See—*
- Hobbs, John W.
- Hobbs, Leonard J., Annandale, New South Wales, Australia. Combined receptacle and shield for attachment to bicycles. 2,401,245; May 28.
- Hobbs, Leonard S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Variable speed drive. 2,400,306; May 14.
- Hobbs, Leonard S., and A. V. D. Willgoos, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Variable-speed drive. 2,400,307; May 14.
- Hobbs, Marcus: *See—*
- Gross, Paul M., Hobbs, and Bradsher.
- Hobcock, Raymond H., Troy Township, Oakland County, assignor to Bundy Tubing Company, Detroit, Mich. Method of welding tube. 2,398,937; Apr. 23.
- Hobson, Frank M., and E. E. Brady, Jr., Washington, D. C. Canister support. 2,400,146; May 14.
- Hobson, H. M., (Aircraft & Motor) Components Limited, assignee: *See—*
- Maddox, Stanley V.
- Simpson, Thomas.
- Hobson, Leland S., Drexel Hill, Pa., assignor to General Electric Company. Electric circuit breaker. 2,393,164; Jan. 15.
- Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combination broiler and server for domestic ranges. 2,411,993; Dec. 3.
- Hobush, Albert P.: *See—*
- Schmid, Herman.
- Hoch, Grover C., Dubuque, Iowa, assignor to Klauer Manufacturing Company, Ventilator. 2,404,961; July 30.
- Hochfelder, Patricia, Woodmere, N. Y. Garment construction. 2,403,598; July 9.
- Hochheimer, Lawrence: *See—*
- Baril, Samuel J., and Hochheimer.
- Hochreiter, Edward, Cynwyd, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Scribing fixture. 2,402,890; June 25.
- Hochull, John H.: *See—*
- Hyde, George G., and Hochull.
- Hochwalt, Carroll A., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Production of fumarodinitrile. 2,399,349; Apr. 30.
- Hock, Alvin, Cincinnati, Ohio. Strainer. 2,412,400; Dec. 10.
- Hockery, John C., assignee: *See—*
- Grant, Albert E.
- Talge, Henry J., and Landry.
- Hocott, Claude R., Houston, Tex., assignor to Standard Oil Development Company. Evaporation tower for cooling suspensions. 2,403,719; July 9.
- Hodgdon, Stuart W., Poland, Maine. Grinding machine. 2,397,860; Apr. 2.
- Hodges, Arthur J., Washington, D. C. Method of and apparatus for testing the hardness of materials. 2,407,278; Sept. 10.
- Hodges, Paul C.: *See—*
- Morgan, Russell H., and Hodges.
- Hodges, Ralph, Normandy, and J. H. Klasey, assignors to Carter Carburetor Corporation, St. Louis, Mo. Drilling head unit. 2,395,121; Feb. 19.
- Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Fluorescent lamp starter. 2,400,353; May 14.
- Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Circuit controller. 2,402,404; June 18.
- Hodgman Rubber Company, assignee: *See—*
- Haas, Joseph L.
- Hodgson, Kenneth G., London, W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. Wide band phase shifter. 2,392,476; Jan. 8.
- Hodnette, John K., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical induction apparatus. 2,408,211; Sept. 24.
- Hodnette, John K., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical induction apparatus. 2,408,212; Sept. 24.
- Hodshon, Alfred E., Bucks County, assignor to John B. Stetson Company, Philadelphia, Pa. Manufacturing felt hats. 2,404,634; July 23.

- Hodshon, Alfred E., Lahaska, and H. H. Tucker, Merion Station, assignors to John B. Stetson Company, Philadelphia, Pa. Carroting of animal fibers. 2,411,723; Nov. 26.
- Hodshon, Alfred E., Bucks County, and H. H. Tucker, Montgomery County, assignors to John B. Stetson Company, Philadelphia, Pa. Felt hat body stiffening composition. 2,413,222; Dec. 24.
- Hodson, George F., Oklahoma City, Okla., assignor to Wilson & Company, Chicago, Ill. Egg filter. 2,393,633; Jan. 29.
- Hodson, George F., Altus, Okla., and L. L. Campbell, Riverdale, Ill., assignors to Wilson & Company, Inc. Centering device. 2,403,980; July 16.
- Hodson, Hollis C., Plainfield, Ind. Diaper container. 2,411,430; Nov. 19.
- Hoe, R. & Co., Inc., assignee: *See—*
Albrecht, Alexander J.
Braunworth, Albert.
Eckard, William K.
Huck, William F.
Zuckerman, Adolph M.
- Hoerber, Barbara O. W., executor: *See—*
Hoerber, Harold.
- Hoerber, Harold, deceased, New Bedford, Mass., B. O. W. Hoerber and W. T. Read, executors, assignors to Textile Research Co. Shuttle propelling mechanism. 2,413,629; Dec. 31.
- Hoehn, Harvey H.: *See—*
Hovk, Benjamin W., Roland, and Hoehn.
- Hoehn, Willard M., Kansas City, Mo., and A. W. Schneider, Kalamazoo, Mich., assignors to George A. Breon & Company, Kansas City, Mo. Hydroxycholoric acids. 2,398,709; Apr. 16.
- Hoekstra, Harold P., Rockville, Md. Engine starting mechanism. 2,413,045; Dec. 24.
- Hoekstra, John N., Royal Oak, Mich. Alarm system. 2,404,842; July 30.
- Hoelzgen, Fred, Saginaw, Mich. Dump car construction. 2,405,696; Aug. 13.
- Hoen, Louis Q., Santa Fe, N. Mex. Combination door latch and check. 2,401,301; June 4.
- Hoepfel, Raymond W., Arcadia, assignor to National Lead Company, Los Angeles, Calif. Treatment of well drilling fluids. 2,393,165; Jan. 15.
- Hoepfel, Raymond W., Arcadia, assignor to National Lead Company, Los Angeles, Calif. Treatment of drilling fluids. 2,393,166; Jan. 15.
- Hoern, Joseph H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Coolant contained valve. 2,394,177; Feb. 5.
- Hoern, Joseph H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Wire finishing apparatus. 2,394,381; Feb. 5.
- Hoertz, Norman: *See—*
Newton, John A., and Hoertz.
- Hoertz, Norman, Cleveland, Ohio, assignor to Thompson Products, Inc. Seal. 2,397,436; Apr. 2.
- Hoessel, Anthony F., Chicago, Ill. Pipe thread gasket. 2,407,552; Sept. 10.
- Hoessel, Anthony F., Chicago, Ill. Internal-combustion engine. 2,407,606; Sept. 10.
- Hoessel, Anthony F., assignor to Flow Controls, Incorporated, Chicago, Ill. Pipe thread gasket. 2,407,553; Sept. 10.
- Hoessel, Anthony F., assignor to Peerless of America Inc., Chicago, Ill. Vapor heating system. 2,412,168; Dec. 3.
- Hoessel, Anthony F., assignor to Peerless of America Inc., Chicago, Ill. Airplane cabin heating system. 2,412,334; Dec. 10.
- Hoewischer, Frederick W.: *See—*
Woodberry, John H.
- Hofbauer, Caspar E., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Pressure control for hydraulic systems. 2,400,418; May 14.
- Hofer, Laurence F., Oswego, Oreg. Rear view mirror. 2,408,168; Sept. 4.
- Hofer, Rolf, Kuesnacht, Switzerland. Ticket controlling means. 2,400,510; May 21.
- Hoff, Wilbur L., Hollywood, and L. I. Shaw, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Testing method. 2,393,654; Jan. 29.
- Hoffer, Henry S., West Vancouver, British Columbia, Canada, assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Antifriction screw device. 2,398,789; Apr. 23.
- Hoffer, Henry S., Vancouver, British Columbia, Canada, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Antifriction worm drive. 2,404,378; July 23.
- Hoffer, Howard G., Santa Monica, Calif. Apparatus for shaping objects provided with curved surfaces. 2,410,413; Nov. 5.
- Hoffer, James F., assignor, by mesne assignments, to Superdraulic Corporation, Detroit, Mich. Reaction ring. 2,393,773; Jan. 29.
- Hoffer, James F., Detroit, assignor to Superdraulic Corporation, Detroit, Mich. Level work supporting structure. 2,408,169; Sept. 24.
- Hoffer, Max, Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Hydroxy-pyridine derivatives. 2,400,045; May 7.
- Hoffer, Max, assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Pyridine derivatives and the manufacture of same. 2,410,933; Nov. 12.
- Hoffer, Max, assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Pyridine derivatives and the manufacture of same. 2,410,939; Nov. 12.
- Hoffer, Max, Nutley, N. J., assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Pyridine derivatives and the manufacture of same. 2,410,940; Nov. 12.
- Hoffer, Max, assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Pyridine derivative and the manufacture of same. 2,410,941; Nov. 12.
- Hoffman, Benjamin, Brooklyn, N. Y. Military chess game. 2,400,644; May 21.
- Hoffman, Carl, De Kalb, Ill. Refrigerator door opener. 2,405,887; Aug. 13.
- Hoffman, Charles M. E., Annapolis, Md. Condenser heated compartment. 2,412,774; Dec. 17.
- Hoffman, Frederick C., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Stretch forming machine. 2,412,731; Dec. 17.
- Hoffman, James A.: *See—*
Jacobsson, Wilgot J., Hoffman, and Oldham.
- Hoffman, James A., Roselle, N. J., assignor to The Linde Air Products Company. Method of and apparatus for making glass products, such as fibers and rods. 2,405,036; July 30.
- Hoffman, James A., Roselle, S. R. Oldham, West Orange, and W. J. Jacobsson, Plainfield, N. J., assignors to The Linde Air Products Company, New York, N. Y. Conduit coupling. 2,412,685; Dec. 17.
- Hoffman, Norman, assignor to Products Development, Inc., Chicago, Ill. Hair waving cap. 2,411,994; Dec. 3.
- Hoffman, Otis E., E. W. Quirk, and W. H. Sprenger, assignors to Brandt Automatic Cashier Company, Watertown, Wis. Coin handling machine. 2,406,948; Sept. 3.
- Hoffman, Royce M., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning apparatus and method. 2,398,831; Apr. 23.
- Hoffman, Ross B.: *See—*
Labin, Emil, and Hoffman.
- Hoffman, Ross B., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Supporting device for vacuum tubes. 2,391,901; Jan. 1.
- Hoffman, Ross B., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Coupled network. 2,401,353; June 4.
- Hoffman, Ross B., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Antenna switching device. 2,402,625; June 25.
- Hoffman, Ross B., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Vacuum tube connection. 2,412,987; Dec. 24.
- Hoffman, Samuel K.: *See—*
Tyler, John M., and Hoffman.
- Hoffman Specialty Co., assignee: *See—*
McClain, Clifford H.
Roche, Austin O., Jr.
- Hoffman, William A., and C. W. Mortenson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified polymeric polyhydric alcohols. 2,394,776; Feb. 12.
- Hoffman, William A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction and products therefrom. 2,396,788; Mar. 19.
- Hoffmann-La Roche, Inc., assignee: *See—*
Aeschlimann, John A.
Bergel, Franz, and Cohen, and Haworth.
Bergel, Franz, Hindley, Morrison, and Rinderknecht.
Duschinsky, Robert.
Haas, Gerhard J.
Hoffer, Max.
Karrer, Paul.
Karrer, Paul, and Isler.
Karrer, Walter.
Preiswerk, Ernst.
Schneider, Otto.
- Hoffmann, Norma, Bearings Corporation, assignee: *See—*
Smith, Charles H., and Longman.
- Hoffmann, Sylvester, executor: *See—*
Burnett, Robert N.
- Hoffmann, Ulrich, and H. Mels, Marl, Kreis Recklinghausen, Germany, vested in the Alien Property Custodian. Polymerization products from aromatic carbonyl compounds and aromatic vinyl compounds. 2,404,711; July 23.
- Hoffstad, Ole J., Rahway, N. J., assignor of one-half to A. J. Mans, Jr., Chester, N. Y. Rollable type window screen. 2,407,784; Sept. 17.
- Hoffström, Bo N., Malmö, assignor to A.-B. Aerotransport, Stockholm, Sweden. Device for supplying starting fuel. 2,402,964; July 2.
- Hoffheimer, H. Clay, II, assignee: *See—*
Mallard, Logan L.
- Hoffmann, Alfred, Palisade, D. G. Trutner, North Arlington, and F. M. Wachtler, assignee to Alfred Hoffmann, Inc., West New York, N. J. Welt turning attachment. 2,396,263; Mar. 12.
- Hoffmann, Alfred & Company, assignee: *See—*
Fiorentino, Anthony F.
- Hoffmann, Alfred, Inc., assignee: *See—*
Hoffmann, Alfred, Trutner, and Wachtler.
Wachtler, Friedrich M., and Trutner.

- Hofmann, Corris M.: *See*—
Parker, Robert P., and Hofmann.
- Hofmann, Victor E., Toledo, Ohio, assignor to Owens-Illinois Glass Company, Apparatus for making hollow thermoplastic ware. 2,401,564; June 4.
- Hogaboom, George B., New Britain, Conn. Tumbling barrel. 2,394,450; Feb. 5.
- Hogan, Ray E., Ardmore, Okla. Elevating platform apparatus. 2,411,966; Dec. 3.
- Hogdal, Herbert, and J. F. Son Holmgren, Stockholm, Sweden. Arrangement in sight apparatus for dropping objects from the air. 2,397,354; Mar. 26.
- Hogeland, Abram W.: *See*—
Eberl, David M., and Hogeland.
- Hogentmiller, Francis J., Philadelphia, F. L. Boyd, West Chester, and L. W. Boerner, Newton Square, assignors to National Foam System, Philadelphia, Pa. Fire extinguishing apparatus. 2,405,652; Aug. 13.
- Hoglund, Thure G., and G. E. Lejon, assignors to Aktiebolaget Superior, Stockholm, Sweden. Soot blower. 2,406,687; Aug. 27.
- Hoglund, William P.: *See*—
Sheldrick, Henry W., and Hoglund.
- Hohl, Ethel, et al., assignees: *See*—
Hilker, Frank T.
- Hohl, John: *See*—
Shapiro, Benjamin H., Thomas, and Hohl.
- Hohl, John, and L. Klatt, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio. Cap arranging device. 2,400,419; May 14.
- Hohmann, Albert F.: *See*—
Cooper, Benjamin, and Hohmann.
- Hohmann, Richard K., Jamaica, N. Y., and E. D. Boisselier, Glen Ellyn, assignors to Sears, Roebuck and Co., Chicago, Ill. Convertible sewing and darning machine. 2,409,758; Oct. 22.
- Hohstine, Jack T.: *See*—
Berliney, Michael, Bowden, and Hohstine.
- Hohwart, Ernest F.: *See*—
Hohwart, George, and E. F., and Buckley.
- Hohwart, Ernest P., Detroit, assignor to N. A. Woodworth Company, Ferndale, Mich. Comparator. 2,409,280; Oct. 15.
- Hohwart, Ernest F., Detroit, and G. Hohwart, Orchard Lake, Mich., assignors to N. A. Woodworth Company, Ferndale, Mich. Ring gauge. 2,413,566; Dec. 31.
- Hohwart, George: *See*—
Hohwart, Ernest F. and G.
- Hohwart, George, Orchard Lake, E. F. Hohwart, Detroit, and J. B. Buckley, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,403,599; July 9.
- Hohwieler, William U., Morrisville, Pa. Parachute dummy. 2,413,230; Dec. 24.
- Holberg, Arnold J., W. C. Ware, and C. C. Wilch, El Dorado, Ark., assignors to Lion Oil Company. Plastic cement. 2,393,774; Jan. 29.
- Holsington, David B., Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Signal-translating system. 2,410,735; Nov. 5.
- Holsington, David B., Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Pulse-modulated wave-signal receiver. 2,410,736; Nov. 5.
- Hojnowski, Jakob, Nekooosa, Wis. Bomber airplane. 2,395,547; Feb. 26.
- Hojnowski, Jakob, Nekooosa, Wis. Heating means for the outer surfaces of airplanes. 2,395,548; Feb. 26.
- Hojnowski, Jakob, Nekooosa, Wis. Toy. 2,395,549; Feb. 26.
- Hoke, Kenneth D., assignor to Fisher Furnace Company, Chicago, Ill. Rotary furnace. 2,413,231; Dec. 24.
- Holaday, Horace A., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Producing curare preparations suitable for therapeutic use. 2,397,417; Mar. 26.
- Holbro, Theodor, Basel, W. Kern, Sissach, and P. Sutter, assignors to Society of Chemical Industry in Basel, Switzerland. Vat dyestuff and making same. 2,408,259; Sept. 24.
- Holbrook, Bernard D., Madison, and M. A. Logan, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call distributing system. 2,405,214; Aug. 6.
- Holbrook, George E.: *See*—
Calcott, William S., Holbrook, and Turnbull.
- Holbrook, John K., assignor to Micropat, Inc., New York, N. Y. Microfilm viewer. 2,407,009; Sept. 3.
- Holbrook, Newton D., Thomaston, Conn. Tripod golf bag. 2,408,777; Oct. 3.
- Holbrook, Robert L., administrator: *See*—
Hicks, James A.
- Holbrook, Thomas R.: *See*—
Heath, Robert L., Fisher, and Holbrook.
- Holcomb, Harry E.: *See*—
Powell, Edward R., and Holcomb.
- Holcomb, Norman P., Warehouse Point, Conn. Spring loading machine. 2,396,700; Mar. 19.
- Holdean, Adin F., and H. M. Unruh, Hesston, Kans. Loading attachment for tractors. 2,397,487; Apr. 2.
- Holden, Artemas, assignee: *See*—
Csespely, John A.
- Holden, Artemas F., and H. Solakian, New Haven, Conn.; said Solakian assignor to said Holden. Salt bath for heat treatment and rectifier therefor. 2,394,777; Feb. 12.
- Holden, Artemas F., New Haven, Conn. Nitriding steel. 2,395,329; Feb. 19.
- Holden, Artemas F., New Haven, Conn. Heat-treatment baths. 2,400,511; May 21.
- Holden, Crofton C., assignor to Tilton & Cook Co., Leominster, Mass. Hair retainer. 2,393,376; Jan. 22.
- Holden, Norman G., Carshalton, assignor to Powers Accounting Machines Limited, London, England. Machine for making records on statistical cards. 2,397,605; Apr. 2.
- Holden, Warwick C., and J. C. Naylor, Monkseaton, assignors to Vickers-Armstrongs Limited, London, England. Hydraulic pump of the radial cylinder type. 2,404,175; July 16.
- Holland, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric air position indicator. 2,406,836; Sept. 3.
- Holder, Clinton H., Cranford, and A. B. Welty, Jr., Mountainside, N. J., assignors to Standard Oil Development Company. Aromatizing hydrocarbons. 2,392,738; Jan. 8.
- Holder, Edward T., Cheltenham, England. Vehicle for children. 2,402,046; June 11.
- Holder, Karl, Laurinburg, N. C. Safety razor. 2,405,577; Aug. 13.
- Holdsorth, Willie, Seokonk, Mass. Gill bar or faller for gill-drawing machines. 2,409,565; Oct. 15.
- Holdsorth, Willie, Seokonk, Mass. Machine for producing staple fibers from silvers composed of continuous fibers. 2,409,566; Oct. 15.
- Holfield, A. J., assignee: *See*—
Brown, Aldrich M.
- Holm, William F., North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Brake rigging. 2,394,382; Feb. 5.
- Holland, Carl M., Chicago, Ill. Timed reading device. 2,398,226; Apr. 9.
- Holland, Carl W., Seattle, Wash. Dredging device. 2,411,685; Nov. 26.
- Holland, Leonard W.: *See*—
Trotter, John C., Holland, and Schultz.
- Holland, William D., C. W. Berry, and W. O. McClintock, Henderson, Nev., assignors, by mesne assignments, to Reconstruction Finance Corporation. Handling molten magnesium. 2,399,634; May 7.
- Hollar, John V., assignor to The La Resistia Corset Company, Bridgeport, Conn. Foundation garment. 2,400,823; May 21.
- Hollies, Ernest L., Glendale, Calif. Comb. 2,408,142; Sept. 24.
- Hollenkamp, Theodore J., Detroit, Mich. Track for track-laying vehicles. 2,392,383; Jan. 8.
- Hollenkamp, Theodore J., Detroit, Mich. Extended end connection. 2,409,207; Oct. 15.
- Holleran, Dominic J., Irvington, and J. J. Cerny, Berwyn, Ill., assignors to The National Lock Washer Company, Newark, N. J. Continuous furnace. 2,391,970; Jan. 1.
- Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Brake system. 2,399,868; May 7.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Reinforcing expander tube construction. 2,404,801; July 30.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Wheel. 2,405,954; Aug. 20.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Wheel structure. 2,407,423; Sept. 10.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake block guard. 2,410,029; Oct. 29.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake structure. 2,411,920; Dec. 3.
- Holley, Earl, assignee, et al.: *See*—
Campbell, John F.
Gardner, Dale.
Holley, George M., Jr.
Olson, Elmer.
Olson, Elmer, and Kittler.
Schorn, Carl F.
Udale, Stanley M.
Udale, Stanley M., and Beard.
Udale, Stanley M., and Buick.
Holley, George M., assignee: *See*—
Udale, Stanley M., and Beard.
Holley, George M., assignee, et al.: *See*—
Campbell, John F.
Gardner, Dale.
Schorn, Carl F.
Udale, Stanley M.
Udale, Stanley M., and Buick.
Holley, George M., et al., assignee: *See*—
Holley, George M., Jr.
Holley, George M., Jr., Grosbe Pointe, Mich., assignor to G. M. and E. Holley. Fuel control valve. 2,405,888; Aug. 13.

- Holley, George M., Jr., Grosse Pointe, Mich., assignor to G. M. Holley and E. Holley. Power control. 2,407,078; Sept. 3.
- Hollingsworth, Frank W., Jr., assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa. Hook for double heddle bars. 2,394,178; Feb. 5.
- Hollingsworth, Frank W., Jr., assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa. Hook for double-heddle bars. 2,397,788; Apr. 2.
- Hollingsworth, Guilford L., Schenectady, and R. C. Jensen, Scotia, N. Y., assignors to General Electric Company. Radio communication system. 2,413,182; Dec. 24.
- Hollingsworth, R. Lee, Riverhead, N. Y., assignor to Radio Corporation of America. Gain control circuit for radiotelegraph. 2,404,712; July 2.
- Hollingsworth, R. Lee, Riverhead, N. Y., assignor to Radio Corporation of America. Electric capacity and electron capacity modulator. 2,407,424; Sept. 10.
- Hollman, Edward G., Joplin, Mo., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Lead alloy. 2,394,491; Feb. 5.
- Hollos, Zsigmond, New York, N. Y. Coupling and drive mechanism for vehicles. 2,391,971; Jan. 1.
- Holloway, Hamilton R., assignor of one-half to J. A. Bjorback, Duluth, Minn. Seed planter. 2,394,778; Feb. 12.
- Hollup Corporation, assignee: *See*—Palmer, Walter E.
- Holly, Harry H., assignor to Holly Molding Devices, Chicago, Ill. Hamburger patty maker. 2,413,046; Dec. 24.
- Holly Molding Devices, assignee: *See*—Holly, Harry H.
- Holm, Carl B., Roslags-Nasby, Sweden. Device for supplying a predetermined amount of liquid. 2,402,329; June 18.
- Holm, Carl H., Marion, Ky., assignor of twelve and one-half per cent to C. W. Lothrop, Riverside, Calif., ten per cent to W. B. Pierce, Coral Gables, Fla., twelve and one-half per cent to N. Pierce, Chicago, Ill., sixty-five per cent to himself. Torpedo counter mining device. 2,404,440; July 23.
- Holm-Hansen, Osmund, Fairfield, Conn., assignor of two-thirds to J. N. Ledbetter, Jr., New York, N. Y. Roofing construction. 2,412,401; Dec. 10.
- Holm, Herbert K.: *See*—Petty, Theodor A., and Holm.
- Holm, Luther E., Kenosha, Wis., assignor to Holm's Manufacturing Company. Adjustable seat base. 2,392,477; Jan. 8.
- Holm, Sven S.: *See*—Cooper, Roland S., and Holm.
- Holman, Arthur J., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Hemispherical generator. 2,392,478; Jan. 8.
- Holman, Arthur J., Brighton, N. Y. Precision cylindrical surface generating device. 2,398,790; Apr. 23.
- Holman, Arthur J., East Orange, N. J. Objective for projection, photography, television, and for telescope. 2,410,069; Oct. 29.
- Holman, Charles A., Seattle, Wash. Engine. 2,392,921; Jan. 15.
- Holman, Emmette R., Pasadena, assignor to Turco Products, Inc., Los Angeles, Calif. Bubble blowing device. 2,412,732; Dec. 17.
- Holman, Gustave: *See*—Holman, William and G.
- Holman, Lloyd C., Burnaby, British Columbia, Canada. Automatic gravity safety switch. 2,399,350; Apr. 30.
- Holman, William and G., Sheboygan, Wis. Battery tray. 2,402,141; June 18.
- Holman, William and G., Sheboygan, Wis. Frame corner structure. 2,408,852; Oct. 8.
- Holman, William R., Vallejo, assignor to The Permanent Metals Corporation, Oakland, Calif. Optical thickness gauge. 2,410,942; Nov. 12.
- Holmes, Dan, Campbell, New York, N. Y. Flexible joint. 2,407,155; Sept. 3.
- Holmes, Eric L., London, England, assignor to The Permutit Company, New York, N. Y. Sulphated cation exchangers. 2,393,249; Jan. 22.
- Holmes, Ernest, Company, assignee: *See*—Holmes, Ernest W.
- Holmes, Ernest W., Chattanooga, Tenn., S. B. Strang, administrator of said E. M. Holmes, deceased, assignor to Ernest Holmes Company, Chattanooga, Tenn. Hoisting apparatus. 2,405,578; Aug. 13.
- Holmes, Frederick J., Detroit, Mich. Internal-combustion engine. 2,403,282; July 2.
- Holmes, Frederick M., E.: *See*—MacNeill, Stephen M., and Holmes.
- Holmes, Frederick M., E., and J. Mihalyi, assignors to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,686; June 4.
- Holmes, Gifford L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Summer-winter control instrument. 2,403,798; July 9.
- Holmes, Henry H.: *See*—Wildt, Edwin, Holmes, and Hurd.
- Holmes, Henry H., assignor to Wildt and Company Limited, Leicester, England, a British company. Circular knitting machine. 2,396,656; Mar. 19.
- Holmes, Henry H., and A. P. Saunders, Leicester, England, assignors to Wildt and Company Limited. Circular knitting machine. 2,412,267; Dec. 10.
- Holmes, Herbert G., Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Headlight tester. 2,411,879; Dec. 3.
- Holmes, John E., Auburndale, Mass. Fluorescent lighting unit. 2,406,145; Aug. 20.
- Holmes, John E., Auburndale, Mass. Fluorescent lighting unit. 2,406,146; Aug. 20.
- Holmes, Lawrence Jr., Los Angeles, Calif. Aerial projectile. 2,412,151; Dec. 3.
- Holmes, Lowell L., Scotia, N. Y., assignor to General Electric Company. Cabinet for electrical apparatus. 2,394,060; Feb. 5.
- Holmes, Lynn C.: *See*—Litchford, William B., and Holmes.
- Holmes, Paul J., assignor of one-half to R. R. Stoddard, Los Angeles, Calif. Radio navigation system. 2,401,565; June 4.
- Holmes, Ralph S.: *See*—Tolson, William A., and Holmes.
- Wolf, Irving, and Holmes.
- Holmes, Ralph S., Haddonfield, and J. P. Smith, Eriton, N. J., assignors to Radio Corporation of America. Receivers for pulse position indicating systems. 2,403,600; July 2.
- Holmes, Roger B.: *See*—Hill, Arthur J., and Holmes.
- Holmes, Roger B., South River, N. J., and A. J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y. Dialkylaminopropanol esters of benzoic acid. 2,399,736; May 7.
- Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Prewelt cementing and forming machine. 2,392,849; Jan. 15.
- Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Upper shaping machine. 2,395,480; Feb. 26.
- Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of prewelt shoes. 2,406,462; Aug. 27.
- Holmgren, Jarl F., Son: *See*—Hogdal, Herbert, and Holmgren.
- Holmqvist, Carl W., assignor to Copperweld Steel Company, Elizabeth, Pa. Making bimetallic ingots. 2,398,529; Apr. 16.
- Holmqvist, Seth A., Koteborg, assignor to Telefoanaktiebolaget L. M. Ericsson, Stockholm, Sweden. Device for measuring alternating currents. 2,393,775; Jan. 29.
- Holm's Manufacturing Company, assignee: *See*—Holm, Luther E.
- Holmstrom, John G., and W. M. Brown, assignors to Kenworth Motor Truck Corporation, Seattle, Wash. Torsion rod springing of tandem-axle vehicle. 2,395,183; Feb. 19.
- Holophone Company, Inc., assignee: *See*—Frank, Kurt.
- Rolph, Thomas W.
- Tuck, Davis H., Franck, and Quack.
- Holowenko, Alfred R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torsional vibration absorber. 2,411,373; Nov. 19.
- Holroyd, Ronald, and D. H. P. Peel, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of aromatic hydrocarbons. 2,411,726; Nov. 26.
- Holschuh, Carl G., Woodridge, N. J., and O. A. Vleehar, New York, assignors to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Computing aircraft gun sight. 2,396,701; Mar. 19.
- Holschuh, Carl G., Huntington, and D. Fram, assignors to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Sighting device. 2,399,676; May 7.
- Holschuh, Carl G., Woodridge, N. J., and D. Fram, assignors to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Aircraft fire control computer. 2,407,665; Sept. 17.
- Holsclaw, Neil, Los Angeles, Calif., assignor of one-half to F. E. Sudlow, Rock Island, Ill. Torsorial device. 2,409,281; Oct. 15.
- Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Signaling system. 2,409,208; Oct. 15.
- Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, assignors to Radio Corporation of America. Frequency counter circuit. 2,411,573; Nov. 26.
- Holt, Benjamin M.: *See*—Reed, Homer C., and Holt.
- Holt, Francis A.: *See*—Crouse, George B., and Holt.
- Crouse, George B., Holt, and Jatlow.
- Holt, Harold S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal protective coatings. 2,402,551; June 25.
- Holt, Laurence C.: *See*—Howorth, Harmon, and Holt.
- Holt, Philetus H., II: *See*—Meinert, Richard N., and Holt.
- Holt, Philip J., S. Navy. Automatic pilot for aircraft. 2,401,354; June 4.

- Holt, Pliny G., U. S. Navy. Differential rudder lever control. 2,406,374; Aug. 27.
- Holt, Ray G., Euclid, assignor to Pesco Products Co., Cleveland, Ohio. Pressure switch. 2,405,142; Aug. 6.
- Holt, Raymond B.: *See*—
Barnes, Lewis C., and Holt.
- Holt, Samuel K.: *See*—
Arndt, Donald G., and Holt.
- Holt, Sherman H., Tulsa, Okla. Pump plunger. 2,408,979; Oct. 8.
- Holt, Wendell R., U. S. Navy. Educational device. 2,402,162; June 18.
- Holter, Harold: *See*—
Erwood, Joseph, and Holter.
- Holtham, Gerald J., U. S. Navy. Smoke screen generator. 2,401,761; June 11.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Heating system. 2,393,167; Jan. 15.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Portable heater. 2,396,657; Mar. 19.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Heating apparatus. 2,400,116; May 14.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Heating apparatus. 2,400,117; May 14.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Heating system. 2,405,143; Aug. 6.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Heating system. 2,405,144; Aug. 6.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Heating system. 2,405,145; Aug. 6.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Heater. 2,405,427; Aug. 6.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Control means for liquid supply systems. 2,406,604; Aug. 27.
- Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Unit heater. 2,412,088; Dec. 3.
- Holthouse, Harry B., Jr., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Liquid fuel preparing apparatus. 2,411,040; Nov. 12.
- Holtie, John F., New York, N. Y. Glass fragmentation control. 2,397,141; Mar. 26.
- Holton, George E., C. E. Heglund, and J. V. Manson, assignors to Hinkle-Myers Division of Kent-Moore Organization, Inc., Jackson, Mich. Tensiometer. 2,403,799; July 9.
- Holtz, Robert F., Merchantville, N. J., assignor to Radio Corporation of America. Protection for electron tubes. 2,407,880; Sept. 17.
- Holtzman, Abraham, New York, N. Y. Album picture holder. 2,403,530; July 9.
- Holtzman, John, New York, N. Y., assignor of one-half to L. F. Goodfriend, New York, N. Y. Lighter. 2,395,783; Feb. 26.
- Holy, Mitchell E., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Bottle carrier. 2,401,158; May 28.
- Holzhauser, Carl J. F.: *See*—
Nord, Evan W., and Holzhauser.
- Holzwarth, Hans T.: *See*—
Holzwarth, Hans T.
- Holzwarth, Hans T., Woodmere, N. Y., assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Gas purifying apparatus. 2,413,324; Dec. 31.
- Holworth, Laurette T., assignee, et al.: *See*—
Du Bois, Joseph E.
- Homan, Clarence N., Minneapolis, Minn. Window construction. 2,411,727; Nov. 26.
- Homan, Theodore J.: *See*—
Huddeon, Walter D., and Homan.
- Rome Curtain Corporation, assignee: *See*—
Lepow, Edward.
- Tenkko, Richard S., and Katz.
- Homer, Jacob: *See*—
Fleisher, Harry, and Homer.
- Homer, John W.: *See*—
Kindig, Arnie J., and Homer.
- Homer Laughlin China Company, The, assignee: *See*—
Emerson, Walter H.
- Homeyer, August H.: *See*—
Wallingford, Vernon H., and Homeyer.
- Homeyer, August H., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. 2-oxazoloidone compounds and preparing the same. 2,399,118; Apr. 23.
- Homrighous, John H., Oak Park, Ill. Self-synchronizing television system. 2,398,641; Apr. 16.
- Homrighous, John H., Oak Park, Ill. Method and system for television communication. 2,398,642; Apr. 16.
- Homrighous, John H., Oak Park, Ill. Multifilament lamp. 2,405,789; Aug. 13.
- Homrighous, John H., Oak Park, Ill. Facsimile communication system. 2,409,488; Oct. 15.
- Honegger, Willy, Zurich, Switzerland. Weighing apparatus. 2,395,784; Feb. 26.
- Honerkamp, Friedrich, assignor to Anemostat Corporation of America, New York, N. Y. Air outlet device for ventilating apparatus. 2,398,938; Apr. 23.
- Honger, Guido, Geneva, Switzerland. Fuse for automatic destruction of shells. 2,405,653; Aug. 13.
- Hongo, Arnie J., McNeal, Ariz. Cigarette maker. 2,409,935; Oct. 22.
- Honig, P., trustee: *See*—
Brak, Hendrik R.
- Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of spraying glass machinery. 2,412,268; Dec. 10.
- Honold, Ernst: *See*—
Zerweck, Werner, and Honold.
- Honorary Advisory Council for Scientific and Industrial Research, The, assignee: *See*—
Gallay, Wilfred, and Graham.
- Niven, Charles D.
- Hood, Andrew Llanwrda, Wales. Concrete piling wall unit. 2,400,694; May 21.
- Hood, Edwin E., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,394,690; Feb. 12.
- Hood, Edwin E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Coaster brake. 2,410,785; Nov. 5.
- Hood, Frank E. and J. E., Long Beach, Calif. Power saw for cutting plaster casts. 2,399,677; May 7.
- Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Glass having low power factor. 2,410,286; Oct. 29.
- Hood, James E.: *See*—
Hood, Frank E. and J. E.
- Hood, Reuben H., Durango, Colo. Grinding implement for articles of hard material. 2,397,006; Mar. 19.
- Hood, Robert L., Stamford, and J. W. Berry, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Photoelectric turbidimeter. 2,411,092; Nov. 12.
- Hood, Stanley R.: *See*—
Alban, Clarence F., and Hood.
- Hooe, Hunter E.: *See*—
Mehan, Thomas O., and Hooe.
- Hooe, John M.: *See*—
Volcanau, Robert H., and Hooe.
- Hoof Products Company, assignee: *See*—
Sprague, Robert B.
- Hook, Edwin O.: *See*—
Cook, Elmer W., and Hook.
- Hooker Electrochemical Company, assignee: *See*—
Teasblomson, Joy E., and Kimball.
- Osborne, Sidney G., and Mitchell.
- Spence, Harry R., and Hooker.
- Stuart, Kenneth E.
- Hooker, George W., L. R. Drake, and S. C. Stowe, assignors to The Dow Chemical Company, Midland, Mich. Reaction of sulphur dioxide with diolefines and separation of latter from hydrocarbon mixtures. 2,395,050; Feb. 19.
- Hooker, George W., L. R. Drake, and S. C. Stowe, Midland, Mich., assignors to The Dow Chemical Company. Diolefine sulphones. 2,402,891; June 25.
- Hooker, Horace W.: *See*—
Spence, Harry R., and Hooker.
- Hooley, Joseph G., assignor to Corning Glass Works, Corning, N. Y. Fluorescent glass and lamp made therefrom. 2,393,469; Jan. 22.
- Hooley, Joseph G., assignor to Corning Glass Works, Corning, N. Y. Ultra-violet transmitting glass. 2,398,530; Apr. 16.
- Hooley, Joseph G., assignor to Corning Glass Works, Corning, N. Y. Fluorescent glass composition. 2,400,147; May 14.
- Hooper, F. X., Company, Inc., assignee: *See*—
Fitchett, Thomas S., Greenwood, and Shackelford.
- Hooper, Lester B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Press. 2,401,302; June 4.
- Hooper, Roy S., assignee: *See*—
McDougall, Stanley W.
- Hooser, Donald B.: *See*—
Taylor, Raymond G., Jr., and Hooser.
- Hooser, Donald B., assignor to The Guberson Corporation, Dallas, Tex. Well tool. 2,392,244; Jan. 1.
- Hoover Company, The, assignee: *See*—
Acheson, Louis K.
- Babcock, Earl.
- Beach, Justice H.
- Bible, Walter E.
- Brace, George A.
- Coons, Curtis C.
- Gross, Alfred G.
- Kitto, William H.
- Penn, Carl O.
- Siedle, Arnold D.
- Sloan, Homer H.
- Smellie, Donald G.
- Sutton, Otis B.
- Swann, Edward R.
- Troxler, Charles G.
- White, Harry B.

- Hoover, Edward M., Anderson, Ind. Reciprocating tool. 2,407,785; Sept. 17.
- Hoover, Edwin E.: *See—*
Hoover, Frank M. and E. E.
- Hoover, Frank M. and E. E., assignors to Hoover Products, Inc., Youngstown, Ohio. Roly-poly device. 2,403,531; July 9.
- Hoover, George R., and N. E. Hays, assignors to The American Rolling Mill Company, Middletown, Ohio. Preparation of galvanized sheets to receive resinous coatings. 2,407,831; Sept. 17.
- Hoover, Herbert, Jr., Sierra Madre, assignor, by mesne assignments, to United Geophysical Company, Pasadena, Calif. Seismic exploration system. 2,395,481; Feb. 26.
- Hoover, Herbert, Jr., Sierra Madre, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Range finder. 2,400,552; May 21.
- Hoover Limited, assignee: *See—*
Wilson, Cecil B., and White.
- Hoover Products, Inc., assignee: *See—*
Hoover, Frank M. and E. E.
- Hoover, Ray: *See—*
Anderson, James N., and Hoover.
- Hoover, Richard D.: *See—*
Graham, William R., Jr., Kohler, and Hoover.
- Hoover, Robert R., assignee: *See—*
Berlin, Nelson
- Hoover, Samuel R., Philadelphia, Pa., P. J. Allen, Robles del Rio, Calif., and J. Naghsli, Philadelphia, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Guayule rubber by fermentation. 2,405,858; Oct. 8.
- Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Stop means for rotating shafts. 2,397,861; Apr. 2.
- Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Sealing driving motors of submersible pumps. 2,404,635; July 23.
- Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Stator for electric machines. 2,408,854; Oct. 8.
- Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Cooling of driving motors of submersible pumps. 2,410,973; Nov. 12.
- Hoover, Walter S., Montreal, Quebec, Canada. Hydraulic compensating propeller. 2,403,532; July 9.
- Hoover, Walter S., Montreal, Quebec, Canada. Variable diameter and variable pitch propeller. 2,404,290; July 16.
- Hoover, Walter S., West Hartford, Conn. Blade phase and constant speed synchronizer for multiple motor aircraft. 2,410,659; Nov. 5.
- Hope, Lawrence P., Grosse Pointe Farms, assignor to General Motors Corporation, Detroit, Mich. Torsion-graph. 2,399,635; May 7.
- Hopkins, Arthur G., Maspeth, Long Island, N. Y. Tin depositing process. 2,408,515; Oct. 1.
- Hopkins, David W., Philadelphia, Pa. Lubricated shut-off butterfly valve. 2,392,922; Jan. 15.
- Hopkins, Frank H., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Method and means for relieving fluid pressure. 2,396,574; Mar. 12.
- Hopkins, Frank H., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Pressure actuated control device. 2,399,737; May 7.
- Hopkins, Nevil M., deceased, New York, N. Y.; R. B. Hopkins, executor, assignor, by mesne assignments, to R. B. Hopkins, S. Lloyd, and M. T. Quigg, trustees. Explosive device. 2,402,552; Jan. 25.
- Hopkins, Nevil M., deceased, R. B. Hopkins, executor, assignor to R. B. Hopkins, New York, N. Y. Rendering a bomb inactive. 2,404,441; July 23.
- Hopkins, Nevil M., deceased, New York, N. Y.; R. B. Hopkins, executor, assignor, by mesne assignments, to R. B. Hopkins, S. Lloyd, and M. T. Quigg, as trustees. Torpedo. 2,404,908; July 30.
- Hopkins, Nevil M., deceased, New York, N. Y.; R. B. Hopkins, executor, assignor, by mesne assignments, to R. B. Hopkins, S. Lloyd, and M. T. Quigg, as trustees. Dual-purpose aerial bomb. 2,409,282; Oct. 15.
- Hopkins, Nevil M., deceased, New York, N. Y.; R. B. Hopkins, executor, assignor, by mesne assignments, to R. B. Hopkins, S. Lloyd, and M. T. Quigg, as trustees. Nonleak liquid explosive filler system for ammunition. 2,409,858; Oct. 22.
- Hopkins, Raymond B., assignee et al.: *See—*
Hopkins, Nevil M.
- Hopkins, Raymond B., executor: *See—*
Hopkins, Nevil M.
- Hopkins, Raymond B., executrix: *See—*
Hopkins, Nevil M.
- Hopkins, Raymond B., trustee, assignee: *See—*
Hopkins, Nevil M.
- Hopkins, Raymond B., trustee, assignee, et al.: *See—*
Hopkins, Nevil M.
- Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Processing clad material. 2,394,383; Feb. 5.
- Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Method and apparatus for casting metal. 2,397,789; Apr. 2.
- Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Mold core. 2,405,254; Aug. 6.
- Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Apparatus for producing metal. 2,406,147; Aug. 20.
- Hopping, Ernest L., Brookline, Pa. Hopper construction. 2,409,567; Oct. 15.
- Hoppmann, William H., Jr., Valley Stream, and D. T. Theodore, Elmhurst, Long Island, N. Y. Adjustable ventilation terminal. 2,400,880; May 28.
- Hopps, Bernard, and C. J. Smithells, assignors to Lodge Plugs Limited, Rugby, England. Sparking plug. 2,408,642; Oct. 1.
- Hopwood, John M., assignee: *See—*
Anderson, George R.
Donaldson, Robert R.
- Hor, Quan, Boston, Mass. Nose pump. 2,412,269; Dec. 10.
- Horak, Stanley R., Racine, Wis., and R. V. Tyrrell, Los Angeles, Calif. Combat parachute. 2,393,634; Jan. 29.
- Horan, Joseph H., Bronx, N. Y. Agitator for liquid cooling systems. 2,410,162; Oct. 29.
- Horecny, Joseph T.: *See—*
Wadley, Edward F., and Horecny.
- Horecny, Joseph T., and E. F. Wadley, Baytown, Tex., assignors to Standard Oil Development Company. Separation of olefins. 2,392,739; Jan. 8.
- Horecny, Joseph T., and E. F. Wadley, Baytown, Tex., assignors to Standard Oil Development Company. Separation of olefins. 2,392,740; Jan. 8.
- Horgan, George D., Harrow, assignor to H. Gamble, London, England. Packaging machine for cigarette books or like articles. 2,402,047; June 11.
- Horiacher, Albert F., Genoa, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Sound translating device. 2,404,877; July 30.
- Horlick, John: *See—*
Richardson, George, and Horlick.
- Horman, John H., Tuckahoe, assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Electromagnetic relay. 2,393,535; Jan. 22.
- Horman, John H., Tuckahoe, assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Relay. 2,412,580; Dec. 17.
- Horn, Charles L., assignee: *See—*
Reed, Cortes F.
- Horn, Clyde H., Saint Simon Island, Ga. Salt and sugar oven. 2,398,939; Apr. 23.
- Horn, Franklin S., assignee, et al.: *See—*
Bell, Arthur B.
- Horn, Robert W.: *See—*
Compton, James A., and Horn.
- Horn, Walter J., assignee, et al.: *See—*
Bell, Arthur B.
- Hornbarger, Earl H.: *See—*
Schaeclhin, Walter, and Hornbarger.
- Hornberger, Carl S., Glen Ellyn, Ill., assignor to Central Scientific Company. Timing device. 2,402,965; July 2.
- Hornberger, Eugene A., North Bergen, N. J. Home spinach washer. 2,399,926; May 7.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Reel. 2,392,148; Jan. 1.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Paper machine sectional drive. 2,392,149; Jan. 1.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Steam joint. 2,402,224; June 18.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Drier drum. 2,412,733; Dec. 17.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Drying drum having heat-exchange-fluid supply and removal means. 2,413,567; Dec. 31.
- Hornbostel, Lloyd and E. D. Beachler, assignors to Beloit Iron Works, Beloit, Wis. Suction roll helper drive. 2,392,150; Jan. 1.
- Horne, Frederick E., Jr., Glendale, Calif. Burning tool. 2,394,612; Feb. 12.
- Horne, John T., Layton, Utah. Trailer brake. 2,407,156; Sept. 3.
- Horne, William A., Atlanta, Ga. Filing drawer. 2,393,536; Jan. 22.
- Horneman, Herman C., R. V. Huszong, and S. N. Quam, Danville, Ill., and B. W. Hammer, Ames, Iowa, assignors, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill. Butter-making means. 2,395,951; Feb. 19.
- Horner, Reginald G.: *See—*
Harrison, Geoffrey B., Hercock, and Horner.
- Hornebeck, Anthony J.: *See—*
Ryder, John D., and Hornebeck.
- Hornebeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Measuring system. 2,400,221; Aug. 20.
- Hornl, Paul P., Newark, N. J. Vehicle mounted fruit picker. 2,410,030; Oct. 29.
- Horning, Francis and H. Gallon, Ohio. Material handling attachment for tractors. 2,407,425; Sept. 10.
- Horning, Howard: *See—*
Horning, Francis and H.
- Hornkem Corporation, assignee: *See—*
Daniel, Frederick K., and Hutchings.

- Horman, John H., Tuckahoe, assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Electromagnetic relay. 2,407,744; Sept. 17.
- Horr, John V., North Tarrytown, assignor to Elinson-Freeman Co., Inc., Long Island City, N. Y. Cardboard camouflage structure. 2,393,776; Jan. 29.
- Horr, John V., North Tarrytown, assignor to Elinson-Freeman Co., Inc., Long Island City, N. Y. Display device. 2,394,122; Feb. 19.
- Horsfall, John L., assignor to American Cyanamid Company, New York, N. Y. 2-ethylhexyl fluoroacetate. 2,409,859; Oct. 22.
- Horsfall, Robert B., Jr., assignee: *See—*
Houghton, Olin W., Horsfall, and Perkins.
- Horsfield, Basil, Florence, Ala., assignor to Orefraction Incorporated, Pittsburgh, Pa. Electrostatic separation of material particles. 2,392,044; Jan. 1.
- Horsley, George F., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, Activating catalysts. 2,408,396; Oct. 1.
- Horsley, Lee H.: *See—*
Nutting, Howard S., and Horsley.
- Horst, Roy A.: *See—*
Quinn, John, and Horst.
- Horsthotte, Edward H., Erie, Pa., assignor to General Electric Company. Condition control system. 2,394,061; Feb. 5.
- Horstman, Clifford C.: *See—*
Eisey, Howard M., and Horstman.
- Horstman, Clifford C., Sharpville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic core structure for three-phase transformers. 2,411,574; May 19.
- Horstman, Clifford C., and J. H. Bramble, Sharpville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transformer core. 2,400,994; May 28.
- Horstmann, Bevan G., Bath, assignor to The Sperry Gyroscope Company Limited, Brentford, England. Dual control system. 2,394,384; Feb. 5.
- Horstmann, Bevan G., Bath, assignor to The Sperry Gyroscope Company Limited, Brentford, Middlesex, England. Combined manual and automatic control means for aircraft. 2,395,951; Mar. 19.
- Horton, Aaron W., Thorofare, and J. Kellett, III, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Producing olefinic hydrocarbons. 2,406,688; Aug. 27.
- Horton, Aaron W., Detroit, Mich., assignor to Socony-Vacuum Oil Company, Incorporated. Catalytic alkylation process. 2,410,070; Oct. 29.
- Horton, Aaron W., Detroit, Mich., and J. W. Brooks, Wenonah, and A. A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic alkylation process. 2,410,071; Oct. 29.
- Horton, Aaron W., Detroit, Mich., and J. W. Brooks, Wenonah, and A. A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation of isobutane with propylene. 2,410,072; Oct. 29.
- Horton, Arthur W., Jr.: *See—*
Babcock, Stuart M., Horton, and Logan.
- Horton & Converse, assignee: *See—*
Long, Wendal D.
- Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,392,670; Jan. 8.
- Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Gauge. 2,401,566; June 4.
- Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Marking machine. 2,408,516; Oct. 1.
- Horton, Karl R., Portland, Ore. Venetian blind. 2,405,255; Aug. 6.
- Horton, Lucien B., Independence, and F. C. Speed, Kansas City, Mo., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Gauging and assorting apparatus. 2,409,682; Oct. 22.
- Horton Manufacturing Company, assignee: *See—*
Bradley, William H.
- Horton, Stephen V., Lake Forest, Ill., assignor to S. V. H. Corporation. Hair remover. 2,413,325; Dec. 31.
- Horvat, Kalman, New York, N. Y. Jaw gauge for dental treatment. 2,403,366; July 2.
- Horvit, John D., Roxbury, assignor to Spencer Shoe Corporation, Boston, Mass. Welked shoe. 2,397,316; Mar. 26.
- Horvitz, Leo, Houston, Tex. Geochemical prospecting. 2,400,420; May 14.
- Hosben, Louis H., Glencoe, assignor to M. H. Detrick Company, Chicago, Ill. Furnace wall. 2,413,183; Dec. 24.
- Hosiery Patents Inc., assignee: *See—*
Welsbecker, Frank G., and J.
- Hosking, Oakley W., Monroe, N. Y., assignor to Composite Rubber Products Corporation, Bridgeport, Conn. Direct bonding of rubber to metal. 2,409,759; Oct. 22.
- Hosking, Richard T., Wilmette, Ill. Lock nut. 2,391,902; Jan. 1.
- Hosman, David F., Omaha, Nebr. Combination cooker and ricer. 2,406,769; Sept. 3.
- Hosmer, Ambrose, Minneapolis, Minn. Corer and slicer. 2,397,007; Mar. 19.
- Hospital Furniture Corporation, assignee: *See—*
Liptay, John M., and Restivo.
- Hoss, Myrtle E., assignee: *See—*
Lantz, Elmer G.
- Höss, Otto: *See—*
Schnee, Carl, Walter, Inhoffen, Steinruck, and Höss.
- Hossfeld, Ralph L.: *See—*
Salvesen, Jorgen R., Hossfeld, and Lovin.
- Hosteler, James L., Leavenworth, Kans. Holder for miner's lamp. 2,399,030; Apr. 23.
- Hotchkiss, Los Angeles, Calif. Low speed motor. 2,393,045; Jan. 15.
- Hotstream Heater Company, The, assignee: *See—*
Crew, Morris W.
Morrow, Clarence H.
Short, George A.
- Hotvedt, Ludvig C., Cambridge, England. Combination hand tool. 2,407,832; Sept. 17.
- Hotze, Henry & Sons Company, assignee: *See—*
Riegs, John.
- Houck, James F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control desk. 2,394,062; Feb. 5.
- Houck, James P., and R. A. Geiselman, assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Control system. 2,399,351; Apr. 30.
- Houck, Robert C.: *See—*
Sheppard, Samuel E., and Houck.
- Houck, Robert C., J. Russell, and S. E. Sheppard, assignors to Eastman Kodak Company, Rochester, N. Y. Contriving the isoelectric point of gelatin. 2,398,004; Apr. 9.
- Houdaille-Hershey Corporation, assignee: *See—*
Chisholm, Harry L., Jr.
Jandus, Herbert S.
Johnson, Bernard C.
Magnum, Gervase M.
Margum, Gervase M., and O'Connor.
Sandberg, Ray A.
Schok, Joseph B.
- Houdry, Eugene J., Ardmore, and H. A. Shabaker, Media, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Catalysis. 2,399,678; May 7.
- Houdry Process Corporation, assignee: *See—*
Bates, John R.
Bates, John R., and Shabaker.
Bond, George R., Jr.
Houdry, Eugene J., and Shabaker.
Newton, Roger H.
Peterkin, Albert G.
Weiser, Harry B., and Milligan.
Welsch, Harry B., Smith, and Mackay.
- Hough, Frank G., Co., The, assignee: *See—*
Conrad, Marcus L.
- Hough, Zachariah R., Banning, Pa. Hack saw. 2,399,869; May 7.
- Houghton, Ellis M., Marion, assignor to Double Duty Products, Inc., Cleveland, Ohio. Dispensing closure structure. 2,393,322; Jan. 22.
- Houghton, Henry G., Wellesley Hills, Mass. Spray nozzle. 2,410,215; Oct. 29.
- Houghton, Joseph Y., Chevy Chase, Md., and E. L. Kilpatrick, U. S. Navy. System for determining 3-dimensional angle of approach or incidence of radio waves. 2,395,871; Mar. 5.
- Houghton, Leslie W.: *See—*
Beatty, William A., and Houghton.
Chatterjee, Pratulla K., and Houghton.
- Hongland, Albert C. and G. S., New York, N. Y. Churn. 2,397,488; Apr. 2.
- Houglund, Glen S.: *See—*
Houglund, Albert C. and G. S.
- Houk, Alva L.: *See—*
Bock, Louis H., and Houk.
- Houk, Mansel E.: *See—*
Hileman, George A., and Houk.
- Honkate, Henry J., and P. D. R. Marks, assignors to Guy R. Fountain Limited, London, England. Apparatus for testing microphones. 2,394,613; Feb. 12.
- House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,412,335; Dec. 10.
- House, Maurice Beaud & Fils, assignee: *See—*
Beaud, Emile.
- Householder, Leland E.: *See—*
Zeigler, Paul P., and Householder.
- Houser, Jesse E., assignor to The Dayton Liquid Meter Co., Dayton, Ohio. Oil circulatory system employed in fuel injection pumps. 2,395,830; Feb. 19.
- Houston, Howard G., and J. B. Humphrey, Inglewood, Calif. Oil well sand pump. 2,405,697; Aug. 13.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polymeric solutions. 2,404,713; July 23.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of solutions. 2,404,717; July 23.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dissolving of polymers. 2,404,718; July 23.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrylonitrile polymer solutions. 2,404,719; July 23.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer products. 2,404,720; July 23.

- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer products and producing same. 2,404,721; July 23.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrylonitrile polymer solutions. 2,404,722; July 23.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing solutions of polymers. 2,404,724; July 23.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dissolving of polymers. 2,404,727; July 23.
- Hovey, C. Earl, assignee: *See*—
Baldwin, Glenn W.
Bloomfield, Samuel
Johnson, Elmer C.
McGuire, John S.
- Hovey, C. Earl, assignee, trustee: *See*—
Andalkiewicz, Boley A.
Denison, Noel M.
- Hovgaard, Ole M.: *See*—
Elliott, Stanley J., Hovgaard, Mallina, and Thomas.
- Howald, Werner, Zurich, Switzerland. Piston for internal-combustion engines. 2,394,179; Feb. 5.
- Howard, Alan: *See*—
Morey, Arthur H., and Howard.
- Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Bladed machine element. 2,412,615; Dec. 17.
- Howard, Arthur C., Umpperston, England. Trench digging machine. 2,403,367; July 2.
- Howard, Bob, West Los Angeles, Calif. Health cabinet. 2,406,222; Aug. 20.
- Howard, Carol: *See*—
Miller, Robert A., and Howard.
- Howard, Cecil D., Swarthmore, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Welding apparatus. 2,403,221; July 2.
- Howard, Charles R., Greenbelt, Md. Double point drafting device. 2,394,452; Feb. 5.
- Howard, Dana C., Springfield, Mass. Dial and pointer apparatus. 2,400,553; May 21.
- Howard, Elmer E., Buffalo, assignor to The Carborundum Company, Niagara Falls, N. Y. Reinforced abrasive article and method of making same. 2,398,890; Apr. 23.
- Howard Foundry Company, assignee: *See*—
Brooks, John A.
- Howard, George E., Butler, Pa. Valve actuating mechanism for internal-combustion engines. 2,410,660; Nov. 5.
- Howard, George G., assignor to Scovill Manufacturing Company, Waterbury, Conn. Hose coupling. 2,403,368; July 2.
- Howard, James, Jr., Fairfield, and A. C. Noland, Pratt City, Ala. Curtain hanger. 2,411,431; Nov. 19.
- Howard, John B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated. Manufacture of polyesters. 2,410,073; Oct. 29.
- Howard, John J., Philadelphia, Pa. Refining metals. 2,397,418; Mar. 26.
- Howard, Posy A., assignor of one-half to C. A. Mathey and one-half to C. B. Harter, Tulsa, Okla. Pipe-cutting apparatus. 2,408,517; Oct. 1.
- Howard, Robert E.: *See*—
Bray, John L., and Howard.
- Howard, Royal V., San Francisco, Calif. Automatic regulating system. 2,392,384; Jan. 8.
- Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Carton. 2,395,663; Feb. 26.
- Howard, Styles T., Jeffersonville, Ind. Filter. 2,397,142; Mar. 26.
- Howard, Willis G., Indianapolis, Ind. Holding tray for egg treating machines. 2,407,079; Sept. 3.
- Howard, Willis G., Indianapolis, Ind. Apparatus for de-crating eggs. 2,410,163; Oct. 29.
- Howe, Andrew F., University City, assignor to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo. Coal devolatilizer. 2,406,077; Aug. 20.
- Howe, Earl E., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Tubular connection and sealing means therefor. Re. 22,713; Jan. 22.
- Howe, Goodwin, Scotia, N. Y., assignor to General Electric Company. Making permanent magnet alloys consisting of silver, manganese and aluminum. 2,399,031; Apr. 23.
- Howe, Goodwin H., Menands, N. Y., assignor to General Electric Company. Making permanent magnet alloys consisting of silver, manganese and aluminum. 2,399,032; Apr. 23.
- Howe, Llewellyn S.: *See*—
Checot, Vladimir L., and Howe.
- Howe, Louis H., Portland, Oreg. Gauge for grinding tool bits. 2,397,738; Apr. 2.
- Howe, Ralph F.: *See*—
Vanderbilt, Byron M., and Howe.
- Howe Scale Company, The, assignee: *See*—
Barnes, Lewis C., and Holt.
Syrcher, Edward W., McNair, and Crump.
- Howe, Wilfred H., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Specific gravity measuring device. 2,394,549; Feb. 12.
- Howe, Winthrop C., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,399,738; May 7.
- Howell, Edward T.: *See*—
Lee, Henry B., and Howell.
- Howell, Fred E., assignee: *See*—
Truesdell, Robert S.
- Howell, Joe S., Jennings, Fla. Attachable key. 2,399,139; Apr. 23.
- Howell, John D., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gun sight. 2,398,809; Apr. 9.
- Howell, John D., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Producing external broaches. 2,398,310; Apr. 9.
- Howells, John N. M., Kittery, Maine. Machine for driving curved self-retroverting nails. 2,403,222; July 2.
- Howerton, David R., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic materials. 2,396,375; Mar. 12.
- Howes, Donald A., and E. W. M. Fawcett, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company, Limited, London, England. Production of isoparaffins. 2,399,927; May 7.
- Howk, Benjamin W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and preparation. 2,402,626; June 25.
- Howk, Benjamin W., J. J. Roland, and H. H. Hoehn, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polish compositions. 2,409,683; Oct. 22.
- Howland, Louis H., Watertown, and P. T. Paul, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Antioxidants. Re. 22,808; Nov. 5.
- Howlett, John W., assignor to Wellworthy Piston Rings Limited, Lymington, England. Piston. 2,394,241; Feb. 5.
- Howlett, John W., assignor to Wellworthy Piston Rings Limited, London, England. Piston. 2,398,005; Apr. 9.
- Howorth, Harmon, and L. C. Holt, Pearisburg, Va., assignors to Celanese Corporation of America. Treatment of staple fiber. 2,406,542; Aug. 27.
- Howry-Berg, Inc., assignee: *See*—
Galbreath, Robert H.
- Hoy, Joseph A., Hialeah, Fla. Safety flashlight for pedestrians and bicycle riders. 2,408,643; Oct. 1.
- Hoyer, Arnold Z., Conschocken, Pa., assignor, by mesne assignments, to Kimble Glass Company, Vineland, N. J. Thermohydrometer. 2,410,081; Oct. 29.
- Hoyle, Robert L., assignor, by mesne assignments, to Burgess Manufacturing Company, Chicago, Ill. Communication booth. 2,397,606; Apr. 2.
- Hoyle, Cyril N.: *See*—
Bierwirth, Rudolph A., and Hoyle.
- Hoyle, Cyril N., Audubon, N. J., assignor to Radio Corporation of America. Method of and apparatus for drying moisture laden articles. 2,403,800; July 9.
- Hoynacke, Anthony J.: *See*—
Lemont, Clarence J., and Hoynacke.
- Hoyt, Frederick A.: *See*—
Fetzer, Karl M., and Hoyt.
- Hoyt, Richard A.: *See*—
Levi, Ormonde S., and Hoyt.
- Hoyle, William N., Rosebank, Staten Island, assignor to Foster Wheeler Corporation, New York, N. Y. Fractionating column. 2,406,375; Aug. 27.
- Hsu, Eugene T., Schenectady, N. Y., assignor to General Electric Company. High-frequency heating apparatus. 2,405,037; July 30.
- Hubacher, Paul, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Control device for vapor discharge vessels. 2,395,222; Feb. 19.
- Hubalek, Arthur, Brooklyn, N. Y. Firing mechanism for line throwing guns. 2,399,928; May 7.
- Hubbard, David C., Centralia, Mo., assignor of fifty per cent to R. H. Wendt, Chicago, Ill. Ice removing device for aircraft. 2,393,635; Jan. 29.
- Hubbard, Edward R., Taunton, Mass. Intravenous needle holder. 2,409,432; Oct. 15.
- Hubbard, Findley E., and C. R. McCullough, Anniston, Ala., assignors to Monsanto Chemical Company. Water-treating composition. 2,396,918; Mar. 19.
- Hubbard, Francis A.: *See*—
Bascom, Henry M., and Hubbard.
- Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitting device. 2,400,148; May 14.
- Hubbard, John R.: *See*—
Tuti, Richard, Jr., Hubbard, and McKee.
- Hubbard, Joseph G., Hubbard, Ohio. Bowling ball. 2,393,908; Jan. 29.
- Hubbard Spool Company, assignee: *See*—
Powell, Edward W.
- Hubbell, Fred D., Baltimore, Md. Apparatus for fumigating buildings. 2,411,212; Nov. 19.
- Hubbell, Leslie W., Cheshire, assignor to The Ball & Socket Manufacturing Co., West Cheshire, Conn. Clip type earring. Re. 22,728; Mar. 5.
- Hubbert, Leslie S., Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Briquetting press. 2,398,227; Apr. 9.

- Hubbert, Leslie S., Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Press control. 2,408,312; Sept. 24.
- Hubble, Henry B., Bucyrus, Ohio. Educational device. 2,402,892; June 25.
- Huber, Albert F., Niagara Falls, N. Y., assignor to American Brake Shoe Company. Railway lubricator. 2,401,303; June 4.
- Huber, Frank P., New Orleans, La. Muffler. 2,396,952; Mar. 19.
- Huber, Harold E.: *See—*
Carmody, Don R., and Huber.
- Huber, J. M., Corporation. Assignee: *See—*
Williams, Ira and Selfridge.
- Huber, John K., Lakewood, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric circuit controller. 2,408,213; Sept. 24.
- Huber, Joseph C., Jr., La Porte, Ind. Glass building construction. 2,403,369; July 2.
- Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Pressure switch. 2,404,643; July 20.
- Huber, Ralph L., Seattle, Wash. Hypodermic needle. 2,409,979; Oct. 22.
- Huber, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Turboblade fastening. 2,401,073; May 28.
- Huber, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Turbomachine. 2,405,146; Aug. 6.
- Huberman, John: *See—*
Schaffer, Leslie.
- Huberman, Sidney H., assignee: *See—*
La Chapelle, Fred N.
- Hubert, Clarence A.: *See—*
Rosenthal, William C. and Hubert.
- Huck, Louis C., Grosse Pointe, assignor to Huxon Holding Corporation, Detroit, Mich. Riveted structure and making the same. Re. 27,92; Sept. 17.
- Huck, Louis C., Grosse Pointe Shores, assignor, by mesne assignments, to Huxon Holding Corporation, Detroit, Mich. Rivet. 2,397,111; Mar. 26.
- Huck, Louis C., Grosse Pointe, assignor to Huxon Holding Corporation, Detroit, Mich. Riveting gun. 2,406,949; Sept. 3.
- Huff, F. William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Web feeding and slitting mechanism. 2,412,047; Dec. 3.
- Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Ensilage blower. 2,410,501; Nov. 5.
- Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Double feed ensilage blower. 2,410,943; Nov. 12.
- Huddeleston, Walter D., South Lebanon, and T. J. Homan, Cincinnati, Ohio, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Bullet orienting shaker. 2,413,047; Dec. 24.
- Hudgins, Archibald P., Charleston, W. Va. Cannula. 2,392,045; Jan. 1.
- Hudson Bay Mining and Smelting Company Limited, assignee: *See—*
Griffith, Dinsmore L., and Hendrickson.
- Hudson Engineering Corporation, assignee: *See—*
Baird, John B.
Baird, John B., Dearmin.
- Hudson, Frank, Battledown, Cheltenham, England, assignor to The International Nickel Company, Inc., New York, N. Y. Marine propeller and the like. 2,400,234; May 14.
- Hudson, James L., Detroit, Mich. Coupling for plastic tubes. 2,409,283; Oct. 15.
- Hudson, Jesse B., assignee, et al.: *See—*
Miller, George.
- Hudson, John M.: *See—*
Palmer, Richard W., and Hudson.
- Hudson, Lester C., Big Prairie, Ohio. Adapter head for wells. 2,407,010; Sept. 3.
- Hudson, Vernon L., Wichita, Kans., assignor to Boeing Airplane Company. Heater control valve and switch. 2,399,033; Apr. 23.
- Huebel, Richard A., Abington, Mass. Shoemaking. 2,409,860; Oct. 22.
- Hueber, Carl J., Euclid, and D. A. Stark, Willoughby, assignors to Addressograph-Multigraph Corporation, Cleveland, Ohio. Perforating device. 2,394,385; Feb. 5.
- Hueber, Carl J., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Punching apparatus. 2,397,112; Mar. 26.
- Hueber, Denis W., and J. E. Fearey, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Interpolymers of isobutylene with an alkyl acetylene and their preparation. 2,410,605; Nov. 5.
- Huebner, William C., New York, N. Y. Relay character selecting system for photographic composing apparatus. 2,402,750; June 25.
- Huebner, William C., New York, N. Y. Justification or space-regulating means for printing or like purposes. 2,402,751; June 25.
- Huebner, William C., New York, N. Y. Operating unit for photographic composing apparatus and the like. 2,402,752; June 25.
- Huebner, William C., New York, N. Y. Camera. 2,406,770; Sept. 3.
- Huebner, William C., New York, N. Y. Apparatus for multicolor printing with electro lines of force. 2,408,143; Sept. 24.
- Huebner, William C., New York, N. Y. Printing. 2,408,144; Sept. 24.
- Huebner, William C., New York, N. Y. Image reverser for cameras. 2,408,855; Oct. 8.
- Huehn, Werner, and W. Haufe, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Production of water-soluble basic aluminum compounds. 2,392,531; Jan. 8.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Countersink bevel recessing tool. 2,401,074; May 28.
- Huelster, Otto J., Waterbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Cap for snap fasteners. 2,402,627; June 25.
- Huelster, Otto J., Waterbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Cap for snap fasteners. 2,402,628; June 25.
- Huelster, Otto J., Waterbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Cap for snap fasteners. 2,402,629; June 25.
- Huelster, Otto J., Waterbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Cap for snap fasteners. 2,402,630; June 25.
- Huelster, Otto J., Waterbury, Conn., assignor to Scovill Manufacturing Company. Electric contact snap fastener. 2,404,176; July 16.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Self-locking nut. 2,410,444; Nov. 19.
- Huenergardt, William H., Chicago, Ill. Automatic heat control apparatus. 2,402,163; June 18.
- Huetter, Richard: *See—*
Heutrich, Winfrid, and Huetter.
- Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,402,815; June 25.
- Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator circuit. 2,410,974; Nov. 19.
- Huff, George K., assignee: *See—*
Fiddler, Albert A.
- Huff, J. B., Jr., assignee: *See—*
Grawunder, Henry C.
- Huff, John W., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Combined amplitude-modulation and frequency-modulation receiver stage. 2,408,644; Oct. 1.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Separation of gases and solids. 2,400,645; May 21.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of fluid reactants. 2,407,700; Sept. 17.
- Huff, Lyman C., assignor to Universal Products Company, Chicago, Ill. Contacting finely divided solid particles with fluids. 2,412,152; Dec. 3.
- Huffman, Hal C.: *See—*
Parker, Robert L., Jr., and Huffman.
- Huffman, Hal C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Catalytic dehydrogenation. 2,393,537; Jan. 22.
- Huffman, Hal C., Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif. Catalysts. 2,411,829; Nov. 26.
- Huffman, Max N., assignor to U. S. Standard Products Company, Woodworth, Wis. Fungicide. 2,396,264; Mar. 12.
- Huffman, Robert L.: *See—*
King, Raymond B., and Huffman.
- Hufford, Lewis C., Redondo Beach, Calif. Pressure control. 2,402,284; June 18.
- Hufford, Lewis C., and L. R. Gray, assignors to Hufford Machine Works, Inc., Redondo Beach, Calif. Compressor. 2,391,972; Jan. 1.
- Hufford Machine Works, Inc., assignee: *See—*
Hufford, Lewis C., and Gray.
- Huffsmith, Edwin F., Cook, Wash. Saw set. 2,409,760; Oct. 22.
- Huge, Henry M., Lorain, Ohio, assignor of one-half to E. M. Heavens and one-half to C. P. Stocker. Magnetic frequency multiplier. 2,395,389; Feb. 26.
- Hughes, Alexander B., assignee, et al.: *See—*
Brizay, Emile A.
- Hughes By-Product Coke Oven Corporation, assignee: *See—*
Hughes, Charles H.
- Hughes, Charles H., Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation. Apparatus for pyrolytically treating hydrocarbons. 2,410,074; Oct. 29.
- Hughes, Edward B., assignor to Bernardin Bottle Cap Co., Inc., Evansville, Ind. Device for vacuum sealing containers. 2,406,771; Sept. 3.
- Hughes, Everett C.: *See—*
Burk, Robert E.
Burk, Robert E., and Hughes.
- Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Insoluble cutting oil. 2,398,876; Apr. 16.
- Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Beneficiating mineral oils. 2,411,160; Nov. 19.

- Hughes, Everett C., Cleveland Heights, and J. D. Bartleson, assignors to The Standard Oil Company, Cleveland, Ohio. Absorption and recovery of fluorides in amines of low basicity. 2,400,875; May 28.
- Hughes, Gordon T., and V. Borgeson, Minneapolis, Minn. Tool. 2,393,777; Jan. 29.
- Hughes, Grover A., Seattle, Wash. Welding method. 2,403,438; July 9.
- Hughes, John M., assignee, et al.: See—Kinney, Selwyn P.
- Hughes, Lyman S., Peoria, Ill. Apparatus for heat-treating metal objects. 2,396,850; Mar. 19.
- Hughes, Mary F.: See—Wadsworth, Daniel V., and Hughes.
- Hughes Tool Company, assignee: See—Ashworth, Robert W.
Cullen, William L.
Perrine, Charles D., Jr.
- Hughes, Wilfred A.: See—Miller, David H., Knowles, and Hughes.
- Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Flame hardening torch. 2,407,370; Sept. 10.
- Hughston, Robert L., Grande, Bainbridge, N. Y. Sleet and trap sight. 2,395,409; Feb. 26.
- Huguley, William C., Belleville, N. J. Apparatus for arc welding. 2,405,828; Aug. 13.
- Hulbert, George E.: See—Lodge, Herbert S., and Hulbert.
- Hulbert, Ivan J., assignor to Rotax Limited, London, England. Auxiliary spark ignition apparatus for internal-combustion engines. 2,400,757; May 21.
- Hulburt, George D., and R. E. Conaway, assignors to Twentieth Century Fox Film Corporation, Los Angeles, Calif. Dolly for moving columns. 2,397,317; Mar. 26.
- Hull, Carl M.: See—Burney, Donald E., d'Ouville, and Hull.
Thiele, Ernest W., Schmitkons, and Hull.
- Hull, Carl M., and E. L. d'Ouville, assignors to Standard Oil Company, Chicago, Ill. Chlorination of hydrocarbon mixtures. 2,403,179; July 2.
- Hull, David C., assignor, by mesne assignments, to Tennessee Eastman Corporation, Kingsport, Tenn. Process and apparatus for the pyrolysis of organic compounds. 2,393,778; Jan. 29.
- Hull, David C., and J. R. Snodgrass, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of neutral esters of phosphoric acid. 2,407,279; Sept. 10.
- Hull, Harvard L., East Williston, W. S. Gorrill, Hempstead, and W. F. Frost, Williston Park, assignors to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Automatic positional control of objects. 2,408,068; Sept. 24.
- Hull, Harvard L., East Williston, W. S. Gorrill, Brooklyn, and W. F. Frost, Williston Park, assignors to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Gun positioning system. 2,408,069; Sept. 24.
- Hull, Harvard L., East Williston, and D. J. Munroe, assignors to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. System for positioning heavy objects. 2,408,070; Sept. 24.
- Hull, Howard L., Anderson, Ind. Floating breaker switch for ignition systems. 2,403,283; July 2.
- Hull, Joseph S., assignor to The American Pad & Textile Company, Greenfield, Ohio. Forming heat-sealed articles. 2,402,631; June 25.
- Hull, Philip C., assignor to The Parker Pen Company, Janesville, Wis. Filling mechanism for fountain pens. 2,398,531; Apr. 16.
- Hull, Philip C., assignor to The Parker Pen Company, Janesville, Wis. Desk set mounting. 2,403,083; July 2.
- Hull-Ryde, Arthur, assignor of one-fourth to A. Wilde, Bayside, and one-half to M. V. Groves, Brooklyn, N. Y. Compound hydraulic brake compressor and the like. 2,407,357; Sept. 10.
- Hull, Washington, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Catalytic process for converting terpenes to p-cymene. 2,399,739; May 7.
- Hull, Washington, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Supported oxide catalysts. 2,401,246; May 28.
- Hulsberg, Herbert A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Flowmeter. 2,413,352; Dec. 31.
- Hulse, George E.: See—Chittum, James P., and Hulse.
- Hulse, Stewart H., Westfield, N. J., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,402,893; June 25.
- Hulshizer, George W., Stewartsville, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Swinging mechanism for rock drills. 2,398,311; Apr. 9.
- Hulsing, Kenneth L., Plymouth, assignor to General Motors Corporation, Detroit, Mich. Sieve valve engine. 2,409,761; Oct. 22.
- Hulst, Clarence P., New York, N. Y. Stereoscope. 2,396,510; Mar. 12.
- Hulsmit, William H., Jr., and H. C. Wiechman, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Bonding butyl rubber to other surfaces. 2,392,590; Jan. 8.
- Hultgren, Rudolph: See—Isenberg, Sampson, and Hultgren.
- Hulton, Charles S., assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio. Unit dust collector. 2,413,469; Dec. 31.
- Hultquist, J. Albert, Scarsdale, N. Y., assignor to Radio Corporation of America. Electron ray indicating device. 2,394,837; Feb. 12.
- Human, Alfred A., Sacramento, Calif. Airplane tire. 2,409,355; Oct. 15.
- Hunason, Granville A., Houston, Tex., assignor of ten per cent to L. C. Christian, Houston, eleven per cent to H. H. McGilvray, and eleven per cent to T. J. Favor, Harris County, Tex. Production lift device. 2,397,419; Mar. 26.
- Humbert, Louis J., Wyandotte, Mich. Beverage container. 2,392,479; Jan. 8.
- Hume, Patrick H., Lakewood, Ohio, and W. F. McGarrity and E. L. Robinson, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Continuous production of heat-treatable ferrous sections. 2,395,184; Feb. 19.
- Hume, Patrick H., Lakewood, Ohio, W. F. McGarrity, Hollidays Cove, W. Va., and E. L. Robinson, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Continuous production of heat-treatable ferrous sections. 2,400,931; May 28.
- Hume, Patrick H., Lakewood, Ohio, W. F. McGarrity, Hollidays Cove, W. Va., and E. L. Robinson, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Continuous production of heat-treatable ferrous sections. 2,400,932; May 28.
- Hume, W. L., assignee, et al.: See—Livermont, Frank W.
- Humes, George W., Sharon, Pa., assignor to Carnegie-Illinois Steel Corporation. Casting ingots. 2,401,075; May 28.
- Humes, William B.: See—Hayes, Norman V., and Humes.
- Hummel, Fred E., Ojai, Calif., assignor to Shell Development Company, San Francisco, Calif. Mud logging system. 2,400,046; May 7.
- Hummel, Fred E., assignor to Hummel-Ross Fibre Corporation, Hopewell, Va. Laminated structure. 2,413,500; Dec. 31.
- Hummel-Ross Fibre Corporation, assignee: See—Hummel, Fred E.
- Humphrey, Ferdinand W., River Forest, assignor to Mid-State Gummed Paper Co., Chicago, Ill. Gummed product. 2,400,995; May 28.
- Humphrey, John B.: See—Houston, Howard G., and Humphrey.
- Humphrey, War E., assignor to Pennsylvania Rubber Company, Jeannette, Pa. Vulcanizing mold and operation. 2,404,636; July 23.
- Hungerford, Daniel C., Madison, and J. D. Shaw, Totowa, assignors, by mesne assignments, to Elastic Stop Nut Corporation, American Union, N. J. Threaded fastening device. 2,393,323; Jan. 22.
- Hunt, A. H., Limited, assignee: See—Grouse, Richard A., and Rogers.
- Hunt, Basil G., Trail, British Columbia, Canada, assignor, by mesne assignments, to The Mathieson Alkali Works (Inc.). Electrolytic cell. 2,393,685; Jan. 29.
- Hunt, Basil G., Trail, British Columbia, Canada, and R. B. MacMullin, Niagara Falls, N. Y., assignors, by mesne assignments, to The Mathieson Alkali Works (Inc.). Electrolytic production of magnesium. 2,393,686; Jan. 29.
- Hunt, Chapin P.: See—Budge, Edward D., Hunt, and Lent.
- Hunt, Charles K., Wyandotte, J. F. Olin, Grosse Ile, and H. H. Brandt, Wyandotte, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Pickling of ferrous metals. 2,411,791; Nov. 26.
- Hunt, Ernest W., Baytown, Tex., assignor to Standard Oil Development Company. Starting procedure for cracking units. 2,398,228; Apr. 9.
- Hunt, George V.: See—Sheehan, Edward F.
- Hunt, Harold S., Iowa City, Iowa. Carrying case. 2,405,965; Aug. 20.
- Hunt, Jesse B., Sr., Raleigh, N. C. Contraction joint assembly. 2,405,654; Aug. 13.
- Hunt, John H., assignor to General Motors Corporation, Detroit, Mich. Brake shoe. 2,398,006; Apr. 9.
- Hunt, John L.: See—Greenleaf, Robert M., and Hunt.
- Hunt, John O., assignor to Mountain City Foundry and Machine Co., Greenville, S. C. Loom. 2,408,645; Oct. 1.
- Hunt, John W.: See—Ford, Richard E., and Hunt.
- Hunt, Joseph A.: See—Moreillon, Albert E., and Hunt.
- Hunt, Joseph A., assignor to The Haywood Compressor Company Limited, Redditch, England. Priming arrangement for gasoline and like engines. 2,401,643; June 4.
- Hunt, Madison, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters. 2,396,789; Mar. 19.
- Hunt, Melvin W., Gardena, Calif. Swing. 2,402,429; June 18.

- Hunt, Rodney, Machine Company, assignee: See—
Belcher, Harold H.
- Hunt, Scott F., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,403,720; July 9.
- Hunt, Scott F., Meriden, assignor to Chandler-Evans Corporation, South Meriden, Conn. Pump control with line loss compensation. 2,411,574; Nov. 26.
- Hunt, Thomas E. V., Norristown, Pa. Toolmaker's angle block. 2,409,936; Oct. 22.
- Hunt, William H., National City, Calif., assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Fish filleting machine. 2,400,118; May 14.
- Hunter, Albert E., Wollaton, Nottingham, and S. F. Topott, assignors to Byard Manufacturing Company, Nottingham, England. Machine-made net. 2,412,336; Dec. 10.
- Hunter, Archibald S., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for the production of artificial filaments. 2,391,973; Jan. 1.
- Hunter, Benjamin F., and H. P. Hobart, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Cutting oil composition. 2,413,353; Dec. 31.
- Hunter, Blaine, U. S. Navy Station Island, N. Y. Filing equipment. 2,412,219; Dec. 10.
- Hunter, David U., Milburn, N. J. Sealing structure. 2,393,779; Jan. 29.
- Hunter, Donald B., Edgerton, Wis. Toilet. 2,396,177; Mar. 5.
- Hunter, Douglas G., London, England, assignor to Barnett Ensign Limited. Roll-film winding mechanism. 2,404,291; July 16.
- Hunter, Douglas G., London, England, assignor to Barnett Ensign Limited. Folding photographic camera. 2,406,772; Sept. 3.
- Hunter, Douglas G., assignor to Barnett Ensign Limited, London, England. Photographic masking easel. 2,412,507; Dec. 10.
- Hunter, Frank B., La Canada, and J. C. Arnold, Los Angeles, Calif., assignors to Adel Precision Products Corp. Resistance welding apparatus. 2,397,263; Mar. 26.
- Hunter, Henry G., Potsdam, N. Y. Loading and dumping device. 2,401,159; May 28.
- Hunter, John A., Pittsburgh, and H. E. Muller, Sr., Swissvale, assignors to Carnegie-Illinois Steel Corporation. Adjustable tongs. 2,394,779; Feb. 12.
- Hunter, John W., Boulder City, Nev. Purification of manganese electrolytes. 2,392,385; Jan. 8.
- Hunter, Joseph L., Riverside, Calif. Tape holder for Venetian blinds. 2,396,425; Mar. 12.
- Hunter, Joseph L., Riverside, Calif. Venetian blind tape. 2,405,679; Aug. 13.
- Hunter, Lawrence M., Toronto, Ontario, Canada. Combining and separating device. 2,404,232; July 16.
- Hunter, Lyle R., Clairton, and O. C. Levander, McKeesport, Pa. Photoelectric counter. 2,408,313; Sept. 24.
- Hunter, Melvin J.; See—
Rauner, Lawrence A., and Hunter.
- Hunter, Melvin J., and H. N. Fenn, assignors to The Dow Chemical Company, Midland, Mich. Esters of 12-hydroxystearic acid. 2,397,008; Mar. 19.
- Hunter, Melvin J., and W. C. Bauman, assignors to The Dow Chemical Company, Midland, Mich. Process and agents for the recovery of magnesium ions from brine. 2,409,861; Oct. 22.
- Hunter, Raymond, assignee: See—
Bugley, James R.
- Hunter, Richard B., Shorewood, assignor to Culler-Hammer, Inc., Milwaukee, Wis. Electric circuit controller. 2,398,007; Apr. 9.
- Hunter, Richard S., Franklin Park, Va., assignor to United States of America, as represented by the Secretary of Commerce. Signaling mirror. 2,412,616; Dec. 17.
- Hunter, Robert H., Cleveland, Ohio. Heating apparatus. 2,410,881; Nov. 12.
- Hunter, William J., assignor to Northern Equipment Company, Erie, Pa. Feed water regulating apparatus for boilers. 2,411,728; Nov. 26.
- Hunter, William L., assignor to Northern Equipment Company, Erie, Pa. Feed water regulating apparatus for boilers. 2,411,729; Nov. 26.
- Hunter, Willson H., Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective covering for aircraft surfaces and the like. 2,394,063; Feb. 5.
- Hunter, Willson H., Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Frictional mechanism. 2,406,543; Aug. 27.
- Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Shield assembly for aircraft. 2,399,186; Apr. 30.
- Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Spinner assembly. 2,401,247; May 28.
- Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Propeller blade protective means. 2,401,935; June 11.
- Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Duct throttle. 2,409,433; Oct. 13.
- Huntington, Glen H., Denver, Colo. Sheet metal roofing. 2,408,557; Oct. 1.
- Huntington, James M., and J. W. Lawlor, La Canada, Calif. Vise for splicing cables. 2,399,870; May 7.
- Huntley, James R., Hicksville, N. Y. Machine tool. 2,408,648; Oct. 1.
- Huntsman, Orlando A., Arlington, Va., assignor to General Electric Company. Electric switch. 2,411,730; Nov. 26.
- Huntzicker, Harry N., Evanston, and C. R. Norman, Jr., assignors to United States Gypsum Company, Chicago, Ill. Manufacture of hydrated lime. 2,403,647; Oct. 1.
- Hunz, Alphonse W., East Chicago, Ind. Rolled tooth bar. 2,397,965; Apr. 9.
- Huppert, Oskar, Newark, N. J. Thiozonides of the 2 cyclo-alken-1-one series. 2,397,355; Mar. 26.
- Huppert, Oskar, New York, N. Y. Artificial fibers from globular and fibrous proteins. 2,413,501; Dec. 31.
- Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair foundation. 2,406,376; Aug. 27.
- Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair roll. 2,407,011; Sept. 3.
- Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Making combs from sheet stock. 2,408,770; Oct. 8.
- Huppke, Walter F., New York, assignor to West Disinfecting Company, Long Island City, N. Y. Processed natural rubber. 2,410,661; Nov. 5.
- Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Alkylation of halogenosilanes. 2,403,370; July 2.
- Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Hydrogenation of halogenosilanes. 2,406,605; Aug. 27.
- Hurd, Jesse L., Pierce County, Wash. Logging apparatus. 2,410,048; Dec. 24.
- Hurd, John C. H.; See—
Wildt, Edwin, Holmes, and Hurd.
- Hurd, Loren C., Jenkintown, assignor to Röhm & Haas Company, Philadelphia, Pa. Stable red phosphorus. 2,399,120; Apr. 23.
- Hurd, Ralph H., Clarendon Hills, assignor to United States Gypsum Company, Chicago, Ill. Machine for manufacturing recessed plasterboard. 2,392,923; Jan. 15.
- Hurs, Warren D.; See—
Kellgren, Waldo, and Hurd.
- Hurford, Herbert, Chicago, Ill. Mat and heel protector. 2,410,412; Nov. 5.
- Hurlburt, Wilbur F., South Orange, N. J. Dispensing valve. 2,392,741; Feb. 12.
- Hurley, Albert B., Huntington, N. Y. Collapsible motion-picture-screen assembly. 2,403,661; July 9.
- Hurley, Albert B., Huntington, N. Y. Acoustic tile. 2,410,413; Nov. 5.
- Hurley, Albert B., Huntington, N. Y. Vibrate board for acoustic treatments. 2,413,568; Dec. 31.
- Hurley, Carl R.; See—
Brown, Henry, and Hurley.
- Hurley, Earl H., Emporium, Pa. Swing. 2,394,913; Feb. 12.
- Hurley, Earl H., Emporium, Pa. Swing. 2,413,232; Dec. 24.
- Hurley, Michael, Denver, Colo. Stair construction. 2,406,497; Aug. 27.
- Hurley, Paul E., and J. B. Dunlap, Deer Park, assignors to Shell Development Company, San Francisco, Calif. Production of aviation gasoline. 2,399,805; May 7.
- Hurley, Roy T., Dobbs Ferry, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Aircraft control apparatus. 2,410,502; Nov. 5.
- Hurley, Roy T., Westport, Conn., and G. E. Merritt, Staten Island, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Optical apparatus. 2,397,009; Mar. 19.
- Hurley, Samuel C., Jr., assignee: See—
Giescke, Werner A.
- Hurley, Samuel C., Jr., Danville, Ill. Photoelectric inspection device. 2,395,482; Feb. 26.
- Hurley, Samuel C., Jr., Danville, Ill. Photoelectric inspection device. 2,402,405; June 18.
- Hurley, Samuel C., Jr., Danville, Ill. Article rotating apparatus. 2,403,662; July 9.
- Hurley, Samuel C., Jr., Danville, Ill. Mechanism for rotating a pin. 2,404,233; July 16.
- Hurley, Samuel C., Jr., Danville, Ill. Sorting chute. 2,405,829; Aug. 13.
- Hurley, Samuel C., Jr., Danville, Ill. Device for rotating rounds. 2,408,170; Sept. 24.
- Hurst, Max, Stuttgart, Germany; vested in the Alien Property Custodian. Internal-combustion engine. 2,392,591; Jan. 8.
- Hurst, William M., Douglaston, N. Y., assignor to Hazeltine Corporation, Washington, D. C. Control mechanism. 2,397,607; Apr. 2.
- Hurt, David M., Wilmington, Del., and G. S. Stafford and E. J. Tanch, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphuric acid manufacture and apparatus therefor. 2,402,553; June 25.
- Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Water toy. 2,404,729; July 23.
- Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Watertight closure. 2,409,489; Oct. 15.

- Hurtel, William W., Los Angeles, Calif. Clamping device. 2,400,512; May 21.
- Hurtel, William W., Los Angeles, Calif. Keyless lock. 2,406,332; Aug. 27.
- Hurwitz, Sam, Pittsburgh, Pa. Electrosignal warning device. 2,391,974; Jan. 8.
- Husband, Linton A., Elmhurst, Ill., assignor to General Motors Corporation, Detroit, Mich. Stud driver. 2,394,386; Feb. 5.
- Husek, Helen P.: *See—*
Barnes, Arthur, and Husek.
Ryan, William H., Barnes, and Husek.
- Husek, Helen P., Allston, Mass., assignor to Polaroid Corporation. Producing iodine images. 2,413,630; Dec. 31.
- Husshower, Clarence W., South Bend, Ind. Scaffold bracket. 2,406,078; Aug. 20.
- Husman, Chester N., and O. M. Longcoy, Orlando, Fla., assignors to the United States of America as represented by the Secretary of Agriculture and his successors in office. Airplane spray unit. 2,395,827; Mar. 5.
- Hussar, Joseph P., assignee: *See—*
Reutlinger, Emile C.
- Hussman, Carl, Chicago, Ill. Vibration absorbing support. 2,408,856; Oct. 8.
- Husson, Harry L.: *See—*
Eppler, Walter T., and Husson.
- Hussong, Ralph V.: *See—*
Horneman, Herman C., Hussong, Quam, and Hammer.
- Husted, Clayton A.: *See—*
Landrum, Harvey, and Husted.
- Husted, Harry A., St. Clair, Mich. Combination fan and eyeshield. Re. 22,796; Oct. 1.
- Husted, Harry A., St. Clair, Mich. Combination fan and eye shield. 2,392,671; Feb. 5.
- Husted, Harry A., St. Clair, Mich. High traction sole and heel. 2,408,214; Sept. 24.
- Huston, Claude B., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,392,151; Jan. 1.
- Huston, Frederick P., Fanwood, and L. A. Burrows, Woodbury, N. J., and W. E. Lawson, Wilmington, Del.; said Huston assignor to The International Nickel Company, Inc., New York, N. Y.; said Burrows and Lawson assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Bo. Construction and method of producing same. 2,412,886; Dec. 17.
- Huston, Frederick P., Fanwood, and L. A. Burrows, Woodbury, N. J., and W. E. Lawson, Wilmington, Del.; said Huston assignor to The International Nickel Company, Inc., New York, N. Y.; said Burrows and said Lawson assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Staybolt. 2,412,887; Dec. 17.
- Huszar, Kalman Z., Cincinnati, Ohio. Rod mill. 2,392,245; Jan. 1.
- Huszar, Kalman Z., Cincinnati, Ohio. Rodmill. 2,394,453; Feb. 5.
- Hutcheson, John A.: *See—*
McCurdy, William H., and Hutcheson.
- Hutchings, Charles F., Perinton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Goggle. 2,409,356; Oct. 15.
- Hutchings, Herschel, Lubbock, Tex. Agricultural tractor. 2,404,442; July 23.
- Hutchings, Joseph L.: *See—*
Daniel, Frederick K., and Hutchings.
- Hutchins, Edward: *See—*
Maxim, William D., and Hutchins.
- Hutchins, Francis E.: *See—*
Alton, William H., and Hutchins.
- Hutchins, James F., and W. K. White, Jr., San Antonio, Tex. Rapid frequency change radio receiver. 2,410,075; Oct. 29.
- Hutchinson, Archibald D. L., Seattle, Wash. Safety device for dump trucks. 2,407,012; Sept. 3.
- Hutchinson, Arthur J., San Marino, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Separation of hydrate-forming components of gaseous mixtures. 2,410,583; Nov. 5.
- Hutchinson, Gilbert E.: *See—*
Finlay, Walter L., and Hutchinson.
- Hutchinson, Henry M.: *See—*
Staudinger, Hanns P., and Hutchinson.
- Hutchinson, Job, Great Neck, N. Y. Carburetor attachment. 2,409,937; Oct. 15.
- Hutchinson, Job, Great Neck, N. Y., assignor to Morris Pouzner, Boston, Mass. Display device. 2,410,975; Nov. 12.
- Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 2,402,225; June 18.
- Hutchinson, Willis S., St. Paul, Minn., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical manufacture. 2,395,067; Feb. 5.
- Hutchinson, Willis S., St. Paul, Minn., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of chlorine dioxide. 2,409,862; Oct. 22.
- Hutchinson, Willis S., St. Paul, Minn., and E. R. Woodward, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Y. Generator. 2,407,852; Sept. 17.
- Hutchison, Frank E., Houston, Tex. Mud screen. 2,408,558; Oct. 1.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Double exposure prevention device. 2,394,614; Feb. 12.
- Hutier, Richard C., assignee, et al.: *See—*
Kinney, Selwyn P.
- Hutsell, Thomas A., Renton, Wash. Forming tool for wire anchors. 2,397,739; Apr. 2.
- Hutt, Albert E., Stamford, Conn., assignor to Schick Incorporated, Stamford, Conn. Sheet metal piercing. 2,395,123; Feb. 19.
- Hutter, William H., Chicago, Ill. Phonograph needle. 2,405,307; Aug. 6.
- Hutter, William H., Chicago, Ill. Pilot trainer. 2,409,938; Oct. 22.
- Huttrer, Charles P.: *See—*
Djerassi, Carl, Huttrer, and Scholz.
- Huxon Holding Corporation, assignee: *See—*
Huck, Louis C.
- Huyck, F. C., & Sons, assignee: *See—*
Cogovan, Edward J.
Wilson, Ezekiel J.
- Huye, Joseph G., New Orleans, La. Automatically locked fiberboard shipping box. 2,412,402; Dec. 10.
- Huyett, Daniel D., and W. E. Fletcher, assignors to Atlas Powder Company, Wilmington, Del. Electric explosion initiator. 2,399,034; Apr. 23.
- Huyett, Daniel D., and F. S. Pollock, assignors to Atlas Powder Company, Wilmington, Del. Sheathing for explosives. 2,412,581; Dec. 17.
- Huzenlaub, Erich G., Brentford, England. Enriching cereal grains with natural vitamins. 2,412,153; Dec. 3.
- Hybinette, Sven E., and F. C. Cary, Wilmington, Del. Producing magnesium and other metals. 2,396,658; Mar. 19.
- Hybinette, Sven E., and F. C. Cary, Wilmington, Del. Apparatus for producing or purifying metals or compounds. 2,412,582; Dec. 17.
- Hyde, A. R., & Sons, assignee: *See—*
Vietas, Frank, and Gardner.
- Hyde, Albert F., New York, N. Y. Material clearing attachment for jaw crushing machines. 2,409,863; Oct. 22.
- Hyde, Donald B., Newton, Mass. Bird house and bird-feeding device. 2,392,532; Jan. 8.
- Hyde, George G., Darien, Conn., and J. H. Hochuli, Woodhaven, assignors to Crucible Steel Company of America, New York, N. Y. Sheet feeding mechanism. 2,402,048; June 11.
- Hyde, George J.: *See—*
Sampson, Frederick W., and Hyde.
- Hyde, George J., Brooklyn, assignor to Firearms Research Corporation, New York, N. Y. Firearm. 2,407,157; Sept. 3.
- Hyde, Herschel Y.: *See—*
Viland, Clare K., and Hyde.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Lubricant. 2,410,346; Oct. 29.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Methyl silicon halides and their production. 2,413,049; Dec. 24.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Alkyl silicon chlorides and their preparation. 2,413,050; Dec. 24.
- Hyde Manufacturing Company, assignee: *See—*
Soldani, Albert.
- Hydraulic Brake Company, assignee: *See—*
Katz, Donald L., and Esterer.
La Brie, Ludwig E.
- Hydraulic Control Engineering Company, assignee: *See—*
Stephens, William T.
- Hydraulic Development Corp., Inc., The, assignee: *See—*
Ashbaugh, Bernard D.
Ernst, Walter.
Flowers, Paul E.
Hubbert, Leslie S.
Kiser, Robert A.
MacMillin, Howard F., and Pocock.
MacMillin, Howard F., Ernst, and Waldie.
Muller, Johan A.
Summers, Otto M.
Tucker, Warren R.
Tucker, Warren R., and Waldie.
Youngblood, Don C., and Ashbaugh.
- Hydraulic Impact Tool Company, assignee: *See—*
Warren, Charles F., and Kuehn.
- Hydro Mfg. Co. Inc., assignee: *See—*
Wallen, Loran O.
- Hydro-Blast Corporation, assignee: *See—*
Luce, Roy L.
- Hydrojet Corporation, assignee: *See—*
Boeckeler, Benjamin C.
- Hygrade Sylvania Corporation, assignee: *See—*
Mueller, William E., and Kiser.
- Hyland, William A., assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Grain drill. 2,391,975; Jan. 1.
- Hyle, Jacob A.: *See—*
Wickersham, Charles L., and Hyle.
- Hyler, Leilei L.: *See—*
Peterson, Oscar R., and Hyler.
- Hylton, Henry: *See—*
Schmid, Paul, and Hylton.
- Hyman, Benjamin, Moline, Ill., assignor to International Harvester Company. Harvester construction. 2,399,740; May 7.

- Hyman, Henry, assignee: *See*—
Lang, M., and Dam.
Muldoon, Bernard F.
- Hyman, Julius, and C. F. Peters, assignors to Velsicol Corporation, Chicago, Ill. Production of alphanaphthoquinones. 2,402,226; June 18.
- Hyman, Mark, Jr., assignor to Polaroid Corporation, Cambridge, Mass. Methacrylic ester and copolymers thereof. 2,402,292; July 16.
- Hyman, Mark, Jr., assignor to Polaroid Corporation, Cambridge, Mass. Mold for use in the manufacture of optical elements. 2,407,280; Sept. 10.
- Hynans, Frederick, Larchmont, assignor to Otis Elevator Company, New York, N. Y. Governor. 2,402,285; June 18.
- Hyre, Warren, Clearwater, Fla. Form aligner. Re. 22,799; Oct. 8.
- Hysko, John L. Union, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 2,401,355; June 4.
- Hysler, John F., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,396,851; Mar. 19.
- Hyster Company, assignee: *See*—
Shoemaker, Robert C.
- Hytron Corporation, assignee: *See*—
Corson, Bayard R.
- Rines, Albert H., Hardy, and O'Keefe.
- I. T. E. Circuit Breaker Company, assignee: *See*—
Bohn, Donald I.
Graves, Herbert C., Jr.
Jensen, Otto.
Schymik, Walter H.
Scott, William M., Jr.
- Ibach, Gerald A., Borge, Tex., and C. C. Tate, Okmulgee, Okla., assignors to Phillips Petroleum Company. Treatment of fluorine-containing hydrocarbon mixtures. 2,412,220; Dec. 10.
- Iborra, Miguel M., assignor to Fonoband Sociedad Anonima Fonopresiones Sobre Bandas de Papel, Buenos Aires, Argentina. Horizontally and vertically adjustable photoelectric sound head. 2,413,051; Dec. 24.
- Ice, James N., assignor to Riverside Steel Company, Wheeling, W. Va. Bottle carrier. 2,404,133; July 16.
- Ideal Clamp Manufacturing Co., Inc., assignee: *See*—
Zaleske, Michael J.
- Ideal Industries, Inc., assignee: *See*—
Schinske, William G.
- Ideal Novelty & Toy Co., assignee: *See*—
Baggett, Edmund W.
- Ideal Roller & Manufacturing Company, assignee: *See*—
Lippincott, Wells A.
- Ielfield, Fred C., assignor to Silver Creek Precision Corporation, Silver Creek, N. Y. Cereal cutter. 2,406,773; Sept. 2.
- Ifield, Richard J., Birmingham, England, assignor to Joseph Lucas, Limited. Liquid fuel supply device for use with internal-combustion prime movers. 2,406,296; Aug. 20.
- Ifield, Richard J., Ealing, London, assignor to Joseph Lucas Limited, Birmingham, England. Fuel pump governor. 2,407,013; Sept. 3.
- Ifield, Richard J., Solihull, Birmingham, and W. E. W. Nicolls, Ealing, London, W. 5, assignors to Joseph Lucas Limited, Birmingham, England. Variable output pump. 2,403,371; July 2.
- Ihsen, Hulda M., Allentown, Pa., assignor to Charis Corporation. Foundation garment. 2,413,502; Dec. 31.
- Ilich, Theodore E., Hempstead, N. Y., assignor to United States Plywood Corporation. Making plywood tubing. 2,411,542; Nov. 26.
- Iler, Ralph K., Cleveland Heights, and J. S. Kirk, Seven Hills Village, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicic acid compositions. 2,408,655; Oct. 1.
- Imhoff Limited, assignee: *See*—
Collins, Ronald B., and Miller.
Harrison, Geoffrey B., Hercock, and Horner.
Hart, John A. H., and Lee.
Kendall, John D.
Kendall, John D., and Edwards.
Kendall, John D., and Fry.
Kendall, John D., Fry, and Brooks.
Waller, Cecil, Collins, and Dodd.
- Iglehart, Ferdinand C.: *See*—
Young, William G., and Iglehart.
- Iglehart, Ferdinand C., Wilkingsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Conductor. 2,397,113; Mar. 26.
- Ihle, Orden E., North Hollywood, Calif. Molded plastic shoe. 2,402,227; June 18.
- Ihrig, Clifford D., Edgewood, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,395,664; Feb. 26.
- Iler, Ralph K.: *See*—
Fernald, Herbert B., and Iler.
- Iler, Ralph K., East Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing chlorine. 2,401,644; June 4.
- Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes and products. 2,401,645; June 4.
- Iler, Ralph K., Cleveland Heights, Ohio, G. H. Latham, Wilmington, Del., and J. W. Robinson, Lakewood, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified alkyl resins. 2,395,550; Feb. 26.
- Iliffe, George, Llandaff, Cardiff, Wales. Piston ring. 2,412,734; Dec. 17.
- Illinois Glove Company, assignee: *See*—
Shmukler, Joseph.
- Illinois Lock Company, The, assignee: *See*—
Gray, Raymond K., and R. L.
- Illinois Powder Manufacturing Company, assignee: *See*—
Adolph, Norman W.
Martin, Richard.
- Illinois Steel Corporation, assignee: *See*—
Urban, Stephen F.
- Illinois Tool Works, assignee: *See*—
Crowthor, Edmond C.
Poupitch, Ougljesa J.
- Illmer, Louis, Cortland, N. Y. Automatic reel reversing control for grinder machines. 2,396,852; Mar. 19.
- Imber, Jack, Greenford, England. Aerial bombs, pyrotechnic devices and the like. 2,411,432; Nov. 19.
- Imbert, Roger: *See*—
Anxionnaz, René, and Imbert.
- Imelmann, Henry L., assignor to Permo Products Corporation, Chicago, Ill. Phonograph stylus. 2,399,035; Apr. 23.
- Imhof, Herman A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,404,497; July 23.
- Imm, Lewis W., Glendale, Calif. Multiplying mechanism. 2,394,181; Feb. 5.
- Imm, Lewis W., Glendale, assignor to Librascope, Incorporated, Burbank, Calif. Power computer. 2,394,180; Feb. 5.
- Immel, Ralph B.: *See*—
Pierce, Lawrence, and Immel.
- Immel, Ralph B., Wilkingsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timing relay. 2,397,181; Mar. 26.
- Immel, Ralph B., Wilkingsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable time limit device. 2,406,377; Aug. 27.
- Immel, Ralph B., Wilkingsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vibratory latching device. 2,406,378; Aug. 27.
- Immenschuh, William T., Le Mesa, assignor to The Ryan Aeronautical Co., San Diego, Calif. Cockpit enclosure releasing mechanism. 2,401,076; May 28.
- Immerman, David, Cleveland Heights, Ohio. Visual aid device for relative movement. 2,400,149; May 14.
- Imperial Brass Manufacturing Company, assignee: *See*—
Daniels, John J.
Frankel, George E.
- Imperial Chemical Industries Limited, assignee: *See*—
Ainley, Arthur D., and Davies.
Baird, William, Hagwood, Harper, and Hendry.
Baldwin, Alfred W., Cusa, and Worthington.
Boon, William R.
Broadbent, W., and Rose.
Broadhurst, Harold M.
Brookman, Earnest F., and Smith.
Buckley, Gerard D.
Charlton, William, Jarrett, and Walker.
Clarke, Lionel W. W., and Byrne.
Cowardry, William A., and Murray.
Edwards, George E.
Evans, William J. R.
Fajans, Edgar.
Garner, Philip J.
Goodings, Eric P., and Rogers.
Gudgeon, Herbert and Hill.
Haddock, Norman H.
Holroyd, Ronald, and Peel.
Horsley, George F.
Huebner, Denis W., and Fearay.
James, Hector G.
Jones, David G., and Philipson.
Kirkbride, Frederick W.
Levy, Norman.
Lowe, Arthur, and Robson.
McGill, John H.
McLean, Andrew.
Mendoza, Mordecai, and Rogers.
Miles, Frank D., and Jackson.
Myles, James R., and Jones.
Rogers, Maurice A. T.
Shakesby, Leonard, and Smith.
Shakesby, Leonard, Sutherland, and Smith.
Smith, Nancy.
Smith Sydney H.
Speakman, John B., and Barr.
Stammers, Douglas W.
Tanner, Charles C.
Taylor, James, and Davidson.
Thomson, Thomas.
Walmesley, Robert A., and Davis.
Whetstone, John.
Whitworth, Edward, Thomson, and Wark.
Williams, Vernon H., and Wright.
Wright, Harold R., and Taylor.

- Imperial Trust for the Encouragement of Scientific and Industrial Research, The, assignee: *See*—
Walls, Leslie P.
- Imshaug, Henry: *See*—
Eppenbach, Edwin G., and Imshaug.
Fisher, Leslie C., and Imshaug.
- Independent Lock Company, assignee: *See*—
Falk, Morris.
- Independent Pneumatic Tool Co., assignee: *See*—
Fors, Erithof P.
Gillertstrom, Hilmer.
Mitchell, Walter G.
- Indge, Herbert S., Westboro, Mass., assignor to Norton Company, Worcester, Mass. Cam lapping machine. 2,406,689; Aug. 27.
- Indge, Herbert S., and G. E. Hulbert, Westboro, Mass., assignor to Norton Company, Worcester, Mass. Lapping machine. 2,406,690; Aug. 27.
- Indian Motorcycle Company, assignee: *See*—
du Pont, Stephen.
- Indiana Steel Products Company, The, assignee: *See*—
McKibben, Wayne E.
- Indiana Steel & Wire Company, assignee: *See*—
Burns, Richard H.
- Induction Heating Corp., assignee: *See*—
Kohler, Fred.
Rudd, Wallace C.
Stanton, Robert J.
Stevens, Nelson B.
White, Melbourne F.
- Industrial Brownhoist Corporation, assignee: *See*—
Taylor, Ernest W., and Nielsen.
- Industrial Patents Corporation, assignee: *See*—
Black, Howard C.
Black, Howard C., and Overley.
Brown, Leo C.
De Beukelaer, Frank L.
Gunther, James K.
Henney, Grover R., and Johnson.
Ingle, James D.
Lofthol, Lytle J.
Pheps, Guy W., and Black.
Prohaska, James J.
Scott, Everette C., and Parsons.
Strenitz, Maurice.
Vinsant, Granville F.
Walter, Charles T., and Newton.
Young, Harland H., and Rubinstein.
Young, Harland H., and Spitzmueller.
- Industrial Rayon Corporation, assignee: *See*—
Alling, William M.
Corey, Lorin A.
Epstein, Moses P., and Barton.
Kline, Hayden B., Fryer, and MacLaurin.
MacLaurin, Robert D.
McClellan, Kenneth M.
- Industrial Research Laboratories, Ltd., assignee: *See*—
Hahn, Otto W.
- Industrial Tape Corporation, assignee: *See*—
Buckley, Donald J.
Priepke, Rudolf J., Emigh, and Pike.
- Inert Gas Equipment, Inc., assignee: *See*—
Willenborg, Walter J.
- Inflico Incorporated, assignee: *See*—
Behrman, Abraham S.
Gustafson, Hilding B.
Gustafson, Hilding B., and Kominck.
Gustafson, Hilding B., and Paley.
Hesler, James C.
McBride, George A.
- Ingalls, David, Westfield, N. J. Coupling radio shielded ignition harness. 2,402,050; June 11.
- Ingalls, David, Westfield, assignor to Titeflex, Inc., Newark, N. J. Radio shielded spark plug lead. 2,402,049; June 11.
- Ingalls, David, Westfield, and J. W. Hamilton, Montclair, assignors to Titeflex, Inc., Newark, N. J. Ignition distributor radio shield. 2,393,538; Jan. 22.
- Ingalls, Ross D., Scotch Plains, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cooling means for dynamoelectric machines. 2,394,517; Feb. 5.
- Ingalls, Willis A., assignor to Tompkins Bros. Co., Syracuse, N. Y. Stop motion device. 2,402,816; June 25.
- Ingersoll, Homer H., assignor to Kalnsing Company of America, Kalamazoo, Mich. Centrifugal pump. 2,399,548; Apr. 30.
- Ingersoll Milling Machine Company, The, assignee: *See*—
Kaiser, Karl B.
- Ingersoll, Nelson, Jr., assignor to Harry A. Kadan, San Diego, Calif. Duplicating flask for dental models. 2,397,264; Mar. 26.
- Ingersoll-Rand Company, assignee: *See*—
Allen, Roy O.
Doyle, Frank B.
Hulshizer, George W.
Plummer, John P., Jr.
Reynolds, Harold C.
- Ingle, James D., assignor to Industrial Patents Corporation, Chicago, Ill. Whitenig eggs. 2,413,631; Dec. 31.
- Inglis, Alfred H., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signal device. 2,405,210; Aug. 6.
- Inglis, John, assignor of one-half to Clyde Paper Company Limited, Rutherglen, Scotland. Paper stock disintegrator. 2,394,182; Feb. 5.
- Ingouff, Robert J. A., and J. H. Lewis, assignors to Blue Ridge Glass Corporation, Kingsport, Tenn. Gauge. 2,409,864; Oct. 22.
- Ingres, Jeannot G., Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va. Vehicle brake mechanism. 2,395,223; Feb. 19.
- Ingres, Jeannot G., Detroit, Mich., assignor to G. T. Smith and E. G. Hill, Richmond, Va., trustees. Airplane pickup mechanism. 2,401,248; May 28.
- Ingwer, Max, New York, and W. W. Schwartz, Jackson Heights, assignors to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Needle threader. 2,411,686; Nov. 26.
- Inhoffen, Hans H.: *See*—
Schoeller, Walter, Inhoffen, Steinruck, and Höss.
- Inhoffen, Hans H., Berlin-Wilmersdorf, Germany, assignor to Schering Corporation, Bloomfield, N. J. Hydroxylated cyclopentano polyhydrophenanthrene compounds and method of making the same. 2,409,043; Oct. 8.
- Inlaid Optical Corporation, assignee: *See*—
Swanson, Rudolph E.
- Inland Steel Company, assignee: *See*—
Halley, James W.
- Inland Steel Container Company, assignee: *See*—
Brewton, Robert L.
- Imman, Clark H., Lakewood, N. J. Apparatus for cleaning eggs and the like. 2,408,648; Oct. 1.
- Inoue, Ryohel: *See*—
Kajita, Toshiji, and Inoue.
- Insoll, Edward T., Chicago, Ill. Stacking box. 2,410,216; Oct. 29.
- Inspiration Consolidated Copper Company, assignee: *See*—
Mason, William C.
- Institute of Paper Chemistry, The, assignee: *See*—
Van den Akker, Johannes A.
- Insulated Windows, Inc., assignee: *See*—
Barrowclough, William V.
- Integrated Mica Corporation, assignee: *See*—
Heyman, Moses D.
- Interchemical Corporation, assignee: *See*—
Ash, Harry K.
Bernardi, Dominic J., and Florence.
Fisher, Earl K.
Gans, David M.
Goepfert, Werner F.
Grupe, William F.
Jones, Wilbur L., and De Lia.
Lee, Ernest D.
Massarone, James S.
Ransom, Olive S., and Zucker.
Selden, George.
Wickmuis, Paul, and Linkletter.
Wickmuis, Arthur M., Jr.
- Wilson, Edwin A., and Newman.
- Interior, United States of America, as represented by the Secretary of, assignee: *See*—
Breton, Ernest J., and Waggaman.
Clemmer, Julius B., and Clemmons.
Clemmer, Julius B., and Rampack.
Fene, William J., and Freas.
Gibbs, Harold L., and Snedden.
Nisewanger, Carrol R., and Brown.
- Interior, United States of America, as represented by the Secretary of, assignee: *See*—
Havens, Richard.
- International Business Machines Corporation, assignee: *See*—
Ambrosio, Biagio F.
Beattie, Horace S., and David.
Blakely, Robert T.
Blodgett, Edwin O.
Brand, Samuel, and Cunningham.
Brand, Samuel, and Klotz.
Byrce, James W.
Corbett, Lawrence B.
Daly, George F., and Phillips.
Dickinson, Arthur H.
Dilling, Marion R.
Doty, Charles R.
Fiehl, Michael.
Fitch, Clyde J.
Ford, Eugene A.
Fuller, Frederick L.
Johnson, Reynold B.
Kavanagh, Joseph A.
King, Benjamin F.
Lake, Clair D.
Lake, Clair D., and Hamilton.
Lake, Clair D., Hamilton, and Durfee.
Leathers, Ward.
Leathers, Ward, and Haddad.
Lahn, Hans P.
Maslin, Robert M.
Mills, Albert W., Furman, and Rabenda.
Nichol, Frederick W.
Peris, Robert E.
Platt, Donald R., and Gray.
Platt, Donald R., and Jackoski.
Platt, Donald R., and Unterschutz.

International Business Machines Corporation, assignee: *See—Continued*

Plym, Lester M.
Rabenda, Edward J.
Rabenda, Edward J., and Furman.
Rabenda, Edward J., and Kistner.
Rast, Frederick Q.
Ross, John D.
Schneider, Kurt R.
Tholstrup, Henry L.
Von Reppert, Richard.
Watson, Arthur E., Lewis, and Walsh.
Watson, Thomas J.
Whetstone, Irene B.
Wilkinson, Victor O.
International Cellulotton Products Company, assignee: *See—*

Fourness, Charles A., and Harwood.
International Cigar Machinery Company, assignee: *See—*
Bechman, William O., Land, and Acton.
Crumb, Charles F.

Hall, John R.
Halstead, John F.
Hitchcock, Rex B., and Hibblom.
Wheeler, Henry H.
International Petrola Corporation, assignee: *See—*
Richman, William W.

International Furnace Equipment Company, The, assignee: *See—*

Acton, Russel D.
Acton, Russel D., and Krieg.
Avila, Frank W.
Bailey, Leon.
Baker, David B., and Bechman.
Baker, David B., and Hagen.
Callahan, Thomas L., and Weaver.
Dewey, Frederick L.
Dickow, Frederick P.
Erminger, Durward B.
Evans, Arthur G.
Graham, William S.
Hagen, Clarence R.
Hall, John R.
Hibblom, Samuel E.
Hitchcock, Rex B., and Hibblom.
Hitchcock, Rex B., and Seeber.
Huddle, Edwin F.
Hyman, Benjamin M.
Johnson, Arnold E. W., and Orellind.
Kakpke, Lee H., and Smith.
Laymon, Vaughn J.
Leisinger, John H., and Foley.
McNamara, Gordon G., Jr.
Messenger, Robert P., and Acton.
Messenger, Robert P., Johnson, and Schmied.
Mitchell, Melville J.
Morkoski, James.
Mott, Carl W.
Pool, Stuart D., and Downing.
Raney, Russell R.
Rietz, Edward L.
Rogers, Clifford R., Bechman, and Ziskal.
Rosenthal, William C., and Hubert.
Scarlett, Arthur A.
Schmied, William F.
Slavick, George.
Smith, Lewis E.
Tomik, George A.
Welty, Albert B.

International Harvester Company, assignee: *See—*
Asland, John L.
Johnson, Arnold E. W.

Raney, Russell R.
International Lubricant Corporation, assignee: *See—*
Fraser, Harold M.

International Mechnite Metal Company Limited, The, assignee: *See—*

Currie, Eric M.
International Minerals & Chemical Corporation, assignee: *See—*

Butt, Charles A., Hallman, Bowden, Whitlow and Pace.
Lundin, Harald.
Manning, Paul D. V.
International Nickel Company, Inc., The, assignee: *See—*
Bieber, Clarence G., Franke, and Sumpter.
Gagnebin, Albert P., and Wise.
Garrow, John W.
Carter, Joseph E., and Gensler.
Hudson, Frank.
Huston, Frederick P., Burrows, and Lawson.
Pfeil, Leonard B.
Renzoni, Louis S.
Tschop, Harry E.
Wise, Edmund M., and Vines.

International Paper Box Machine Company, The, assignee: *See—*

Labombarde, Harold S.
Maxim, William D., and Hutchins.

International Plastic Harmonica Corporation, assignee: *See—*

Magnus, Finn H.
International Products Company, assignee: *See—*
Johannes, Dana B., Jr.

International Register Company, assignee: *See—*

Gallagher, William P.
Marston, Jesse

International Safety Lock Nut Corporation, assignee: *See—*

Sherman, Vernon W., and Ketchem.

International Salt Company, Incorporated, assignee: *See—*

Kaufmann, Dale W.

International Shoe Company, assignee: *See—*

Manahan, Thomas M.

International Smelting & Refining Company, assignee: *See—*

Shropshire, William W.

International Standard Electric Corporation, assignee: *See—*

Bagwell, Omar C.
Beatty, William A., and Houghton.
Bowsher, Edward A. H.
Bowsher, Edward A. H., d'Assis-Fonseca, and Ward.
Brigham, Cecil E.
Busignies, Henri G.
Buss, Robert R.
Capen, William H.
Chatterjee, Prafulla K., and Scully.
Chevigny, Georges P., and Busignies.
D'Assis-Fonseca, Harold M. M., and Ward.
Deakin, Gerald.

Deakin, Gerald, and McLarn.

Deloraine, Edmond M.

Eyre, Charles M. L. G., and Gilderdale.

Fremlin, John H.

Goodchild, Frank D.

Grace, Bertram B., Handley, and Gilliver.

Handley, John

Hardy, René J.

Hodgson, Kenneth G.

Kelly, Richard.

Labin, Emile.

Lee, Edwin C.

Lehman, Gerard J.

Leno, John A., and Stray.

Levy, Maurice M., and Elliott.

Litton, Charles V.

Madlock, Alan J.

Martin, Norman H.

McLarn, Ernest S.

New, Archibald A.

Robertson, James S. P., and Gayford.

Roche, Alteman H., and Kidner.

Scott, Thomas R., and Lee.

Scully, Charles T.

Smyth, Charles N.

Stansfield, Richard.

Towner, Stanley H., and Childs.

Webb, John K.

Willoughby, Eric O.

International Transparency Company, The, assignee: *See—*

Laws, Arthur J.

International Vehicular Parking, Ltd., assignee: *See—*

Herschede, Walter J., W. F., and Woodruff.

Inter-Salt Corporation, assignee: *See—*

Greene, Edgeworth.

Interstate Aircraft and Engineering Corp., assignee: *See—*

Roberts, Fred T., Jr.

Interstate Bakeries Corporation, assignee: *See—*

Cohen, Morris, and Jorgenson.

Jones, Ap T.

Intertype Corporation, assignee: *See—*

Freund, Herman R., and Youngquist.

Mount, Wadsworth W.

Interval Instruments, Inc., assignee: *See—*

Rieber, Frank.

Veritch, Harold J.

Invex Corporation, assignee: *See—*

Craig, Palmer H.

Invex Inc., assignee: *See—*

Craig, Palmer H.

Iowa State College Research Foundation, assignee: *See—*

Stewart, Meredith M.

Ipatieff, Vladimir N.: *See—*

Haensel, Vladimir, and Ipatieff.

Linn, Carl B., and Ipatieff.

Pines, Herman, and Ipatieff.

Schmerling, Louis, and Ipatieff.

Ipatieff, Vladimir, and H. Pines, Riverside, assignors to

Universal Oil Products Company, Chicago, Ill. Pro-

duction of isobutane. 2,392,924; Jan. 15.

Ipatieff, Vladimir N., and H. Pines, Riverside, assignors to

Universal Oil Products Company, Chicago, Ill. De-

structive hydrogenation of polycyclic hydrocarbons.

2,394,691; Feb. 12.

Ipatieff, Vladimir N., and H. Pines, Riverside, assignors to

Universal Oil Products Company, Chicago, Ill. Pro-

duction of diolefinic hydrocarbons by reaction of an

alcohol with an acetylenic hydrocarbon. 2,410,445;

Nov. 5.

- Ipatieff, Vladimir N., and L. Schermerling, assignors to Universal Oil Products Company, Chicago, Ill. Catalysts. 2,402,051; June 11.
- Ipatieff, Vladimir N., and G. S. Monroe, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Isomerizing mono-olefins. 2,403,439; July 9.
- Ipatieff, Vladimir N., and G. S. Monroe, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Production of toluene. 2,404,498; July 23.
- Irasek, Eugene H., Bethesda, Md. Ammunition feed box. 2,401,762; June 11.
- Iredale, John A., Montreal, Quebec, Canada. Manufacture of graded shoe lasts. 2,594,780; Feb. 12.
- Ireland, Murray; *See*—
Gomersall, John R., and Ireland.
- Irmischer, Paul H., Chicago, Ill. Lighting apparatus. 2,406,223; Aug. 20.
- Irmischer, Hans O., East Hempstead, Long Island, N. Y., assignor to National Urn Bag Co. Inc. Conveyor mechanism. 2,399,228; Apr. 30.
- Irmischer, Hans O., East Hempstead, Long Island, assignor to National Urn Bag Co., Inc., Long Island City, N. Y. Manufacturing infusion packages. 2,406,018; Aug. 20.
- Iron Fireman Manufacturing Company, assignee; *See*—
Wright, Richard C.
- Irvine, Fergus A., and E. Frederick, Jr., New Orleans, La., assignors to The Celotex Corporation, Chicago, Ill. Molded product and making. 2,402,554; June 25.
- Irvine, George W., Jr., A. L. Merrifield, R. S. Burnett, and E. D. Parker, New Orleans, La., assignors to the United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Recovering peanut protein. 2,405,830; Aug. 13.
- Irving, John S., and T. K. Mace, Birmingham, England. Vehicle brake. 2,395,551; Feb. 26.
- Irving, Norman B., Philadelphia, Pa. Skid brake. 2,404,443; July 23.
- Irwin, Carl F.; *See*—
Perkins, Melvin A., and Irwin.
- Irwin, Justus C., Minneapolis, assignor to Wright Products, Inc., St. Paul Park, Minn. Door latch. 2,410,347; Oct. 29.
- Isaac, Joseph; *See*—
Smith, Fred J., and Isaac.
- Isaac, Leo A., Portland, Oreg. Money receptacle. 2,392,533; Jan. 8.
- Isaacson Iron Works, assignee; *See*—
Elliott, Burr B.
- Isaak, Albert, Cedar Falls, Iowa. Garment hanger. 2,412,735; Dec. 17.
- Isakson, Stig, assignor of one-half to G. W. Schumacher, Portland, Oreg. Scaffolding device. 2,413,569; Dec. 31.
- Ishlister, Eric J.; *See*—
Antony, Charles, Jr., and Ishlister.
- Iseki, Takeshi, Toyonaka, Japan; vested in the Alien Property Custodian. Manufacturing built-up permanent magnets. 2,392,592; Jan. 8.
- Isenberg, Hans D., Waukegan, Ill. Air-space insulated conductor. 2,395,872; Mar. 5.
- Isenberg, Sampson, assignor to General Luminescent Corporation, Chicago, Ill. Producing luminescent material. 2,397,066; Apr. 2.
- Isenberg, Sampson, and R. Hultgren, assignors to General Luminescent Corporation, Chicago, Ill. Production of luminescent dials. 2,395,185; Feb. 19.
- Isenberg, Solon, New York, N. Y., assignor of one-half to N. Shapiro, Philadelphia, Pa. Novelty carton. 2,396,010; Mar. 5.
- Isermann, Samuel, Tucson, Ariz., and E. Ohlsson, Short Hills, N. J. Agents for protecting against light of short wave length. 2,395,665; Feb. 26.
- Isler, Otto; *See*—
Karrer, Paul, and Isler.
- Isler, William, Cleveland Heights, Ohio. Transferring loads to industrial trucks. 2,394,692; Feb. 12.
- Isom, Langley W., Belmont, and E. E. Habib, Arlington, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Balloon valve. 2,403,801; July 9.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada. Blind. 2,407,554; Sept. 10.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control mechanism. 2,398,008; Apr. 9.
- Issigonis, Alexander A., assignor to Morris Motors Limited, Cowley, Oxford, England. Vehicle seat mounting. 2,396,511; Mar. 12.
- Isthmian Metals, Inc., assignee; *See*—
Whitney, Lyman F.
- Itscovich, Maxwell M., Chicago, Ill. Tire. 2,400,047; May 7.
- Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Manufacture of soap. 2,403,925; July 16.
- Ivano, Inc., assignee; *See*—
Curtis, Fred W.
- Iranovic, Nicholas, Philadelphia, Pa. Blast deflector and gun installation. 2,402,632; July 25.
- Ivers-Lee Company, assignee; *See*—
Salfsberg, Leroy L.
- Iverson, John O., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of hydrocarbons. 2,402,817; June 25.
- Iverson, John O., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,402,818; June 25.
- Iverson, John O., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of hydrocarbons. 2,404,499; July 23.
- Iverson, John O., assignor to Universal Oil Products Company, Chicago, Ill. Hydrogen fluoride alkylation process. 2,408,933; Oct. 8.
- Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Metal shear. 2,400,996; May 28.
- Ives, Herbert R.; *See*—
Lee, Thomas P., and Ives.
- Iveson, Herbert T.; *See*—
Julian, Percy L., and Iveson.
- Ivins, Barbara; *See*—
Burchell, Fford, and Ivins.
- Ivy, Joe G., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,412,888; Dec. 17.
- J & J Tool & Machine Co.; *See*—
Junkune, Bela B.
- J & S Tool Co., assignee; *See*—
Jakobsen, Harry S.
- Jaberg, Howard A., Cincinnati, Ohio. Electrical equipment. 2,410,287; Oct. 29.
- Jablin, Irving, Brooklyn, N. Y. Bottom rail for Venetian blinds. 2,402,894; June 25.
- Jablin, Irving, Brooklyn, N. Y. Venetian blind. 2,412,583; Dec. 17.
- Jablonsky, Bruno, Waddon, Croydon, England. Manufacturing articles from fibrous material. 2,407,833; Sep. 17.
- Jack, Delbert E., and D. Augsburg, assignors to The Duriron Company, Inc., Dayton, Ohio. Heat exchanger. 2,405,256; Aug. 6.
- Jack & Heintz, Inc., assignee; *See*—
Bousky, Samuel
Butchko, Paul S.
Carlson, Bert G.
Heintz, Ralph M., Steigerwald, and Cahill.
Neff, Joseph J.
- Jack & Heintz Precision Industries, Inc., assignee; *See*—
Bousky, Samuel
Cahill, Lysle D., Neff, and Frampton.
Carlson, Bert G.
Glegg, Jonas F.
Grubbs, David S.
Heintz, Ralph M.
Kalister, Frank B., Stafford, and Konyvka.
Martin, Boyd G.
Mitchell, Louis J.
Schofield, Philip F.
Seme, John J.
Squire, Robert C.
- Jack, Joe F., Arcadia, Calif. Dry firing cartridge. 2,405,308; Aug. 6.
- Jacker, Arthur P., Wilksburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Transmitting apparatus for remote control systems. 2,393,377; Jan. 22.
- Jackel, Arthur P., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,411,375; Nov. 19.
- Jackes-Evans Manufacturing Company, assignee; *See*—
Jackes, Franklin R., and Strano.
- Jackes, Franklin R., Ladue, and S. Strano, assignors to Jackes-Evans Manufacturing Company, St. Louis, Mo. Stovepipe. 2,393,168; Jan. 15.
- Jackman, Peter J., New York, N. Y. Speed micrometer. 2,403,283; July 2.
- Jackoski, Charles S.; *See*—
Flatt, Donald R., and Jackoski.
- Jackson, Albert S.; *See*—
Duncan, Donald M., Wright, Jackson, and Heyne.
- Jackson, Alexis, Westport, Conn., assignor to V. S. Makaroff, New York, N. Y. Lifting jack. 2,404,577; July 23.
- Jackson, Alfred L., New York, N. Y. Wall structure for buildings and the like. 2,412,404; Dec. 10.
- Jackson, Arch R., Bridgeport, Conn. Collapsible child's cart. 2,395,275; Feb. 19.
- Jackson, Arthur L.; *See*—
Polak, James J., and Jackson.
- Jackson, Arthur L., West Asheville, and J. K. Whisenant, assignors to American Enka Corporation, Enka, N. C. Method and apparatus for use in the manufacture of synthetic threads. 2,412,403; Dec. 10.
- Jackson, Arthur R., Mill Hill, England. Aircraft having moving airfoil or wing. 2,405,649; Oct. 1.
- Jackson, Byron, Co., assignee; *See*—
Lundeen, Chester A.
- Jackson, Carey B., Forest Hills, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Composition for purification of air and making same. 2,401,484; June 4.
- Jackson, Carey B., Forest Hills, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Producing alkali metal oxides. 2,405,580; Aug. 13.

- Jackson, Carey B., Forest Hills, J. H. Schneider, Ross Huntington Township, Westmoreland County, and W. P. Yant, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Breathing apparatus. 2,403,981; July 16.
- Jackson, Chester C.: *See*—
Reed, Willie.
- Jackson, Corwill, Ludington, Mich. Machine or apparatus for placing concrete pavements and the like. 2,396,426; Mar. 12.
- Jackson, Corwill, Ludington, Mich. Permanent magnet field generator. 2,407,883; Sept. 17.
- Jackson, Corwill, Ludington, Mich. Concrete placement apparatus. 2,413,632; Dec. 31.
- Jackson, Donald R. P., Deptford, assignor to Molins Machine Company, Limited, London, England. Machine for boxing cartridges or other elongated articles. 2,400,695; May 21.
- Jackson, Frederick B., Jr., Pittsfield, Mass., assignor to General Electric Company, Thermal protection of electric apparatus. 2,403,372; July 2.
- Jackson, George P., Flushing, assignor to Combustion Engineering Company, Inc., New York, N. Y. Multiple retort stoker. 2,398,009; Apr. 9.
- Jackson, George P., Flushing, and W. S. Patterson, Chappaqua, assignors to Combustion Engineering Company, Inc., New York, N. Y. Auxiliary air heater. 2,396,102; Mar. 5.
- Jackson, George W., assignor to American Optical Company, Southbridge, Mass. Unlocking lenses. 2,399,679; May 7.
- Jackson, George W., assignor to American Optical Company, Southbridge, Mass. Machine and method for edging articles. 2,404,844; July 30.
- Jackson, George W., assignor to American Optical Company, Southbridge, Mass. Edging machine. 2,406,606; Aug. 27.
- Jackson, George W., assignor to American Optical Company, Southbridge, Mass. Glass hardening. 2,409,284; Oct. 15.
- Jackson, Harry: *See*—
Miles, Frank D., and Jackson.
- Jackson, Henry L., White Plains, N. Y. Suspenders. 2,411,181; Nov. 19.
- Jackson, Honel A., Detroit, Mich. Electrode holder. 2,410,164; Oct. 29.
- Jackson, Horace G., Woodstown, N. J. Holder for bottles. 2,409,357; Oct. 15.
- Jackson, Horace G., U. S. Navy. Sailmaker's palm. 2,411,880; Dec. 3.
- Jackson Hydraulic Machine Co., Inc., assignee: *See*—
Jackson, Paul S.
- Jackson, Jesse A., Pensacola, Fla. Pencil sharpener. 2,394,387; Feb. 5.
- Jackson, John I., Norfolk, Va. Hand truck. 2,400,824; May 21.
- Jackson, John M., Chicago, Ill., assignor to American Can Company, New York, N. Y. Preserving. 2,396,265; Mar. 12.
- Jackson, Jules, New York, N. Y. Hair-grip pin. 2,403,601; July 9.
- Jackson, Maurice M., and E. Hauser, assignors to The Vienna Model Bakery, Inc., Chicago, Ill. Bread and making the same. 2,412,154; Dec. 3.
- Jackson, Paul S., assignor to Jackson Hydraulic Machine Co., Inc., Rockford, Ill. Toolhead for machine tools. 2,398,791; Apr. 23.
- Jackson, Paul S., assignor to Jackson Hydraulic Machine Co., Inc., Rockford, Ill. Frame element for machine tools. 2,399,187; Apr. 30.
- Jackson, Paul S., assignor to Jackson Hydraulic Machine Co., Inc., Rockford, Ill. Planer. 2,412,337; Dec. 10.
- Jackson, Pearl M., Chicago, Ill. Self-squeezing mop. 2,406,950; Sept. 3.
- Jackson, Sydney: *See*—
Chileot, Arthur H., and Jackson.
- Jackson, Thomas and T. B. Frearson, Spondon, near Derby, assignors to British Celanese Limited, London, England. Stretching of filaments or threads. 2,402,228; June 18.
- Jackson, William I., Orange, Calif. Aircraft propeller. 2,411,271; Nov. 19.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,400,554; May 21.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Valve for internal combustion engine. 2,403,001; July 2.
- Jacobs, James W., Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,409,434; Oct. 15.
- Jacobs, Joseph, New Orleans, La. Supporting board for playing solitaire and other games. 2,400,296; May 14.
- Jacobs, Joseph J., Brooklyn, N. Y., assignor to American Leitchin Company, Cleveland, Ohio. Phosphatide lubricant and making. 2,403,284; July 2.
- Jacobs Manufacturing Company, The, assignee: *See*—
Stoner, Arthur M.
- Jacobs, Philip F.: *See*—
Gord, Samuel, and Jacobs.
- Jacobsen Manufacturing Company, assignee: *See*—
Carlson, J. A. Edwin.
- Krenzke, William F.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,408,314; Sept. 24.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,409,127; Oct. 8.
- Jacobsen, Walter J., assignee, et al.: *See*—
De Michel, Frank.
- Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Cut film holder. 2,397,010; Mar. 19.
- Jacobson, Egbert, assignor to Container Corporation of America, Chicago, Ill. Color chart system. 2,409,285; Oct. 15.
- Jacobson, Franz, New York, N. Y. Rotary joint. 2,407,745; Sept. 17.
- Jacobson, Hugo W.: *See*—
Bennett, Arthur F., and Jacobson.
- Jacobson, Irving, Hollywood, Calif., and H. E. Smith, Rochester, N. Y., assignors to Gradex, Inc., Rochester, N. Y. Camera and light synchronizer. 2,406,691; Aug. 27.
- Jacobson, James, Chicago, Ill. Load transfer unit. 2,401,763; June 11.
- Jacobson, James H., Chicago, Ill. Load transference unit. 2,403,428; Aug. 6.
- Jacobson, Julius A.: *See*—
Shirk, William C., J. A. and R. C. Jacobson, and Shirk.
- Jacobson, Larry: *See*—
McMaster, Archie J., and Jacobson.
- Jacobson, Leo, assignor of one-half to A. C. Kendig, Los Angeles, Calif. Alarm system. 2,399,229; Apr. 30.
- Jacobson, Moses G.: *See*—
Yant, William P., Jacobson, and Strange.
- Jacobson, Moses G., Pittsburgh, and R. E. Hartline, Swissvale, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Combustible gas indicator. 2,393,220; Jan. 15.
- Jacobson, Raymond C.: *See*—
Shirk, William C., J. A. and R. C. Jacobson, and Shirk.
- Jacobson, Walter V., Apponaug, assignor to Universal Winding Company, Cranston, R. I. Winding machine. 2,409,215; Aug. 6.
- Jacobson, Wilgot J.: *See*—
Hoffman, James A., Oldham, and Jacobson.
- Jacobson, Wilgot J., Plainfield, J. A. Hoffman, Roselle, and S. R. Oldham, West Orange, N. J., assignors to The Linde Air Products Company. Bailout interlock connection. 2,397,265; Mar. 26.
- Jacobus, Edward, East Orange, N. J. Thermostatic vent valve for radiators. 2,400,297; May 14.
- Jacobus, John J., Town of Greece, assignor to General Railway Signal Company, Rochester, N. Y. Railway switch lock control system. 2,391,976; Jan. 1.
- Jacoby, Henry J.: *See*—
Goodman, Robert, and Jacoby.
- Jacquard Knitting Machine Co., Inc., assignee: *See*—
Sirmay, Julius.
- Jaeger, John H., Massillon, and H. J. Findley, Shaker Heights, assignors to The Eaton Manufacturing Company, Cleveland, Ohio. Rolling mill. 2,394,183; Feb. 5.
- Jaediker, George A., Rego Park, N. Y. Protractor for isometric drawings. 2,398,143; Apr. 9.
- Jaeger, Alphons O.: *See*—
Ashley, Kenneth D., and Jaeger.
- Jaeger, Clinton J., Sr.: *See*—
Hillard, Harry G., and Jaeger.
- Jaeger, Jacob J., West Hartford, assignor to Niles-Bement-Pond Company, Hartford, Conn. Circuit for tracer controlled machines. 2,398,500; Apr. 16.
- Jaeger Machine Company, assignee: *See*—
Mandt, Oert G.
- Murphy, George M.
- Jaeger Machine Company, The, assignee: *See*—
Barker, Eugene.
- Bohmer, Clarence L., and Millikin.
- Messana, Joseph, Jr.
- Millikin, Arnold S.
- Van Voorhis, William G.
- Jaegle, William T., Plainview, Long Island, N. Y., assignor to H. Strahman, Sr., Livingston, N. J. Valve. 2,402,406; June 18.
- Jaffa, William, Minneapolis, Minn. Mechanical toy. 2,397,268; Mar. 26.
- Jager, Howard M., Oceanside, N. Y., assignor to Republic Aviation Corporation. Forming sheet metal. 2,395,831; Mar. 5.
- Jager, Howard M., Oceanside, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Forming sheet metal. 2,400,004; May 7.
- Jager, Howard M., Oceanside, and E. Schenk, New York, N. Y., assignors to Republic Aviation Corporation. Forming sheet metal. 2,395,830; Mar. 5.
- Jager, Howard M., Oceanside and E. Schenk, New York, N. Y. assignors to Republic Aviation Corporation. Forming sheet metal. 2,395,832; Mar. 5.
- Jahn, Clarence M., Chicago, Ill., assignor to Firecraft Corporation. Adjustable hinge. 2,408,071; Sept. 24.

- Jahn, Edward J.: *See*—
Lovell, Lawrence L.
Lovell, Lawrence L., and Jahn.
- Jahn, Leroy B., Montevideo, Minn. Spring construction. 2,405,356; Aug. 6.
- Jahnig, Charles E., Roselle, N. J., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,407,371; Sept. 10.
- Jahoda, Edward, assignor to W. M. Fuchs, Detroit, Mich. Printing process. 2,412,889; Dec. 17.
- Jahoda, Edward, Detroit, and C. Wittenmyer, Mount Clemens, assignors to Walter M. Fuchs, Detroit, Mich. Printing process. 2,393,378; Jan. 22.
- Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Hardware article. 2,402,407; June 18.
- Jakobsen, Harry S., Harrison, assignor to J & S Tool Co., East Orange, N. J. Pivot tool control. 2,400,825; May 21.
- Jakobsen, Harry S., Harrison, assignor to J & S Tool Co., East Orange, N. J. Universal grinder head. 2,400,826; May 21.
- Jalbert, Domina C., Belmont, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts. Kite balloon. 2,398,744; Apr. 16.
- Jalbert, Domina C., Belmont, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Kite balloon. 2,398,745; Apr. 16.
- James, Harold V., Denver, Colo. Tire casing vulcanizer. 2,406,498; Aug. 27.
- James, Harold V., Denver, Colo. Tire retreading device. 2,411,657; Nov. 26.
- James, Harold V., Denver, Colo. Tire tube repair plate. 2,412,736; Dec. 17.
- James, Hector G., Birmingham, England, assignor to Imperial Chemical Industries Limited. Burning of sulphur. 2,395,483; Feb. 26.
- James, Henry D.: *See*—
Gates, Henry S. and James.
- James, Jules, U. S. Navy. Sight director. 2,404,379; July 23.
- James Manufacturing Company, assignee: *See*—
Waterman, Arthur E.
- James, Mark F., Atlanta, Ga. Textile loom sword. 2,398,144; Apr. 9.
- James, Norman L., Ingersoll, Ontario, Canada. Snow-plow. 2,408,867; Oct. 8.
- James, Parker H., Indianapolis, Ind. Illuminated display case. Re. 22,735; Mar. 26.
- James, Paul E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Application of markings to surfaces. 2,403,081; Jan. 2.
- Jameson, Charles M., Battle Creek, Mich. Dog clutch. 2,405,698; Aug. 13.
- Jameson, Ronald P., Christchurch, New Zealand. Fire detecting thermostat. 2,411,093; Nov. 12.
- Jamestown Metal Equipment Company, Inc., assignee: *See*—
Conterman, Fred A.
- Jamieson, Marcel, and L. Tremblay, Chicoutimi, assignors to Liquid Carbonic Canadian Corporation Limited, Montreal, Quebec, Canada. Label scraping attachment for bottle washing machines. 2,410,380; Oct. 29.
- Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid transmission. 2,393,470; Jan. 22.
- Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid transmission. 2,406,498; Aug. 27.
- Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid transmission. 2,407,496; Sept. 10.
- Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid transmission. 2,407,497; Sept. 10.
- Jandasek, Joseph, assignor to Bendix Aviation Corporation, Detroit, Mich. Torque converter. 2,393,859; Jan. 22.
- Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever assembly. 2,405,956; Aug. 20.
- James, Robert D.: *See*—
Henderson, Joseph E., and James.
- James, Robert B., Verona, N. J., assignor to Radio Corporation of America. Photoelectric electron multiplier. 2,401,734; June 11.
- James, Robert B., Verona, and A. M. Glover, East Orange, N. J., assignor to Radio Corporation of America. Manufacturing photoelectric tubes. 2,401,735; June 11.
- James, Robert B., Verona, N. J., assignor to Radio Corporation of America. Phototube and manufacture. 2,401,736; June 11.
- James, Robert B., Verona, N. J., assignor to Radio Corporation of America. Phototube and manufacture. 2,401,737; June 11.
- James, Russell G., La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich. Controller mechanism. 2,409,762; Oct. 22.
- Janlewski, Andrew V., Sebring, Fla. Aircraft launching means. 2,404,763; Oct. 22.
- Janls, Samuel, Baltimore, Md. Baseball bat. 2,394,194; Feb. 6.
- Janiszewski, Kasimir, Milwaukee, Wis. Die set and manufacture thereof. 2,399,188; Apr. 30.
- Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Clamp for master sheets of printing machines. 2,411,881; Dec. 3.
- Jankoski, Anthony M., Stanley, Wis. Film developing apparatus. 2,402,250; June 18.
- Janosko, John J., Anaconda, Mont. Safety crutch. 2,402,330; June 18.
- Janota, Joseph, Jr.: *See*—
Button, Bland B., Jr., and Janota.
- Janota, Joseph, Jr., Crete, and B. B. Button, Jr., Chicago, Ill., assignors to The Diversey Corporation. Compositions for deacidizing aluminum and aluminum alloys. 2,398,079; Apr. 9.
- Jansen, Richard L.: *See*—
Miller, Ralph, and Jansen.
- Janson, George W.: *See*—
Light, George O., Agnew, and Janson.
- Janson, Harry, Bronxville, assignor to Douglas Leigh, Inc., New York, N. Y. Reproduction of a face. 2,399,121; Apr. 23.
- Jansson, Arvid, Wilkensburg, assignor of one-half to G. L. Calig, Pittsburgh, Pa. Internal-combustion engine. 2,403,440; July 9.
- Jantz, Gustave H., Cincinnati, Ohio, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,406,951; Sept. 3.
- Jany, Joseph, Sao Paulo, Brazil. Arrangement for the distant viewing of radioscopic images. 2,406,148; Aug. 20.
- Jaques, John C., Denison, Tex. Portable saw. 2,411,623; Nov. 26.
- Jaques, John C., Denison, Tex. Mobile saw. 2,411,624; Nov. 26.
- Jaques, John C., Denison, Tex. Snatch block. 2,411,625; Nov. 26.
- Jaques, John C., Denison, Tex. Mobile winch unit. 2,411,626; Nov. 26.
- Jaques, John C., Denison, Tex. Earth auger. 2,411,627; Nov. 26.
- Jaques, John C., Denison, Tex. Portable saw. 2,412,704; Dec. 17.
- Jaques, John C., Denison, Tex. Portable saw. 2,412,705; Dec. 17.
- Jarchow, Werner C., Ridley Park, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Apparatus for forming hollow molds. 2,402,555; June 25.
- Jarmak, Jack: *See*—
Proffer, Edward C., Jr., Tweed, and Jarmak.
- Jarman, Gordon N.: *See*—
Wearn, Richard B., and Jarman.
- Jarman, Vincent G., Watchung, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Adjustment fixture. 2,408,316; Sept. 24.
- Jarmann, Alfred, Jr., Schodack Landing, N. Y., assignor to General Electric Company. Electric induction apparatus and coil support. 2,393,169; Jan. 15.
- Jarnagin, Marvin, Detroit, Mich. Toy pistol. 2,401,485; June 4.
- Jarret, George T., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch. 2,405,357; Aug. 6.
- Jarrett, Stanley G.: *See*—
Charlton, William, Jarrett, and Walker.
- Jarvis, Nathan, assignee, et al.: *See*—
Schonthal, Leopold.
- Jasco, Incorporated, assignee: *See*—
Cornell, Paul W.
Frolich, Per K.
Gleason, Anthony H., and Sparks.
Green, Arthur D., Lane, and Marshall.
Hartvigsen, Harman.
Haworth, Joseph P.
Kearby, Kenneth K.
Lightbown, Irving E., and Beekley.
Murphy, Roger W., Rogers, and Green.
Sparks, William J., and Field.
Thomas, Robert M., and Baldwin.
Thomas, Robert M., and Field.
Vanderbilt, Bryon M., and Howe.
Van Gilder, Earl F., and Evans.
Waterman, W. W., and Vanderbilt.
Young, David W.
- Jasper, Leus, Orland, Calif., assignor to Seth S. Barker, Ottumwa, Iowa. Plucking fowl. 2,412,535; Dec. 10.
- Jastrzemski, Edward: *See*—
Martin, Joseph F., Jr., and Jastrzemski.
- Jatlow, Jacob L.: *See*—
Crouse, George B., Holt, and Jatlow.
- Jauch, Robert J., Fort Wayne, S. Hinds, Columbia City, and E. W. Stum, assignors to The Wayne Pump Company, Fort Wayne, Ind. Hose reel for liquid dispensing apparatus. 2,397,267; Mar. 26.
- Jaworski, Joseph F., Cleveland Heights, and N. Jaworski, Cleveland, Ohio. Supercharger pump or motor. 2,394,185; Feb. 6.
- Jaworski, Norbert: *See*—
Jaworski, Joseph F., and Norbert.
- Jeannin, John F., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,401,567; June 4.
- Jearns, Frederick C., Sutton, England. Dop or holder for diamonds and like tool pieces for grinding or polishing purposes. 2,394,242; Feb. 5.

- Jeary, Lyle T., Guthrie, Okla. Bed wardrobe. 2,402,286; June 18.
- Jeckel, Norman C., Glens Falls, N. Y., assignor to United States Catheter & Instrument Corp. Catheter. 2,407,929; Sept. 17.
- Jeffords, Leuell W., assignor to R. Jeffords, Chicago, Ill. Feed-water apparatus for boilers. 2,412,775; Dec. 17.
- Jeffords, Roland, Pamplico, S. C. Spraying machine. 2,394,761; Feb. 12.
- Jeffords, Roma, assignee: *See—*
Jeffords, Leuell W.
- Jeffrey Company, The, assignee: *See—*
Johnson, Claus J.
- Jeffrey Manufacturing Company, The, assignee: *See—*
Bird, Byron M.
Dickson, Wilbur R.
Dodge, Gordon F.
Lee, Arthur L.
Levin, Nils M.
Mercier, Stanley M.
Wright, Fred J.
- Jeffreys, Charles R., McKeesport, Pa. Apparatus for smoothing furnace walls. 2,394,858; Feb. 12.
- Jeggs, Sidney T., Rickmansworth, assignor to E. H. Jones (Machine Tools) Limited, London, England. Control mechanism. 2,412,359; Dec. 10.
- Jeffs, Harry F., Detroit, Mich. Shade roller bracket. 2,396,266; Mar. 12.
- Jegge, Emil G.: *See—*
Buffington, Malcolm R., and Jegge.
- Jekels, Ludwig, assignee, et al.: *See—*
Kreidl, Ignaz and W.
- Jelders, Neus, San Jose, Calif. Machine for use in harvesting fruit from low growing plants. 2,395,124; Feb. 19.
- Jelinek, Donald: *See—*
Keller, Philip B., and Jelinek.
- Jelly, Edwin E., and P. W. Vitum, assignors to Eastman Kodak Company, Rochester, N. Y. Preventing color fog in photographic material. 2,403,721; July 9.
- Jelley, Edwin E., and L. S. Wilder, assignors to Eastman Kodak Company, Rochester, N. Y. Camouflage detection. 2,403,722; July 9.
- Jelinek, Markus, Larchmont, N. Y. Clip jewelry. 2,400,513; May 21.
- Jellis, Morgan: *See—*
Wainwright, John E.
- Jenckel, Stephen, Chagrin Falls, Ohio. Fluid coupling. 2,397,882; Apr. 2.
- Jencks, Charles D., Bristol, R. I. Adjustable support for bifocal lenses. 2,410,584; Nov. 5.
- Jeni, Jesse B., Festus, Mo. Screw driver. 2,406,149; Aug. 20.
- Jenkins, Alexander F., assignor to The Alexander Milburn Company, Baltimore, Md. Torch tip. 2,392,386; Jan. 8.
- Jenkins, Alexander F., assignor to The Alexander Milburn Company, Baltimore, Md. Torch tip. 2,392,593; Jan. 8.
- Jenkins, Arthur M., Oakland, Calif. Clip or fastener for stovepipes and the like. 2,406,224; Aug. 20.
- Jenkins, Chester P.: *See—*
Troller, Theodor H., and Jenkins.
- Jenkins, Chester P., New Philadelphia, Ohio, assignor to La-Del Conveyor & Manufacturing Company. Fan and motor unit. 2,397,170; Mar. 26.
- Jenkins, Edward M.: *See—*
Brown, George B., and Jenkins.
- Jenkins, Edward M., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Stationary ventilator. 2,392,742; Jan. 8.
- Jenkins, Edward M., and D. Loetscher, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Expansion joint filler. 2,401,936; June 11.
- Jenkins, Edward S., Snyder, and A. F. Donovan, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Automatic blade pitch control for helicopter rotor or air-screw. 2,397,489; Apr. 2.
- Jenkins, Fred W.: *See—*
Monson, Louis T., Anderson, and Jenkins.
- Jenkins, Gwilym I.: *See—*
Fawcett, Eric W. M., and Jenkins.
- Jenkins, Howard, Arlington, Va. System of compass compensation. 2,412,677; Dec. 17.
- Jenkins, John D., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plasticization of plastics. Re. 22,812; Dec. 3.
- Jenkins, John D., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Obtaining sterol and the like from tall oil. 2,394,615; Feb. 12.
- Jenkins Petroleum Process Company, assignee: *See—*
Smith, Arthur D.
- Jenkins, Tazewell H., Chicago, Ill. Bottle carrier. 2,409,684; Oct. 22.
- Jenkins, Vance N.: *See—*
Fischer, Paul W., and Jenkins.
- Jenkins, Vance N., Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif. Two-stage decolling dewaxing. 2,397,868; Apr. 2.
- Jenkins, Vance N., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil composition. 2,410,381; Oct. 29.
- Jenkins, William A., assignee: *See—*
Butler, William M.
- Jenkinson, Robert L., Teaneck, N. J., assignor to The Marlin Firearms Company, New Haven, Conn. Multiple barrel gun. 2,409,939; Oct. 22.
- Jenks, Frederic A.: *See—*
Ginzton, Edward L., Palmer, and Jenks.
- Jenks, Frederic A., Mineola, D. F. Folland, Hempstead, A. S. Maeder, Seardsdale, and W. T. Cooke, Huntington, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Instrument landing system. 2,408,425; Oct. 1.
- Jenks, Frederic A., Mineola, and D. F. Folland, Hempstead, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. High-frequency coaxial distributor and system. 2,403,779; Oct. 8.
- Jenks, Harold C., Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,397,182; Mar. 26.
- Jenney, John A., Flushing, N. Y. Dermotome. 2,413,354; Dec. 31.
- Jennings, Aaron E., Central City, Ky. Tire spreader. 2,397,863; Apr. 2.
- Jennings, Alfred J., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carburetor diaphragm. 2,405,038; July 30.
- Jennings, B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bis sulphonamides of naphthol sulphonyl chlorides with aromatic diamines. 2,395,484; Feb. 26.
- Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color photography and elements therefor. 2,397,865; Apr. 2.
- Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements containing protein color formers. 2,397,867; Apr. 2.
- Jennings, Andrew B., New Brunswick, O. W. Murray, Metuchen, and C. F. A. White, Oldbridge, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Color yielding photographic elements. 2,397,864; Apr. 2.
- Jennings, George H., Cincinnati, Ohio. Water-resistant shoe. 2,408,650; Oct. 1.
- Jennings, William H., assignor to Camp Manufacturing Company, Inc., Franklin, Va. Producing a tall oil of low viscosity and free from crystallization. 2,398,312; Apr. 9.
- Jenry, Alfred L., Pittsfield, Mass., assignor to General Electric Company. Curing hydrocarbon-substituted polysiloxane resin compositions containing lead monoxide. 2,410,737; Nov. 5.
- Jensen, Aage, Racine, Wis. Hydraulic transmission. 2,398,333; Apr. 9.
- Jensen, Cyrii D., Annapolis, Md. Coated electrode. 2,394,550; Feb. 12.
- Jensen, Edgar C., Rochester, H. G. Scull, New York, and J. G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company. Composition for discharge printing. 2,409,980; Oct. 22.
- Jensen, Emil O., Chicago, Ill. Machine for applying pneumatic pressure to cast metals. 2,406,333; Aug. 27.
- Jensen, Harry M., Chicago, Ill. Power unit for reeling cable or wire. 2,412,508; Dec. 10.
- Jensen, Helge: *See—*
Cole, Louis W., and Jensen.
- Jensen, Helge: *See—*
Cole, Louis W., and Jensen.
- Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Rivet setting tool. 2,400,354; May 14.
- Jensen, Julius A., Willamina, Oreg. Logging rigging. 2,396,790; Mar. 19.
- Jensen, Julius A., Willamina, Oreg. Rigging connector element. 2,406,607; Aug. 27.
- Jensen Machinery Company, Inc., assignee: *See—*
Bryant, Forrest L. G.
- Jensen, Miriam D., administratrix: *See—*
Donie, Harold P.
- Jensen, Otto, Malvern, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Motor-operated circuit breaker. 2,393,687; Jan. 29.
- Jensen, Otto, Malvern, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Motor-operated circuit breaker. 2,393,688; Jan. 29.
- Jensen, Raymond W., assignor to The Garrett Corporation, Firesearch Manufacturing Company division, Los Angeles, Calif. Temperature and pressure control. 2,405,831; Aug. 13.
- Jensen, Richard C.: *See—*
Hollingsworth, Guilford L., and Jensen.
- Jensen, Thormod, Laurelton, N. Y., assignor to American Machine & Foundry Company. Vertical mixer. 2,404,380; July 23.
- Jensen, Thormod, Laurelton, N. Y., assignor to American Machine & Foundry Company. Wire whip. 2,397,011; Mar. 19.
- Jenssen, G. D., Company, Incorporated, assignee: *See—*
Jenssen, Jacob D.
- Jenssen, Jacob D., assignor to G. D. Jenssen Company, Incorporated, New York, N. Y. Means for absorbing relief gases from sulphite pulp digesters. 2,402,895; June 25.

- Jeppson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Cooling means for shafts. 2,397,012; Mar. 19.
- Jergens, John G.: *See—*
- Noble, Le Isle D., Stanton, and Jergens.
- Jernstedt, George W., Bloomfield, and J. C. Lura, Union, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective coatings for nonferrous metals. 2,394,065; Feb. 5.
- Jerome, Alan J., assignor to Toledo Scale Company, Toledo, Ohio. Batching scale. 2,395,643; Apr. 16.
- Jerome, Arthur L.: *See—*
- Pascoe, Frank T., and Jerome.
- Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,400,005; May 7.
- Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,409,044; Oct. 8.
- Jerry, Hubert W., assignee, et al.: *See—*
- Gideon, Victor W.
- Jerry, Louise C., assignee, et al. *See—*
- Gideon, Victor W.
- Jesionowski, Raymond S.: *See—*
- Bailey, James, and Jesionowski.
- Wiley, Fred E., Canfield, Jesionowski, and Bailey.
- Jesionowski, Raymond S., assignor to Plax Corporation, Hartford, Conn. Die unit for extruding shapes of organic plastic materials. 2,405,039; July 30.
- Jespersen, Clarence M., Anniston, Ala. Stoker. 2,392,480; Jan. 8.
- Jessen, Preben, North Bergen, N. J. Device for unloading packaged merchandise. 2,412,155; Dec. 3.
- Jessen, Robert F.: *See—*
- Daughdrill, James H., and Jessen.
- Jessup, Nellie E., Los Angeles, Calif. Piston ring. 2,409,764; Oct. 22.
- Jetschmann, Richard P., Milford, Conn. Pastry. 2,404,177; July 16.
- Jewell, Howard W., Los Angeles, Calif. Pipe joining device. 2,409,805; Oct. 22.
- Jewell, Joseph W.: *See—*
- Gunness, Robert C., and Jewell.
- Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Position indicator. 2,405,429; Aug. 6.
- Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Pull-off magnet. 2,401,160; May 28.
- Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Direct-current ratio measuring electrical instrument. 2,409,805; Oct. 22.
- Jewish Hospital of Brooklyn Research Foundation, assignee: *See—*
- Natelson, Samuel, Kramer, and Tekel.
- Jicwood Limited, assignee: *See—*
- Buchanan, Charles H.
- Jilko Service Products, assignee: *See—*
- Levy, Joseph I.
- Jimenez, Jim R., Blackfoot, Idaho. Wheeled carrier for milk cans and the like. 2,396,325; Mar. 12.
- Jirousek, Joseph F., assignor to The Chandler & Price Company, Cleveland, Ohio. Printing mechanism. 2,398,832; Apr. 23.
- Joachim, Joseph G., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Latch handle assembly. 2,404,845; July 30.
- Joanna Textile Mills Company, assignee: *See—*
- Delegard, Carl J.
- Job, Arthur, Providence, R. I., assignor to Sils Corporation, Comber. 2,410,738; Nov. 5.
- Jobe, John R., Houston, Tex. Pipe cutter. 2,397,318; Mar. 26.
- Jobling, James A., & Company Limited, assignee: *See—*
- Everett, Samuel J.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Trimming mechanism. 2,404,500; July 23.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Tuft anchoring means for brushes. 2,409,490; Oct. 15.
- Jodell, Georg E., Prahran, Victoria, assignor to Electrolux Pty. Limited, Sydney, Australia. Kerosene burner for use in refrigerators or in other heat-actuated apparatus. 2,407,426; Sept. 10.
- Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Busy test system. 2,302,090; Jan. 1.
- Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulsing system. 2,410,446; Nov. 5.
- Joel, Martin J., New York, N. Y. Sanitary pipe cabinet. 2,401,161; May 28.
- Joesting, Frederick D., Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Positive relay. 2,394,186; Feb. 5.
- Johannes, Dana E., Silver Spring, Md., assignor to International Products Company, Washington, D. C. Nonslip cementitious composition and article. 2,411,213; Nov. 19.
- Johansen, Einar K., assignor to Clearing Machine Corporation, Chicago, Ill. Clutch and brake mechanism. 2,402,052; June 11.
- Johansen, John V., Chicago, Ill. Decorticating fibrous materials. 2,391,977; Jan. 1.
- Johansen, Einar K., Oak Park, and R. W. Glasner, assignors to Clearing Machine Corporation, Chicago, Ill. Clutch mechanism. 2,396,427; Mar. 12.
- Johanson, Magnus H., Rochester, and E. Wildhaber, Brighton, assignors to Gleason Works, Rochester, N. Y. Method and machine for relieving gear cutters. 2,410,348; Oct. 29.
- Johansson, Birger, Nykoping, Sweden. Furnace. 2,399,871; May 7.
- Johansson, Erik H. E., Stockholm, Sweden. Production of metallic powder in spherical form. 2,391,903; Jan. 1.
- Johansson, Ernest G.: *See—*
- Sparkes, Harry P., and Johansson.
- Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Disconnect for electrical terminal blocks. 2,407,372; Sept. 10.
- Johansson, Sven G., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembly apparatus. 2,393,780; Jan. 29.
- Johansson, Sven G., Cranford, and H. C. Slechta, Plainfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Soldering apparatus. 2,404,780; July 23.
- Johndrew, Wilbur, Buffalo, N. Y. Compensator for riveting machines. 2,400,758; May 21.
- Johnig, Charles E., Roselle, N. J., assignor to Standard Oil Development Company. Scrubbing dust-laden gases. 2,404,071; July 16.
- Johns, Harry P., Kansas City, Mo., assignor to V. V. Johns. Oil well pump packing. 2,410,976; Nov. 12.
- Johns-Manville Corporation, assignee: *See—*
- Brown, George B.
- Brown, George B., and Jenkins.
- Burratt, Clinton B., Donahue, and Randolph.
- Cumming, Milton K., and Van Tine.
- Hamilton, Clarence R., King, and Baker.
- Hawthorne, Louis A., and Powell.
- Hedges, Lee M.
- Jenkins, Edward M.
- Jenkins, Edward M., and Loetscher.
- Miles, William S., and Voigt.
- Powell, Edward R.
- Powell, Edward R., and Holcomb.
- Quinn, Robert G.
- Rembert, Ernest W.
- Smolak, George.
- Van Dyck, Pierre, and Bradley.
- Kinencz, Manuel H.
- Johns, Velma V., assignee: *See—*
- Johns, Harry P.
- Johnsen, Bjornulf, Summit, N. J., assignor to L. P. Frieder, New York, N. Y. Releasing device. 2,413,450; Dec. 31.
- Johnsen, James: *See—*
- Nelson, William B., Johnsen, Dyruff, and Bell.
- Johnshoy, Martinus C., deceased, Starbuck, Minn.; O. Johnshoy, special administratrix. Communion wafer tray. 2,397,740; Apr. 2.
- Johnshoy, Olava, special administratrix: *See—*
- Johnshoy, Martinus C.
- Johnson, A. Parley, assignee: *See—*
- Harford, Dwight L.
- Johnson, Aaron D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pickling bath for ferrous metals. 2,406,379; Aug. 27.
- Johnson, Alfred A.: *See—*
- Fothergill, Robert E., Hill, and Johnson.
- Johnson, Alfred C.: *See—*
- Miller, William J., and Johnson.
- Johnson, Almon A., Forest Hills, N. Y. Winch for towing and the like. 2,411,094; Nov. 12.
- Johnson, Almon A., Forest Hills, N. Y. Winch. 2,412,776; Dec. 17.
- Johnson, Arnold E. W.: *See—*
- Messenger, Robert P., Johnson, and Schmied.
- Johnson, Arnold E. W., Oak Park, Ill., assignor to International Harvester Company. Agricultural tractor. 2,413,355; Dec. 31.
- Johnson, Arnold E. W., Oak Park, and J. R. Orelind, Wilmette, Ill. Tractor jack. 2,410,945; Nov. 12.
- Johnson, Arnold E. W., Oak Park, and J. R. Orelind, Wilmette, Ill., assignors to International Harvester Company. Jack. 2,407,080; Sept. 3.
- Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Paper support. 2,395,471; Jan. 22.
- Johnson, Arthur C., Chicago, Ill., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,402,229; June 18.
- Johnson, Avin C., assignee: *See—*
- Oliver, Charles C.
- Johnson, Axel F., Chicago, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Flexible tubing. 2,402,497; June 18.
- Johnson, Benjamin F., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Base structure for jacks. 2,400,235; May 14.
- Johnson, Bernard, Lefors, Tex., and H. C. Foster, Pittsburgh, Pa., assignors to Columbian Carbon Company. Furnace. 2,393,106; Jan. 15.

- Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Refrigerant evaporator. 2,411,376; Nov. 19.
- Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Refrigerator liner construction. 2,413,233; Dec. 24.
- Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Evaporator unit. 2,413,236; Dec. 24.
- Johnson, C. S., Company, The, assignee: *See*—Johnson, Charles H.
- Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,398,010; Apr. 9.
- Johnson, Carl R., Milwaukee, Wis. Tailstock. 2,393,689; Jan. 29.
- Johnson, Carl W., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Sewing machine needle bar mechanism. 2,402,251; June 18.
- Johnson, Carl W., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Stitch length adjusting mechanism. 2,407,986; Sept. 24.
- Johnson, Carl W., Brooklyn, and J. A. Neumair, Hollis, N. Y., assignor to American Machine & Foundry Company. Slip stitching machine. 2,409,045; Oct. 8.
- Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Automatic timing arrangement for multiple unit polishing machines. 2,399,039; Apr. 23.
- Johnson, Charles H., assignor to The C. S. Johnson Company, Champaign, Ill. Mixing plant. 2,408,397; Oct. 1.
- Johnson, Charles R., Glenn Mills, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Detonator loading machine. 2,403,286; July 2.
- Johnson, Charles W., Green River, Wyo. Ornamental plaque. 2,392,046; Jan. 1.
- Johnson, Charles W., New Brunswick, N. J., assignor to E. du Pont de Nemours & Company, Wilmington, Del. Adhesive compositions. 2,410,414; Nov. 5.
- Johnson, Clarence W., and J. G. Sterling, Chicago, M. H. Wright, and R. T. Wright, Lake Bluff, Ill., assignors to Stenographic Machines, Inc. Stenographic machine. 2,398,781; Jan. 29.
- Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Machine-tool control. 2,399,806; May 7.
- Johnson, Claus J., Columbus, Ohio, assignor to The Jeffrey Company. Vibratory feeder. 2,294,914; Feb. 12.
- Johnson, Corydon M., Freeport, N. Y. Former for sheet metal parts. 2,397,608; Apr. 2.
- Johnson, E. R. F., United States Navy. Device for viewing underwater bodies. 2,396,267; Mar. 12.
- Johnson, Ellis A., Chevy Chase, Md., and R. MacHenry, Washington, D. C. Water stop device for electrical cables. 2,396,702; Mar. 19.
- Johnson, Ellsworth T., assignor to Deere & Company, Moline, Ill. Safety shield. 2,410,503; Nov. 5.
- Johnson, Elmer C., assignor to C. Earl Hovey, Kansas City, Mo., as Trustee. Plural coin controlled mechanism for vending machines or the like. 2,396,011; Mar. 5.
- Johnson, Elmer L., Chicago, Ill. Garment hanger. 2,408,145; Sept. 24.
- Johnson, Elmer R., Beacon, N. Y., assignor to Texaco Development Corporation, Jersey City, N. J. Motor fuel and using same. 2,406,544; Aug. 27.
- Johnson, Eric C., Spalding, England. Cloche, greenhouse, and the like. 2,400,421; May 14.
- Johnson, Eric J.: *See*—Oehler, Alvin W., and Johnson.
- Johnson, Ernest L.: *See*—Lehmberg, William H., and Johnson.
- Johnson, Everett L., Patheogue, N. Y. Retouching apparatus. 2,404,134; July 16.
- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Conversion of hydrocarbons with suspended catalysts. 2,393,636; Jan. 29.
- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Chemical reaction with fluidized solids. 2,393,909; Jan. 29.
- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Concurrent-counter-current regenerator. 2,401,739; June 11.
- Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Temporary positioning and holding apertured members. 2,398,644; Apr. 16.
- Johnson, Frank W., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company. Fluoro-chlorobutanes. 2,398,181; Apr. 9.
- Johnson, Frank W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic rubberlike materials comprising 1,3-butanedienes. 2,402,819; June 25.
- Johnson, George A., trustee, assignee, et al.: *See*—Geiger, William A.
- Johnson, George A., Chicago, and S. B. Haseltine, La Grange, assignors to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,410,165; Oct. 29.
- Johnson, Harold G., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of 2-methyl-1,2-propanediamine. 2,408,171; Sept. 24.
- Johnson, Harold G., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of diamines. 2,408,172; Sept. 24.
- Johnson, Harold J., assignor to The Gates Rubber Company, Denver, Colo. High speed motor. 2,392,743; Jan. 8.
- Johnson, Harold L., Chicago, Ill. Adjustable blind awning. 2,404,178; July 16.
- Johnson, Harry C., Mason City, Nebr. Adjustable fastener for electric fence insulators. 2,409,491; Oct. 15.
- Johnson, Harry H., Brookline, Mass. Shoe. 2,407,498; Sept. 10.
- Johnson, Helge J. M., Alston, and W. H. Kurth, Cambridge, Mass. Undercutting tool. 2,400,933; May 28.
- Johnson, Henry L., Denison, Tex. Apparatus for undisturbed overburden sampling. 2,403,002; July 2.
- Johnson, Herbert B., assignor to Ritter Products Corporation, Rochester, N. Y. Electrostatic sizing of materials. 2,398,792; Apr. 23.
- Johnson, Herbert F.: *See*—Crane, Edward V., and Johnson.
- Johnson, Herbert L.: *See*—Perrine, John H., and Johnson.
- Johnson, Herbert L., Norwood, and J. H. Perrine, Prospect Park, assignors to Sun Oil Company, Philadelphia, Pa. Preparation of soluble oil. 2,395,627; Feb. 26.
- Johnson, Howard C. E.: *See*—Bock, L. H., Johnson, and Armstrong.
- Johnson, Hubert D., Jr., Wilton, Calif. Airplane wheel spinners. 2,393,319; Mar. 26.
- Johnson, Hugh B., Rochester, N. Y. Stretcher. 2,392,850; Jan. 15.
- Johnson, James P., Shaker Heights, Ohio. Rotary pump. 2,393,690; Jan. 29.
- Johnson, Jay M., Detroit, Mich. Can opener. 2,403,373; July 2.
- Johnson, Jesse E., Colbert, Wash. Oscillating welding rod. 2,407,746; Sept. 17.
- Johnson, Joel R., Chicago, Ill., assignor to Western Electric Company, Inc., New York, N. Y. Broaching machine. 2,394,699; Feb. 12.
- Johnson, John E., Morristown, assignor to Elastic Stop Nut Corporation of America, Union, N. J. Removable basket nut. 2,409,209; Oct. 15.
- Johnson, John F., Ludington, Mich. Temperature control for cooling fluid of internal-combustion engines. 2,401,646; June 4.
- Johnson, John H.: *See*—Henney, Grover R., and Johnson.
- Johnson, John K., Douglaston, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Telemetering system. 2,403,890; July 9.
- Johnson, John K., Deerfield, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. System for indicating mechanical motion. 2,407,282; Sept. 10.
- Johnson, John K., Deerfield, Ill., and H. A. Wheeler, Great Neck, N. Y., assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Radiated-signal direction finder. 2,407,281; Sept. 10.
- Johnson, John K., Deerfield, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Ultra high frequency tuning unit. 2,413,451; Dec. 31.
- Johnson & Johnson, assignee: *See*—Turner, George T., and Wenzelberger.
- Johnson, Ralph L.
- Johnson, Joseph E., Islington, Mass. Necktie. 2,404,962; July 30.
- Johnson, Junius P., New Bern, N. C. Carriage chuck and boring bar. 2,401,078; May 28.
- Johnson, Keith W., Washington, D. C. Toy. 2,399,636; May 7.
- Johnson, Kenneth C.: *See*—Sells, Gage, Johnson, and Black.
- Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone repeater circuit. 2,408,072; Sept. 24.
- Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated. Negative impedance circuit. 2,410,076; Oct. 29.
- Johnson, Leon H., Warren, Pa. Roller mounting for shells. 2,399,189; Apr. 30.
- Johnson, Lester M.: *See*—Edwards, Miles L., MacBain, and Johnson.
- Johnson, Lloyd E., Fon du Lac Township, Tazewell County, and C. R. Maxwell, Washington, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Internal-combustion engine. 2,398,182; Apr. 9.
- Johnson, Lloyd E., Fon du Lac Township, Tazewell County, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Fuel injection mechanism. 2,410,946; Nov. 12.
- Johnson, Lloyd E., Fon du Lac Township, Tazewell County, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Fuel injection pump mechanism. 2,410,947; Nov. 12.
- Johnson, Malcolm S.: *See*—Ellis, Edward J., and Johnson.
- Johnson-March Corporation, The, assignee: *See*—Kleinlicke, Werner E.
- Johnson, Marvin H., Baldwin Park, Calif. Welded container. 2,395,373; Feb. 19.
- Johnson, Mauritz, assignee: *See*—Myers, John A.

- Johnson, Melvin M., assignee, trustee, et al.: *See—*
Johnson, Melvin M., Jr.
Johnson, Melvin M., assignee, et al., trustee: *See—*
Johnson, Melvin M., Jr.
Johnson, Melvin M., Jr., assignor to M. M. Johnson, Brookline, and M. M. Johnson, Jr., and E. E. Rice, as trustees of Johnson Patent Trust, Boston, Mass. Fire-arm butt stock. 2,400,422; May 14.
Johnson, Melvin M., Jr., assignor to M. M. Johnson, M. M. Johnson, Jr., Brookline, and E. E. Rice, as trustees of Johnson Patent Trust of Boston, Mass. Fire-arm. 2,409,568; Oct. 15.
Johnson, Melvin M., Jr., assignor to M. M. Johnson and said M. M. Johnson, Jr., Brookline, and E. E. Rice, as trustees of Johnson Patent Trust of Boston, Mass. Automatic firearm. 2,409,569; Oct. 15.
Johnson, Merriam E., assignor to Distillation Products, Inc., Rochester, N. Y. Condensation pump. 2,395,562; Feb. 26.
Johnson, Nels: *See—*
Bradley, William E., and Johnson.
Johnson, Nels J., Wallingford, Iowa. Electric fence. 2,396,512; Mar. 12.
Johnson, Orvel M., Little Rock, Ark. Retractable fountain pen. 2,413,234; Dec. 24.
Johnson, Otto B., Chicago, Ill. Wringer. 2,405,832; Aug. 13.
Johnson Patent Trust of Boston, Mass., assignee: *See—*
Johnson, Melvin M., Jr.
Johnson, Paul P.: *See—*
Thoren, Theodore, and Johnson.
Johnson, Paul P., Willoughby, Ohio, assignor to Thompson Products, Inc. Cold working hollow headed articles. 2,392,162; Jan. 1.
Johnson, Paul P., Willoughby, assignor to Thompson Products Inc., Cleveland, Ohio. Sheathed valve. 2,403,926; July 16.
Johnson, Paul R.: *See—*
Perkins, Melville A. and Johnson.
Johnson, Paul S., Wakefield, and J. W. Dodds, Lynnfield, Mass., assignors to General Electric Company. Instrument balance weight. 2,410,288; Oct. 29.
Johnson, Philip H., assignor to Roadless Traction Limited, Hounslow, England. Tracklaying vehicle. 2,410,739; Nov. 5.
Johnson, Ralph P., and W. R. Grams, Schenectady, N. Y., assignors to General Electric Company. Cathode-ray device. 2,407,082; Sept. 3.
Johnson, Ralph S., West Los Angeles, Calif., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Propeller and anti-cure therefor. 2,393,472; Jan. 22.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Projection apparatus for the creation of illusory effects. 2,412,840; Dec. 10.
Johnson, Robert, Lafayette, Colo., assignor of one-fourth to R. M. Johnson, Cheyenne, Wyo. Coal mining machine. 2,399,438; Apr. 30.
Johnson, Robert M., assignee: *See—*
Johnson, Robert.
Johnson, Ross H., Indianapolis, Ind. Making insoles. 2,404,731; July 23.
Johnson, Roy W.: *See—*
Elleman, Tom, and Johnson.
Johnson, Samuel, Sr., assignor of one-half to S. H. Bowman, Clermont, Fla. Fruit picker. 2,393,107; Jan. 15.
Johnson Steel & Wire Company, Inc., assignee: *See—*
Johnson, Charles D.
Johnson, Theodore L., St. Louis, Mo. Multiple extrusion. 2,408,398; Oct. 1.
Johnson, Theodore V., assignor to Deere & Company, Moline, Ill. Marker. 2,395,553; Feb. 26.
Johnson, Victor S., assignee: *See—*
White, Sidney Y.
Johnson, Virgil A.: *See—*
Kops, Earl A., Sanborn, and Johnson.
Johnson, Walter F., Berkeley, Calif., assignor to American Smelting and Refining Company, New York, N. Y. System for sintering. 2,410,944; Nov. 12.
Johnson, William, assignor of one-third to A. J. Brickmer, and one-third to H. W. Kropf, Muskegon Heights, Mich. Internal grinder. 2,408,748; Aug. 13.
Johnson, William, Ville St. Pierre, and J. W. H. Bruneau, assignors to Building Products Limited, Montreal, Quebec, Canada. Machine for rabbeting and coating the shipal edges of siding panels. 2,402,633; June 25.
Johnson, William A.: *See—*
Ware, Lamar M., Harris, and Johnson.
Johnson, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Adjustable mounting for ring gears. 2,399,122; Apr. 23.
Johnson, William D., Chicago, Ill. Metal wagon body. 2,405,358; Aug. 6.
Johnson, Willis E.: *See—*
Whittier, Benjamin L., and Johnson.
Johnson, Alexander, Edinburgh 3, assignor to The North British Rubber Company Limited, Edinburgh, Scotland. Regeneration of waste rubber. 2,404,293; July 16.
Johnson, Alexander, assignor to The North British Rubber Company Limited, Edinburgh, Scotland. Regeneration of waste rubber. 2,406,297; Aug. 20.
Johnson, Brooks E., Chicago, Ill. Structure for loading trailers on flatcars. 2,405,833; Aug. 13.
Johnson Brothers, assignee: *See—*
Hathaway, Albert M.
Johnson, Douglas, Shelbyville, Ill., assignor, by mesne assignments, of thirty per cent to L. R. Tallman, forty-five per cent to G. L. Tallman, twelve and one-half per cent to J. L. Tallman, and twelve and one-half per cent to E. S. Tallman. 2,400,555; May 21.
Johnson, Edward C., assignor to Robert A. Johnston Company, Milwaukee, Wis. Sterilizing liquids. 2,401,077; May 28.
Johnson, Franklin, St. Albans, and L. W. Newton, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, Reactions ketene and hydrocyanic acid. 2,395,930; Mar. 5.
Johnson, Frederick L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized polyvinyl fluoride. 2,406,837; Sept. 3.
Johnson, Frederick L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of modified methyl methacrylate compositions. 2,408,428; Oct. 1.
Johnson, Greenhow, assignor of one-half to G. Maury, Jr., Richmond, Va. Machine gun mount. 2,407,884; Sept. 17.
Johnson, James H., Ridgefield Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile electric regulator. 2,412,811; Dec. 17.
Johnson, Joseph W., Moneta, Calif. Self-locking burr. 2,398,377; Apr. 16.
Johnson, Lawrence M., Indianapolis, Ind., assignor to himself, as trustee. Single point release for parachute harness. 2,404,908; July 30.
Johnson, Mordica O., Glendale, Calif. Gun perforator for well casing. 2,407,081; Sept. 3.
Johnson, Robert A., Company, assignee: *See—*
Johnson, Edward C.
Russell, New J.
Johnson, Sterling, Bethlehem, Pa., assignor to Bethlehem Steel Company. Suspension bridge saddle. 2,402,408; June 18.
Johnson, William, Jr., Wilkesburg, Pa. Cinder pot. 2,406,380; Aug. 27.
Johnson, William A., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing apparatus. 2,412,270; Dec. 10.
Johnstone, Robert M., Bondsville, Pa. Unwinding machine. 2,412,509; Dec. 10.
Johnstone, Theodore C., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,411,433; Nov. 19.
Jolly, Carl H., U. S. Navy. Arresting hook. 2,404,381; July 23.
Jolly, Carl H., U. S. Navy. Rocket launching device. 2,409,210; Oct. 15.
Jones, Albert S., Dudley, Mass., assignor to Cranston Print Works Company, Cranston, R. I. Textile printing apparatus. 2,410,415; Nov. 5.
Jones, Benjamin W., Chicago, Ill., assignor to Interstate Bakeries Corporation, Kansas City, Mo. Banded bread loaf package. 2,408,317; Sept. 24.
Jones, Barton, Los Angeles, Calif. Differential pressure responsive device. 2,400,048; May 7.
Jones, Benjamin G., Associated, and L. H. Sharp, Martinez, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Acid treating a viscous hydrocarbon oil. 2,400,298; May 14.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Fluid-cooled device. 2,399,036; Apr. 23.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Thermal time sequencing control system. 2,409,492; Oct. 15.
Jones, Benjamin W., and O. R. Schurig, Schenectady, N. Y., assignors to General Electric Company. Circuit interrupting device. 2,399,037; Apr. 23.
Jones, Burr W.: *See—*
Merritt, George E., and Jones.
Jones, Burr W., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter drive. 2,407,158; Sept. 3.
Jones, Cecil H., Mankato, Minn. Generator and motor. 2,399,352; Apr. 30.
Jones, Charles F.: *See—*
Hamilton, Julian P., and Jones.
Jones, Clifton M., New York, N. Y. Artificial landscape. 2,413,633; Dec. 31.
Jones, David B., Mount Olive, N. C. Time-delay switch. 2,398,183; Apr. 9.
Jones, David G., and M. Phillipson, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Manufacture of halogenated hydrocarbons. 2,407,701; Sept. 17.
Jones, Don F., J. W. Miller, and B. D. Figg, assignors to Motor Wheel Corporation, Lansing, Mich. Furnace. 2,400,150; May 14.
Jones, E. H., (Machine Tools), Limited: *See—*
Jeffreys, Sidney T.
Jones, Earl T., Ventura, Calif. Trowel. 2,395,186; Feb. 19.

- Jones, Edward G., Detroit, and O. Kamm, Grosse Pointe Farms, assignors to Parke, Davis & Company, Detroit, Mich. Tannic acid combinations of posterior pituitary extracts. 2,399,742; May 7.
- Jones, Edward L., Greenville, S. C. Game board. 2,409,493; Oct. 15.
- Jones, Edwin M., and F. W. Stein, Atchison, Kans. Spring assembly and method. 2,413,142; Dec. 24.
- Jones, Elmer L., Seattle, Wash. Flush and mortise lock bolt for glass doors. 2,402,753; June 25.
- Jones, Francis S. B.: See—
- Jones, James R., and Jones.
- Jones, Frank C., Upper Montclair, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Buoyant electrode. 2,396,268; Mar. 12.
- Jones, Frank D.: See—
- Hill, George B., and Jones.
- Jones, Franklin D., Llanerch, assignor to American Chemical Paint Company, Ambler, Pa. Compositions of matter. 2,394,915; Feb. 12.
- Jones, Franklin D., Llanerch, assignor to American Chemical Paint Company, Ambler, Pa. Methods and compositions for killing weeds. 2,394,916; Feb. 12.
- Jones, Franklin D., Llanerch, assignor to American Chemical Paint Company, Ambler, Pa. Methods and compositions for killing weeds. 2,412,510; Dec. 10.
- Jones, Franklin D., Upper Darby, assignor to American Chemical Paint Company, Ambler, Pa. Methods and compositions for killing weeds. 2,396,513; Mar. 12.
- Jones, George H., Lorain, Ohio, assignor to National Tube Company. Lifting apparatus. 2,400,299; May 14.
- Jones, Gordon H., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Machine tool. 2,395,485; Feb. 26.
- Jones, Grinnell, and W. Juda, Cambridge, Mass., assignors to Albi Chemical Corporation, New York, N. Y. Solid complex metal amine salts and the preparation thereof. 2,406,692; Aug. 27.
- Jones, Grinnell, and W. Juda, Cambridge, Mass., assignors to Albi Chemical Corporation, New York, N. Y. Preparation of metal amine salts. 2,412,890; Dec. 17.
- Jones, Harold T., Vallejo, Calif. Clamping implement. 2,403,180; July 2.
- Jones & Henry Tool Company, assignee: See—
- Jones, Jay S.
- Jones, Herbert, Pen-y-Ffordd, near Chester, England. Furnace and like building construction. 2,400,827; May 21.
- Jones, Howard A.: See—
- Jones, William R. and H. A.
- Jones, Howard A., and B. V. Travis, Orlando, Fla.: dedicated to the free use of the people in the territory of the United States. Insect repellent compositions. 2,396,012; Mar. 5.
- Jones, Howard A., and B. V. Travis, Orlando, Fla.: dedicated to the free use of the people in the territory of the United States. Insect repellent compositions. 2,396,013; Mar. 5.
- Jones, Howard A., and B. V. Travis, Orlando, Fla., assignors to United States of America, as represented by the Secretary of Agriculture, and his successors in office. Insect repellent compositions. 2,400,006; May 7.
- Jones, Ira M., assignee: See—
- Brooks, Lewis C.
- Schwartz, Carl K.
- Jones, James A., Fayetteville, Ark. Self-locking wedge. 2,407,427; Sept. 10.
- Jones, Jay S., assignor to C. M. Henry and E. D. Realer, jointly doing business as Jones & Henry Tool Company, Los Angeles, Calif. Punch press clutch. 2,396,047; Mar. 5.
- Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of motor fuel. 2,396,853; Mar. 19.
- Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of diesel fuels. 2,396,854; Mar. 19.
- Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,399,353; Apr. 30.
- Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of diolefins. 2,401,872; June 11.
- Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of low-boiling saturated hydrocarbons. 2,403,181; July 2.
- Jones, John E., Spondon, near Derby, assignor to British Celanese Limited, London, England. Production of cellulose derivatives. 2,401,304; June 4.
- Jones, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of lactates. 2,410,740; Nov. 5.
- Jones & Lamson Machine Company, assignee: See—
- Davis, Lee M.
- Jones & Laughlin Steel Corporation, assignee: See—
- Brunner, Earl.
- Jones, Leo D.: See—
- Sender, Leopold, and Jones.
- Jones, Leo D., assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separation. 2,407,834; Sept. 17.
- Jones, Leo D., Philadelphia, and J. J. Serrell, Wynnewood, assignors to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,401,079; May 28.
- Jones, Linton L., Greenville, S. C. Yarn guiding device. 2,401,249; May 28.
- Jones, Lloyd B., Hollidaysburg, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Cushioning draft gears and the like. 2,404,637; July 23.
- Jones, Lloyd B., Hollidaysburg, Pa. Cushioning steam-actuated valves. 2,408,980; Oct. 8.
- Jones, Lloyd E., assignor to Graham Transmissions, Inc., Milwaukee, Wis. Variable-speed transmission. 2,405,377; Aug. 20.
- Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Can making machine. 2,409,631; Oct. 22.
- Jones, Madywn E., Ferguson, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,395,554; Feb. 26.
- Jones, Madywn E., Ferguson, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,399,637; May 7.
- Jones, Maurice F.: See—
- Jones, Ruel C. and M. F.
- Jones, Maurice F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrically propelled car construction. 2,412,511; Dec. 10.
- Jones, Maurice F., Pittsburgh, and H. F. Hanson, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tensioning device. 2,404,963; July 30.
- Jones, Maurice F., Pittsburgh, and R. C. Jones, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric control device. 2,412,513; Dec. 10.
- Jones, Maurice F., Wilkesburg, and L. A. Kilgore, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Feeder system for linear motors. 2,412,512; Dec. 10.
- Jones, Meredith, Seattle, Wash. Gyroscopic navigational device. 2,393,473; Jan. 22.
- Jones, Meredith, Seattle, Wash. Course tracing device. 2,393,474; Jan. 22.
- Jones, Minor C. K., Mountsides, and F. W. Schumacher, Westfield, N. J., assignors to Standard Oil Development Company. Production of aromatics. 2,400,355; May 14.
- Jones, Norman B., assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio. Beveling machine. 2,401,486; June 4.
- Jones, Paul C.: See—
- Mathes, Roger A., and Jones.
- Jones, Paul C., near Chagrin Falls, and R. A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Addition products of heterocyclic zinc mercaptides with alkylene imines. 2,408,685; Oct. 22.
- Jones, Peter: See—
- Quayle, Joshua C., and Jones.
- Walton, George H., Quayle, and Jones.
- Jones, Ruben G., assignor to Eli Lilly and Company, Indianapolis, Ind. Amines and purification thereof. 2,400,934; May 28.
- Jones, Robert L. II.: See—
- Taylor, William H., and Jones.
- Jones, Robert V., Woodridge, A. C. Foster, Westfield, and E. R. Kilsby, Elizabeth, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Vapor generator. 2,395,873; Mar. 5.
- Jones, Ruel C.: See—
- Jones, Maurice F. and R. C.
- Whittaker, Charles C., and Jones.
- Jones, Ruel C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric catapult and power plant. 2,404,964; July 30.
- Jones, Ruel C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric catapult control. 2,412,514; Dec. 10.
- Jones, Ruel C., Pittsburgh, and M. F. Jones, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Prime mover for electric catapults. 2,406,381; Aug. 27.
- Jones, Ruel C., Pittsburgh, and M. F. Jones, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control for electric catapults. 2,412,515; Dec. 10.
- Jones, Rupert S., Grimsarh, near Preston, assignor to Courtalds Limited, London, England. Apparatus for production of artificial threads by the wet spinning process. 2,402,409; June 18.
- Jones, Russell R., assignor of one-half to E. E. Keith, Orlando, Fla. Order check device. 2,399,033; Apr. 23.
- Jones, Samuel R., Los Angeles, Calif. Surgical headrest. 2,398,940; Apr. 23.
- Jones, Thomas H., Chicago, Ill. Hair straightening device. 2,400,696; May 21.
- Jones, Thomas R., Chicago, Ill. Floating toolholder. 2,399,897; Mar. 5.
- Jones, Thomas R., Chicago, Ill. Automatic aligning and locking toolholder. 2,399,898; May 7.
- Jones, Thomas R., Woodbridge, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Treating antimony drosses. 2,401,001; May 28.

- Jones, Walter W., El Paso, Tex. Hairpin stand. 2,409,867; Oct. 22.
- Jones, Weldon P., Rydal, assignor to Philco Corporation, Philadelphia, Pa. Refrigerator motor-compressor mounting. 2,407,014; Sept. 3.
- Jones, Weldon P., Rydal, assignor to Philco Corporation, Philadelphia, Pa. Refrigeration apparatus. 2,407,159; Sept. 3.
- Jones, Wilbur L., New York, and E. De Lia, Brooklyn, assignors to Interchemical Corporation, New York, N. Y. Printing inks. 2,393,637; Jan. 29.
- Jones, William R., Metuchen, N. J., assignor to The Celotex Corporation, Chicago, Ill. Building element. 2,393,379; Jan. 22.
- Jones, William R., Cleveland, Ohio. Adjusting broilers and like food supports. 2,395,486; Feb. 26.
- Jones, William R., Cleveland, Ohio. Master safety valve with oven valve lock attachment. 2,413,237; Dec. 24.
- Jones, William R., Oakland, Calif., assignor to United States of America as represented by the Secretary of Agriculture. Anthelmintic. 2,399,597; Apr. 30.
- Jones, William T., Newton, assignor to Barnes & Jones, Incorporated, Jamaica Plain, Mass. Steam heating system. 2,411,731; Nov. 26.
- Jongedyk, Ralph, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,394,700; Feb. 12.
- Jongeneel, Albert M., assignee, et al.: See—Gordon, George C., and Blackwelder.
- Jonsson, Nils W., assignee: See—Lindgren, Karl O.
- Jordan, Charles E., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Fuel burner. 2,395,273; Feb. 26.
- Jordan, Joseph A., Jr., Camp Sibert, Ala. Tire shield. 2,397,741; Apr. 2.
- Jordan, Richard H., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Quick-action mechanism. 2,399,123; Apr. 2.
- Jordan, Richard H., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Switching apparatus. 2,406,693; Aug. 27.
- Jordan, Sidney W., Cleveland, Ohio. Vise. 2,398,941; Apr. 23.
- Jordan, Warren D., Waukegan, and H. W. Lindgren, Pistakee Bay, McHenry, Ill., assignors to American Can Company, New York, N. Y. Closing machine. 2,393,988; Feb. 6.
- Jordan, William B., Scotia, N. Y., assignor to General Electric Company, Integrator. 2,404,294; July 16.
- Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,395,874; Mar. 5.
- Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine and method. 2,403,003; July 2.
- Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,406,465; Aug. 27.
- Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping uppers over lasts. 2,408,022; Sept. 24.
- Jorgensen, Clarence H., and E. M. Claytor, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. System of control for supercharged engines. 2,405,309; Aug. 6.
- Jorgensen, Valdemar, Cordova, Nebr. Power-driven conveyor. 2,397,420; Mar. 26.
- Jorgenson, Gerald A.: See—Cohen, Morris, and Jorgenson.
- Cohen, Morris, Jorgenson, and Hastly.
- Jorgenson, John P., Wilmette, and A. G. Kling, assignors to Kling Bros. Engineering Works, Chicago, Ill. Tumbler. 2,393,880; Jan. 22.
- Jorgenson, John P., Wilmette, and A. G. Kling, assignors to Kling Bros. Engineering Works, Chicago, Ill. Washing machine. 2,397,268; Mar. 26.
- Joseph, Harrison O., Los Angeles, Calif. Coat hanger. 2,407,015; Sept. 3.
- Joseph, Anatol M., Pacific Palisades, Calif. Safety screw-driver. 2,406,952; Sept. 3.
- Josephs, Abraham I., New York, N. Y. Interchangeable hat construction. 2,408,318; Sept. 24.
- Josopslan & Sharp Manufacturing Co., assignee: See—Sharp, Ewing L.
- Josh, George, Crown Point, Ind., assignor to Armour and Company, Chicago, Ill. Packaging surgical string material. 2,405,216; Aug. 6.
- Josserand, Louis P., Houston, Tex. Theater. Re. 22,756; May 14.
- Jowett, John A., Scottsville, N. Y. Sounding device. 2,407,702; Sept. 17.
- Joy, Homer van B., Montclair, N. J., assignor to Montclair Research Corporation. Barium bromate impression material. 2,397,143; Mar. 26.
- Joy, Homer van B., Montclair, N. J., and E. J. Molnar, Toledo, Ohio. Impression materials. 2,397,145; Mar. 26.
- Joy, Joseph F., Claremont, N. H. Equilibrator. 2,392,387; Jan. 8.
- Joy, Joseph F., Claremont, N. H. Automotive vehicle. 2,393,324; Jan. 22.
- Joy, Joseph F., Claremont, N. H. Variable displacement pump. 2,400,119; May 14.
- Joy Manufacturing Company, assignee: See—Curtis, John C., and Gitting, Galloway, William S., and Anderson.
- Lambertson, Ralph E.
- Maxson, Louis A.
- Osgood, Charles F.
- Paget, Win W.
- Russell, John D., Ball, and Knoizen.
- Simmons, Leon E.
- Simmons, Leon E., and Vanderzee.
- Wineman, Wade H.
- Joy, Robert F., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rope sling. 2,410,116; Nov. 5.
- Joyce-Cridland Company, The, assignee: See—Simonton, William L.
- Joyce, Inc., assignee: See—Joyce, William H., Jr.
- Joyce, Robert M., Jr.: See—Dietrich, Melvin A., and Joyce.
- Harmon, Jesse, and Joyce.
- Joyce, Robert M., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrical apparatus. 2,392,388; Jan. 8.
- Joyce, Robert M., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining decolorized polytetrafluoroethylene. 2,392,339; Jan. 8.
- Joyce, Robert M., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing tetrafluoroethylene. 2,394,243; Feb. 5.
- Joyce, Robert M., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrolysis of halogen containing compounds. 2,398,430; Apr. 16.
- Joyce, Robert M., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyhalogenated olefins. 2,410,541; Nov. 5.
- Joyce, William H., Jr., assignor to Joyce, Inc., Pasadena, Calif. Drier. 2,411,792; Nov. 26.
- Joyce, William J., assignor to American Optical Company, Southbridge, Mass. Eye protection means and method of making the same. 2,406,008; Aug. 27.
- Joyce, William J., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Eye protective means. 2,409,286; Oct. 15.
- Jucksch, Harry H., Berkeley, Calif., assignor to Wheeler, Reynolds and Stauffer. Rodent gun. 2,413,143; Dec. 24.
- Juda, Walter: See—Jones, Grinnell, and Juda.
- Judd, Charles H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Closure device. 2,402,556; June 25.
- Judd, Charles H., and C. Giammatteo, assignors to Tinnerman Products, Inc. Cleveland, Ohio. Fastening device. 2,407,608; Sept. 10.
- Judd, Charles H., and C. Giammatteo, assignors to Tinnerman Products, Inc. Cleveland, Ohio. Fastening device. 2,407,609; Sept. 10.
- Jude, Walter E., assignor to Solar Aircraft Company, San Diego, Calif. Clip forming and assembly tool. 2,394,187; Feb. 5.
- Judels, Charles: See—Smith, Donald L. J., and Judels.
- Judeleson, Oscar I., New York, N. Y. Machine for cutting and winding materials. 2,394,859; Feb. 12.
- Judge, Franklin, Greenfield, Mass. Die holder. 2,401,305; June 4.
- Judge, Thomas J., Rochester, N. Y., assignor to General Railway Signal Company, Hoboken, N. J. Fountain pen. 2,393,250; Jan. 22.
- Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,403,085; July 2.
- Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,410,504; Nov. 5.
- Juel, Leslie H.: See—Franz, Arnel O., and Juel.
- Juelas, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Fountain pen. 2,393,250; Jan. 22.
- Juelas, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Fountain pen. 2,393,251; Jan. 22.
- Juelas, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Fountain pen. 2,396,919; Mar. 19.
- Julian, Percy L.: See—Levinson, Arthur A., Malter, and Julian.
- Julian, Percy L., Maywood, and H. T. Iverson, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Treatment of vegetable oils. 2,392,390; Jan. 8.
- Julian, Percy L., Maywood, and J. W. Cole, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Unsaturated ketones of the cyclopentano phenanthrene series. 2,394,551; Feb. 12.
- Julian, Percy L., Maywood, and E. W. Meyer, Evanston, Ill., assignors, by mesne assignments, to American Leclithin Company, Cleveland, Ohio. Phosphatide composition and preparing. 2,400,120; May 14.

- Julien, Arlie P., and J. K. Farrell, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Recovery of chlorine from magnesium chloride electrolysis. 2,393,891; Apr. 23.
- Julian, Fred G.: *See*—Schweidkart, William M., and Julian.
- Jung, Peter A.: *See*—Williams, Harvey A., and Jung.
- Junkin, Hays M., et al., executors: *See*—Hibbard, Robert L.
- Junkin, John C., San Diego, Calif. Spring assembly for vehicle wheels. 2,401,568; June 4.
- Junkunc, Alexander, Jr., assignee, et al.: *See*—Junkunc, Bela B.
- Junkunc, Alexander, Sr., assignee, et al.: *See*—Junkunc, Bela B.
- Junkunc, Bela B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, a partnership doing business as J & J Tool & Machine Co., Chicago, Ill. Venetian blind rod and tape fastener. 2,391,904; Jan. 1.
- Junkunc, Joseph G., assignee, et al.: *See*—Junkunc, Bela B.
- Jupin, John and S., Newark, N. J. Key case. 2,411,995; Dec. 3.
- Jupin, Sophie: *See*—Jupin, John and S.
- Juran, Nathan B., U. S. Navy, Hermosa Beach, Calif. Sketching device. 2,410,447; Nov. 5.
- Just, Ralph R., Salem, Oreg. Support for sheep shearing apparatus. 2,410,217; Oct. 29.
- Justesen, Aage C.: *See*—Mason, Reginald D., and Justesen.
- Jutte, Martha, administratrix: *See*—Jutte, Walter J.
- Jutte, Walter J., Port Recovery, Ohio; M. Jutte, administratrix of said W. J. Jutte, deceased. Hay baler. 2,402,230; June 18.
- Juul, Soren N.: *See*—Vigmostad, Trygve, and Juul.
- Juvinal, James W., La Grange Park, and G. Stuhlfauth, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Glassworking apparatus. 2,405,504; Aug. 6.
- K—C—M—Company, assignee: *See*—Griesheimer, Rudolph N.
- K-D Lamp Company, The, assignee: *See*—Trautner, Wagn.
- Kaa, August S., Los Angeles, Calif. Earring. 2,398,833; Apr. 23.
- Kadau, Harry A., assignee: *See*—Ingersoll, Nelson, Jr.
- Kaddeland, Christen R., Shelton, Conn., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Printing press control mechanism. 2,392,391; Jan. 8.
- Kaddeland, Christen R., Shelton, Conn., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Sheet gripper. 2,392,392; Jan. 8.
- Kadenacy, Michel, Summit, N. J. Internal-combustion engine. 2,408,399; Oct. 1.
- Kaegi, Hans: *See*—Hartmann, Max, Miescher, Kaegi, and Bosshard.
- Kaesler, Charles E., Syracuse, Kans. Grain elevator. 2,395,410; Feb. 26.
- Kaeser, Stefan, Brooklyn, N. Y. Eyeshield for glasses. 2,403,223; July 2.
- Kagan, Ralph: *See*—Gardner, Percy, and Kagan.
- Kahil, Abraham A., Ridgefield, N. J. Fabric. 2,401,828; June 11.
- Kahil, Abraham A., Ridgefield, N. J. Fabric. 2,401,829; June 11.
- Kahil, Abraham A., Ridgefield, N. J. Fabric and making same. 2,401,830; June 11.
- Kahl, Charles N., assignor of one-half to L. A. Sullivan, Jacksonville, Ill. Engine. 2,398,378; Apr. 16.
- Kahl, Charles N., assignor of one-half to L. A. Sullivan, Jacksonville, Ill. Engine. 2,399,743; May 7.
- Kahl, Charles N., assignor of one-half to L. A. Sullivan, Jacksonville, Ill. Piston assembly. 2,409,868; Oct. 22.
- Kahl, Joseph, New York, N. Y. Marine sampling bottle. 2,391,978; July 1.
- Kahl, William J., New York, N. Y. Rotary scraper. 2,411,544; Nov. 26.
- Kahn, Albert, assignee: *See*—Roe, James.
- Kahn, Alfred, Ellis, N. Y., assignor to Radio Corporation of America. System for frequency conversion and comparison of frequencies. 2,401,647; June 4.
- Kahn, Benjamin, Gadsden, Ala. Pile, fringe, or the like. 2,398,645; Apr. 16.
- Kahn, David A., Columbus, Ohio. Self-locking bolt. 2,407,160; Sept. 3.
- Kahn, Frank, Philadelphia, Pa. Relative humidity meter. 2,411,041; Nov. 12.
- Kahn, George, Lawrence, N. Y. Crisscross curtain. 2,410,662; Nov. 5.
- Kahn, Milton, Mount Vernon, assignor to The Cofax Corporation, Long Island City, N. Y. Dry-adhesive tape roll dispenser. 2,400,881; May 28.
- Kahn, Walter, Middelburg, Transvaal, Union of South Africa. Holder for labels, tags, and the like. 2,412,403; Dec. 10.
- Kahr, Gustaf, Stockholm, Sweden. Manufacturing composite boards. 2,399,124; Apr. 23.
- Kahr, Gustaf, Stockholm, Sweden. Manufacturing composite board structure. 2,401,848; June 4.
- Kaighin, Hall Y., assignee: *See*—Zimmermann, Robert.
- Kain, Simon: *See*—Kie, Eugene M., and Kain.
- Kais, Achille, Detroit, Mich. Jack construction. 2,396,103; Mar. 5.
- Kaiser, Carag, Inc., assignee: *See*—Borgess, Otto J.
- De Ganahl, Carl, Griswold, Owen H.
- Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. 3-ureido-1,2,4-triazoles and their preparation. 2,399,598; Apr. 30.
- Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. 5-ureido-1,2,4-oxadiazoles and their preparation. 2,399,599; Apr. 30.
- Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of 1,2,4-oxadiazoles. 2,403,723; July 9.
- Kaiser, Donald W., Riverside, and E. L. Sperry, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. 2-thio-4,6-diamino-1,3,5-thiadiazine and salts thereof. 2,397,421; Mar. 26.
- Kaiser, Donald W., and J. T. Thurston, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Acylguanureals and their preparation. 2,397,667; Apr. 2.
- Kaiser, Donald W., and J. T. Thurston, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Aryl dicyandiamides and salts thereof. 2,407,161; Sept. 3.
- Kaiser, Edward: *See*—Eksberg, Carolus L., Gasenssle, and Kaiser.
- Kaiser Fleetings, Inc., assignee: *See*—Wood, Robert W.
- Kaiser, Karl, El Centro, Calif., assignor to California Central Fibre Corporation. Decoratizing apparatus. 2,399,809; May 7.
- Kaiser, Karl, El Centro, Calif., assignor to California Central Fibre Corporation. Decoratizing apparatus. 2,402,634; June 25.
- Kaiser, Karl B., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Cutter. 2,413,452; Dec. 31.
- Kaiser, Otto, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Metallizable triazine azo compounds. 2,396,659; Mar. 19.
- Kaiser, Wilhelm: *See*—Heinrich, Winfried, and Kaiser.
- Kaisler, Peter O., Milwaukee, Wis. Toy. 2,395,277; Feb. 19.
- Kajita, Toshiji, and R. Inoue, Tokyo, Japan; vested in the Alien Property Custodian. Manufacturing artificial fiber from protein contained in soy-bean. 2,394,308; Feb. 5.
- Kajita, Toshiji, and R. Inoue, Tokyo, Japan; vested in the Alien Property Custodian. Manufacturing artificial fiber from protein contained in soy-bean. 2,394,309; Feb. 5.
- Kalart Company, Inc., The, assignee: *See*—Castedello, William.
- Schwartz, Hyman, and Castedello.
- Kalasin Company of America, assignee: *See*—Ingersoll, Homer H.
- Kalichevsky, Vladimir A.: *See*—Payne, John W., Noll, and Kalichevsky.
- Kalisher, Benjamin, assignor to Wood-Plex Fashions Inc., Poughkeepsie, N. Y. Handbag material. 2,404,846; July 30.
- Kallster, Frank B., Cleveland, J. O. Stafford, Painesville, and F. J. Konyvka, Maple Heights, assignors, by mesne assignments, to Jack & Helmut Precision Industries, Inc., Cleveland, Ohio. Ball loading machine. 2,407,016; Sept. 3.
- Kallitsky, Andrew: *See*—Buck, Richard S., and Kallitsky.
- Constedt, Val, and Kallitsky.
- Kallitsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Cylinder construction. 2,408,427; Oct. 1.
- Kallitsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Scavenge system for engines. 2,410,448; Nov. 5.
- Kallitsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Mounting for coolant tubes. 2,412,341; Dec. 10.
- Kalk, City, Dayton, Ohio. Excavating device for subaqueous material. 2,400,882; May 28.
- Kallas, Danos H., Brooklyn, A. W. Cizek, Jr., East Elmhurst, and H. Nestlen, Woodhaven, N. Y. Wear test machine. 2,412,221; Dec. 10.
- Kalls, Karl T., Saffle, Sweden. Device for removing particle deposits from gas purifying apparatus associated with gas generators. 2,409,211; Oct. 15.
- Kallmann, Heinz E., Boston, Mass. Television receiving system. 2,394,617; Feb. 12.
- Kallmann, Heinz E., Boston, Mass. Trolley with multi-contact head for trackless trolley-fed vehicles. 2,396,049; Mar. 5.

- Kallmeyer, Paul R., Jr., Ridgewood, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Making selenium elements. 2,392,744; Jan. 8.
- Kallusch, Camilo, Pteran, Moravia, tested in the Allen Property Custodian. Photographic roll film camera. 2,395,828; Mar. 5.
- Kallusky, Clarence E., assignee: *See*—Kallusky, Philip M.
- Kallusky, Philip M., Milwaukee, Wis., assignor of one-half to C. E. Kallusky, Wadena, Minn. Apparatus for preventing foaming. 2,412,342; Dec. 10.
- Kalman Floor Company, Inc., assignee: *See*—Davis, Raymond.
- Troxell, George Earl.
- Kalman, Nicholas L. Rutherford, assignor to Ridbo Laboratories, Inc., Paterson, N. J. Treatment of abietyl compounds. 2,395,278; Feb. 19.
- Kalman, Nicholas L., Rutherford, assignor to Ridbo Laboratories, Inc., Paterson, N. J. Preparing rosin hydrocarbons. 2,413,052; Dec. 24.
- Kalmar, Arthur F., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Coating fruit. 2,412,686; Dec. 17.
- Kalmar, Arthur F., and G. E. Stilwell, Riverside, assignors to Food Machinery Corporation, San Jose, Calif. Roll cleaner. 2,403,374; July 2.
- Kalnitz, Joseph, Buñillo, N. Y. Antislipping device. 2,399,638; May 7.
- Kals, William S., Vancouver, British Columbia, Canada, assignor to Graflex, Inc., Rochester, N. Y. Automatic operation of diaphragms and shutters of portrait cameras. 2,397,742; Apr. 2.
- Kalske, John E., Washington, D. C. Convertible and adjustable article carrier. 2,394,782; Feb. 12.
- Kalva Venders, Inc., assignee: *See*—Larimore, Harvey T.
- Kamborian, Jacob S., West Newton, Mass. Shoe. 2,393,989; Feb. 5.
- Kamborian, Jacob S., West Newton, Mass. Attaching shoe heels. 2,393,990; Feb. 5.
- Kamborian, Jacob S., West Newton, Mass. Making shoes. 2,393,991; Feb. 5.
- Kamborian, Jacob S., West Newton, Mass. Lasting machine. 2,394,310; Feb. 5.
- Kamborian, Jacob S., West Newton, Mass. Manufacture of footwear. 2,395,997; Feb. 19.
- Kamen Soap Products Co., assignee: *See*—Blades, James.
- Kamler, Ben R., Chicago, and D. L. Elam, Roselle, Ill., assignors to Alfred Crossley, Pickup. 2,396,703; Mar. 19.
- Kamlet, Jonas, New York, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind. Synthesis of riboflavin and intermediates therefor. 2,406,774; Sept. 3.
- Kamm, Oliver: *See*—Jones, Edward G., and Kamm.
- Kämmel, Ernst H.: *See*—Anschütz, Robert, and Kammel.
- Kammer, George S., High Austby, Middleton, near Ilkley, England. Fuel injection in internal-combustion engines. 2,398,834; Apr. 23.
- Kammer, George S., Bradford, England. Fuel injection in internal-combustion engine. 2,407,610; Sept. 10.
- Kammerer, Harry A., Mount Vernon, N. Y. Combination window sash. 2,395,742; Feb. 26.
- Kandle, Charles W., Chicago, Ill. Earth drill. 2,401,250; May 28.
- Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Directive antenna. 2,402,635; June 25.
- Kang, Harold A.: *See*—Howman, Kenneth K., and Kane.
- Kane, James E. J.: *See*—Schneider, Helmut G., and Kane.
- Kane, John E., Bethel, assignor to The Frank H. Lee Company, Danbury, Conn. Hatmaking apparatus and operating same. 2,396,178; Mar. 5.
- Kanhöfer, Elmer R.: *See*—Day, Roland R., and Kanhöfer.
- Kanhöfer, Elmer R., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,394,694; Feb. 12.
- Kann, Edward, Summit, N. J., now by judicial change of name to Edward Cann. Power press. 2,411,543; Nov. 26.
- Kanne, Henry M., assignee: *See*—Lampe, Charles E., Jr.
- Kannenbergh, Walter P., Lyndhurst, and J. C. McCoy, Rutherford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making dry rectifiers. 2,395,743; Feb. 26.
- Kanter, Jerome J., Palos Park, and W. V. Smith, assignors to Crane Co., Chicago, Ill. Variable velocity impact testing machine. 2,398,746; Apr. 16.
- Kanter, Sam, Chicago, Ill. Pilot training apparatus. 2,396,660; Mar. 19.
- Kantner, Leslie C., Jr., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Self-energizing grip. 2,400,514; May 21.
- Kanuch, John: *See*—Oliver, Delbert S., and Kanuch.
- Kao, Chung-Chin, New York, N. Y. Meteorological recording method and apparatus. 2,408,780; Oct. 8.
- Kao, Chung-Chin, New York, N. Y. Chinese language type-writer and the like. 2,412,777; Dec. 17.
- Kaphan, Ludwig, Brooklyn, N. Y. Ornamental fabric and production. 2,397,743; Apr. 2.
- Kaphan, Ludwig, Brooklyn, N. Y. Decorative fabric and making same. 2,399,744; May 7.
- Kaplan, Jacob J., Boston, Mass. Automatic recording apparatus. 2,409,358; Oct. 15.
- Kaplan, Joseph, Brooklyn, N. Y. Grinding small holed bushings. 2,412,048; Dec. 3.
- Kaplan, David, and G. von Reis, assignors to Detroit Broach Company, Detroit, Mich. Machine tool cutter. 2,392,481; Jan. 8.
- Kaplan, Nathan, Brooklyn, N. Y. Puzzle bank toy. 2,398,011; Apr. 9.
- Kaplan, Samuel, assignee, et al.: *See*—Hamel, William W.
- Kaplan, Saul, Rutherford, N. J., assignor to Onyx Oil & Chemical Company. Amino amide compounds. 2,407,703; Sept. 17.
- Kaplan, Saul, Rutherford, N. J., assignor to Onyx Oil & Chemical Company. Manufacture. 2,410,382; Oct. 29.
- Kaplan, William: *See*—Zerner, Ernst, and Kaplan.
- Kapp, L. H., & Co., assignee: *See*—Grimm, Walter.
- Kappeler, Fritz, Bulach, assignor to Aktiengesellschaft R. & E. Huber, Schweizerische Kabel, Draht- und Gummiwerke, Pfäfers, Switzerland. Rubber sole for sport shoes. 2,394,454; Feb. 5.
- Kapusta, Adam, Milwaukee, Wis. Invalid chair. 2,397,790; Apr. 2.
- Karabinos, Joseph V.: *See*—Patterson, Wilbur L., and Karabinos.
- Karasick, Samuel, Great Barrington, Mass. Magnetic device. 2,404,072; July 16.
- Karasik, Leo, New York, N. Y., assignor of fifty per cent to L. Milner, Chicago, Ill. Adjustable watch bracelet link. 2,412,812; Dec. 17.
- Karassik, Igor J., South Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Pumping unit. 2,393,691; Jan. 29.
- Karavia, Sophie S., New York, N. Y. Combination lock. 2,394,188; Feb. 5.
- Karbach, Arthur, P., Jr., and V. D. Evans, Minneapolis, Minn., said Karbach, Jr., assignor to The McBe Company, Athens, Ohio. Collating apparatus. 2,398,646; Apr. 16.
- Karelius, Albert C., Altadena, Calif. Lathing. 2,408,781; Oct. 8.
- Karöl, Edward, Great Neck, and W. A. Roehm, Rockville Centre, assignors to Royal Lace Paper Works, Brooklyn, N. Y. Composite decorative material. 2,392,594; Jan. 8.
- Karöl, Edward, Great Neck, and W. A. Roehm, Rockville Centre, assignors to Royal Lace Paper Works, Brooklyn, N. Y. Making ornamental articles. 2,404,073; July 16.
- Karl, George E., Liberty, Ind., assignor to General Implement Corporation, Cleveland, Ohio. Hoe wheel plate stamping. 2,406,500; Aug. 27.
- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Universal surgical stitching instrument. 2,393,910; Jan. 29.
- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Auxiliary release for the spool-holders of surgical stitching instruments. 2,393,911; Jan. 29.
- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Surgical stitching instrument. 2,396,179; Mar. 5.
- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Suture protecting means for surgical stitching instruments. 2,396,180; Mar. 5.
- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Holder for surgical stitching instruments and accessories. 2,399,040; Apr. 23.
- Karlson, Karl R.: *See*—Bordon, George C., Jr., and Karlson.
- Karow, Edward O.: *See*—Wakeman, Selman A., and Karow.
- Karpen, S., & Bros., assignee: *See*—Schmidt, Edward.
- Karr, Errol H., Tacoma, Wash., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparation of sodium arsenite. 2,396,465; Mar. 12.
- Karrer, Paul, Zurich, Switzerland, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Thiophan-3-one and manufacture of same. 2,408,518; Oct. 1.
- Karrer, Paul, Zurich, Switzerland, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Derivatives of 3,4-dihydroxy-thiophan and the manufacture of same. 2,410,948; Nov. 12.
- Karrer, Paul, Zurich, and O. Isler, Basel, Switzerland, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. Di-Tocopherols and manufacture of same. 2,411,967; Dec. 3.

- Karrer, Paul, Zurich, and O. Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of synthetic Di-Tocopherols. 2,411,968; Dec. 3.
- Karrer, Paul, Zurich, and O. Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of synthetic Di-Tocopherols. 2,411,969; Dec. 3.
- Karrer, Paul, Zurich, and O. Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 7-S-methyl Tocol and preparation of the same. 2,411,970; Dec. 3.
- Karrer, Walter, Riehen, near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Liquid pharmaceutical preparation. 2,410,949; Nov. 12.
- Kase, H. Charles H., Davenport, Iowa. Gun mount. 2,392,851; Jan. 15.
- Kase, Otto E. See—
Rice, Earl S., and Kase.
- Kaser, Robert A., Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Valve control mechanism. 2,395,969; Mar. 5.
- Kashubeck, Archwood J., Cleveland, H. L. Spence, East Cleveland, and J. L. Eler, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. 2,405,487; Feb. 19.
- Kassel, Louis S., assignor to Universal Oil Products Company, Chicago, Ill. Hydrogen halide recovery. 2,392,047; Jan. 1.
- Kassel, Louis S., assignor to Universal Oil Products Company, Chicago, Ill. Recovery of hydrogen fluoride. 2,392,048; Jan. 1.
- Kassel, Louis S., assignor to Universal Oil Products Company, Chicago, Ill. Effecting catalyzed reactions. 2,403,375; July 2.
- Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion. 2,411,996; Dec. 3.
- Kassouf, Samuel R., Cleveland, Ohio. Fluid pressure operated servo-motor. 2,398,229; Apr. 9.
- Katag, Ernst H., Hamaroneck, assignor to William R. Varner & Co. Inc., New York, N. Y. Production of basic aluminum chloride. 2,392,153; Jan. 1.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline Film Corporation, New York, N. Y. Nonstatic photographic film. 2,403,533; July 9.
- Katcher, Morris, New York, N. Y. Driven member for friction clutches. 2,392,246; Jan. 1.
- Katcher, Morris, New York, N. Y. Muffler. 2,392,247; Jan. 1.
- Katcher, Morris, New York, N. Y. Oil filter. 2,400,200; May 14.
- Katcher, Morris, New York, N. Y. Oil filter. 2,400,201; May 14.
- Katz, Abraham. See—
Temko, Richard S., and Katz.
- Katz, Donald L., Ann Arbor, Mich., assignor to Phillips Petroleum Company. Absorption process. 2,413,503; Dec. 31.
- Katz, Donald L., and A. K. Esterer, Ann Arbor, assignors to Hydraulic Brake Company, Detroit, Mich. Hydraulic pressure fluid. 2,402,754; June 25.
- Katz, Meyer, Canoga Park, Calif. Lock device. 2,406,464; Aug. 27.
- Katz, Morris, deceased, Bronx, N. Y.; S. Katz, administratrix. Paper bag. 2,400,759; May 21.
- Katz, Philip, Riverside, Calif. Cutter for clothing. 2,401,931; June 11.
- Katz, Sophie, administratrix. See—
Katz, Morris.
- Katzberg, Eugene, Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Reversible operating mechanism. 2,403,802; Jan. 9.
- Katzin, Martin, Riverhead, N. Y. assignor to Radio Corporation of America. Electromagnetic horn radiator. 2,398,095; Apr. 9.
- Katzin, Martin, Washington, D. C. assignor to Radio Corporation of America. Two frequency electromagnetic horn radiator. 2,398,080; Apr. 9.
- Katzman, James R., New York, N. Y. Removable body for hand trucks. 2,393,692; Jan. 29.
- Katzman, Morris. See—
Epstein, Albert K., and Katzman.
- Katzman, Morris, Chicago, Ill., assignor to The Emulsoil Corporation. Preparation of chemical compounds. 2,411,423; Nov. 19.
- Kaufeld, Theodore J., Convent, assignor to American Type Foundries, Incorporated, Elizabeth, N. J. Cylinder wash-up device. 2,393,992; Feb. 5.
- Kaufman, Bessie L. See—
Miller, Joshua, and Kaufman.
- Kaufman, Clayton O., Fullerton, Calif. House type dishwasher. 2,405,147; Aug. 6.
- Kaufman, Jesse S., assignor to General Motors Corporation, Detroit, Mich. Automatic electric starter. 2,399,230; Apr. 30.
- Kaufmann, Hans O., Eggertsville, E. S. Shanley, Kenmore, and R. L. McEwen, Williamsville, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Electro treatment. 2,395,905; Jan. 1.
- Kaufman, Charles E., assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Treatment of water for boiler feed. 2,395,331; Feb. 19.
- Kaufman, David S., Port Arthur, Tex., assignor to Texaco Development Corporation, New York, N. Y. Control of paraffin deposition. 2,394,189; Feb. 5.
- Kaufman, Jonas, Hutchinson County, S. Dak. Perpetual calendar. 2,401,162; May 28.
- Kaufman, Joseph M. S. See—
Krasnow, Shelley.
- Kaufman, Leonard J., assignee. See—
Dishmaker, Orville A.
- Kaufman, Dele W., Norborn, Mich., assignor to International Salt Company, Incorporated, Scranton, Pa. Dissolving apparatus. 2,402,636; June 25.
- Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,403,724; July 9.
- Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,402,162; Sept. 3.
- Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,400,981; Oct. 8.
- Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,410,383; Oct. 29.
- Kaufmann, Raymond M., Pittsburgh, Pa. Electric igniter. 2,409,359; Oct. 15.
- Kapke, Lee H., Grange, and L. E. Smith, Congress Party, Ill., assignor to International Harvester Company, Planter. 2,403,376; July 2.
- Kauth, Henry J., Schenectady, N. Y. Making flame-resistant resins. 2,396,575; Mar. 12.
- Kauth, Henry J., Rome, assignor to General Cable Corporation, New York, N. Y. Apparatus for coating wire. 2,394,068; Feb. 5.
- Kautz, Frederick, Philadelphia, Pa. Structural member. 2,409,212; Oct. 15.
- Kautz, Frederick, Norwood, Pa. Framing elements. 2,412,618; Dec. 17.
- Kavanagh, Joseph A., assignor to International Business Machines Corporation, New York, N. Y. Registration indicator system. 2,412,516; Dec. 10.
- Kawneer Company, The, assignee. See—
Miller, James T.
Peterson, Victor E.
- Kay, Arthur J., Los Angeles, Calif. Cotton picker. 2,411,573; Nov. 26.
- Kay-Fries Chemicals, Inc., assignee. See—
Bitler, William P., and Nicholl.
Flisik, Alvin C., Nicholl, and Bitler.
Kesslin, George, and Nicholl.
Nicholl, Leonard, and Bitler.
- Kay Manufacturing Corporation, assignee. See—
Krakauer, Abraham.
- Kay, Paul, assignor to Ocean City Manufacturing Company, Philadelphia, Pa. Rod to reel connection. 2,409,940; Oct. 22.
- Kaydon Engineering Corporation, The, assignee. See—
Fraenkel, Harold.
Morse, Richard K.
Turner, Lee L.
- Kayler, Frank H. See—
Kins, Edmund P., and Kayler.
- Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,393,912; Jan. 29.
- Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler mechanism. 2,396,855; Mar. 19.
- Kaysner, Julius, & Co., assignee. See—
Mack, Sterling C.
- Kaysing, Ernest, assignor to Killark Electric Manufacturing Co., St. Louis, Mo. Threadless pin connector. 2,398,252; Jan. 22.
- Kaywood Corporation, assignee. See—
Sherwood, George L.
- Kazamias, Michael, and F. Gubala, Pawtucket, R. I. Support for filling carriers. 2,395,188; Feb. 19.
- Keahey, Frank S., assignor to Kirsch Company, Sturgis, Mich. Coupling. 2,405,148; Aug. 6.
- Kear, Frank G., assignor to Washington Institute of Technology, Washington, D. C. Radio beacon system. 2,402,410; June 18.
- Kear, Frank G., assignor to Washington Institute of Technology, Inc., Washington, D. C. Radio beacon system. 2,404,501; July 23.
- Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Catalytic dehydrogenation of hydrocarbons. Re. 22,800; Oct. 8.
- Kearby, Kenneth K., Elizabeth, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Dehydrogenation of hydrocarbons. 2,395,875; Mar. 5.
- Kearby, Kenneth K., Elizabeth, N. J., assignor to Standard Oil Development Company. Chemical process. 2,395,876; Mar. 5.
- Kearby, Kenneth K., Elizabeth, N. J., assignor to Standard Oil Development Company. Dehydrogenation of hydrocarbons. 2,407,373; Sept. 10.
- Kearby, Kenneth K., Elizabeth, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Dehydrogenation of hydrocarbons. 2,408,146; Sept. 24.

- Kearney, James R., Corporation, assignee: *See*—Boothe, Eugene F.
- Kearney, Norman L., Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Snubber. 2,407,933; Sept. 17.
- Kearney & Trecker Corp., assignee: *See*—Andrew, William K., and Lenert, Armitage, John B., and Heywood, Armitage, Joseph E., and Barker, Armitage, Joseph E., and Esberkalm.
- Kearns, Earl E., Erie, Pa., assignor to General Electric Company. Vehicle. 2,399,929; May 7.
- Kearns, Henry, Pasadena, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Plastic machine. 2,402,287; June 18.
- Kearny, Cresson H., U. S. Army. Inflatable boat. 2,391,906; Jan. 1.
- Kearny, Cresson H., U. S. Army, Fort Clayton, Canal Zone. Boat. 2,407,666; Sept. 17.
- Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Electric blanket. 2,403,803; July 9.
- Keasler, Gamewell S., Pendleton, S. C. Plow and cultivator gauge. 2,396,467; Mar. 12.
- Keating, George H., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Catalyst production. 2,408,215; Sept. 24.
- Keating, George H., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Catalyst manufacture. 2,409,494; Oct. 15.
- Keating, Herbert J., Pasadena, assignor to Cherry Rivot Company, Los Angeles, Calif. Self-setting tubular rivet. 2,408,559; Oct. 1.
- Keats, John L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium oxide pigment production. 2,406,465; Aug. 27.
- Kebrich, Leonard M.: *See*—Stewart, Alexander, Titrot, and Kebrich.
- Kebrich, Leonard M., Brooklyn, assignor to National Lead Company, New York, N. Y. Preparing normal lead silicate. 2,410,977; Nov. 12.
- Kebrich, Leonard M., and E. P. Peterson, Brooklyn, assignors to National Lead Company, New York, N. Y. Coating compositions. 2,406,609; Aug. 27.
- Keck, Haas F., Akron, Ohio, assignor to Vingfoot Corporation, Wilmington, Del. Tractor and tank track. 2,392,988; Jan. 15.
- Keck, Dan E., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Chain bearing seal. 2,411,214; Nov. 19.
- Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrasive blasting. 2,399,680; May 7.
- Keehn, Warner L., Spokane, Wash. Rivet. 2,398,532; Apr. 16.
- Keehn, Warner L., Spokane, Wash. Plate clamp. 2,408,560; Oct. 1.
- Keehn, Warner L., Spokane, Wash. Dual axle trailer. 2,408,561; Oct. 1.
- Keeler Brass Company, assignee: *See*—Jakeway, Gerald V.
- Keeling, William O., and W. L. Glowacki, Pittsburgh, Pa., assignors to Koppers Company, Inc. Refining light-oil products. 2,400,893; May 28.
- Keema, Alexander W.: *See*—Walley, Herbert H., Jr., and Keema.
- Keema, Alexander W., Providence, R. I., assignor, by mesne assignments, to Bay Products Corporation. Attachment for grinding machines. 2,407,835; Sept. 17.
- Keen, Thomas A., San Mateo, Calif., assignor of one-half to H. M. Smith, Chicago, Ill. Annunciator system. 2,404,074; July 16.
- Keenan, Dennis J., assignee: *See*—Hammond, John V., and Keenan.
- Keene, Kenneth L.: *See*—Taber, John E., Jr., and Keene.
- Keene, Samuel I., assignee: *See*—Seltz, John G.
- Keene, Walter L., Dormont, assignor to Superior Steel Corporation, Pittsburgh, Pa. Bimetallic products and manufacture thereof. 2,395,877; Mar. 5.
- Keene, Walter L., Dormont, assignor to Superior Steel Corporation, Pittsburgh, Pa. Making bimetallic billets. 2,395,878; Mar. 5.
- Keese, Beverly W.: *See*—Buckendale, Lawrence R., and Keese.
- Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Drive mechanism. 2,402,637; June 25.
- Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power take-off unit. 2,410,077; Oct. 29.
- Keessling, Thomas B.: *See*—Hait, James M., and Keessling.
- Krest, Frank, Urbana, Ill. Combination chair and cot. 2,407,786; Sept. 17.
- Keet, Gabriel C. E., Florida, Transvaal, Union of South Africa. Hair curler and the like. 2,395,555; Feb. 26.
- Keet, Gabriel C. E., Florida, Transvaal, Union of South Africa. Devices for marking fabrics. 2,404,038; July 23.
- Keevil, Henry W.: *See*—Barnes, Walter C., and Keevil.
- Kehle, Ottmar A., Van Nuys, Calif., assignor to Adel Precision Products Corp. Valved pump piston assembly. 2,404,502; July 23.
- Kehle, Ottmar A., West Los Angeles, Calif., assignor to Adel Precision Products Corp. Flow control valve. 2,408,562; Oct. 1.
- Kehle, Ottmar A., West Los Angeles, Calif., assignor to Adel Precision Products Corp. Hydraulic selector valve. 2,409,765; Oct. 22.
- Kehoe, Joseph J., Newark, assignor to L. A. Cammack, East Orange, N. J. Permanent separating magnet. 2,405,655; Aug. 13.
- Kehrer, Ernest, Belle Vernon, and C. E. Faust, Monessen, assignors to Pittsburgh Steel Company, Pittsburgh, Pa. Fence machine. 2,405,257; Aug. 6.
- Kehse, Wolfgang, Berlin-Karlshorst, Germany; vested in The Alien Property Custodian. Electric current regulator with pressure loaded carbon-pile column. 2,403,554; July 9.
- Kell, Havard L.: *See*—Lloyd, Katherine, and Kell.
- Kelm, Simeon, Galt, and S. Bippus, Acampo, Calif. Scraper. 2,411,688; Nov. 26.
- Keinath, George, Larchmont, N. Y. Line-for-line recorder. 2,393,639; Sept. 24.
- Keinath, George, Larchmont, N. Y. X-Y-recorder. 2,400,828; May 21.
- Keinath, George, Larchmont, N. Y., and R. K. Hellmann; said Hellmann assignor to Connecticut Telephone & Electric Division, Great American Industries Incorporated, Meriden, Conn. Recording indications. 2,393,638; Jan. 29.
- Keinath, George, Larchmont, N. Y., and R. K. Hellmann; said Hellmann assignor to Connecticut Telephone & Electric Division, Great American Industries Incorporated, Meriden, Conn. Recorder. 2,401,356; June 4.
- Keiser, Bernhard: *See*—De Groote, Melvin, and Keiser.
- De Groote, Melvin, Keiser, and Wirtel.
- Keiser, David H., Jr., West Lawn, Pa. Shears. 2,407,237; Sept. 10.
- Keiser, Earl L., assignee, et al.: *See*—Sacher, William S.
- Kelster, James E., Scotia, N. Y., assignor to General Electric Company. Energy dissipator. 2,399,930; May 7.
- Keith, Claude D., Lake Mahopac, N. Y., and J. F. O'Brien, Englewood, and S. Madsen, Bergendals, N. J., assignors and Court Order to I. M. Keith, administratrix of said C. D. Keith, deceased. Bottle transferring and carrying apparatus. 2,398,747; Apr. 16.
- Keith, Earl E., assignee: *See*—Jones, Russell K.
- Keith, Irene M., administratrix, and assignee: *See*—Keith, Claude D., and O'Brien, and Madsen.
- Keith, James H., Cleveland, Ohio. Metallic tie for track rails. 2,398,942; Apr. 23.
- Keith-Peabody, Inc., assignee: *See*—Keith, William J.
- Keith, William J., assignor to Keith-Peabody, Inc., Brookline, Mass. Closure. 2,403,287; July 2.
- Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Adjustment and testing of crystal rectifiers. 2,408,885; Oct. 8.
- Keibel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. One-way coupling device. 2,393,693; Jan. 29.
- Keibel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Hydrodynamic coupling combined with gearing. 2,402,164; June 18.
- Keibel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,406,225; Aug. 20.
- Keico Company, assignee: *See*—Clark, Donald F., Steiner, and Gilsen.
- Kelderhouse, Austin H., Collins, Iowa. Feed mixer. 2,400,202; May 14.
- Kelhofer, Florence, Brooklyn, N. Y. Mechanotherapeutic combination. 2,407,285; Sept. 10.
- Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Television transmitter. 2,402,053; June 11.
- Kelkas, Elizabeth M., assignor of one-third to D. W. Wilson, Winnipeg, Manitoba, Canada. Wool clip. 2,411,657; Nov. 26.
- Kelle, Arthur C., Stoughton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Plastic composition. 2,413,103; Dec. 24.
- Kelhofer, Daniel, Strongsville, assignor to The American Coach & Body Company, Cleveland, Ohio. Apparatus for working metal. 2,392,925; Jan. 15.
- Kelleigh, Waldo J., Wayland, assignor to General Control Company, Cambridge, Mass. Electric switch. 2,411,576; Nov. 26.
- Keller, Auguste V., Long Island City, N. Y., assignor, by mesne assignments, to H. Thompson, Minneapolis, Minn. Plastic composition and making. 2,404,910; July 30.
- Keller, Cornelius H., San Francisco, Calif., assignor to The Dow Chemical Company, Midland, Mich. Flotation of sulphide ores. 2,405,581; Aug. 13.
- Keller, Emil C., Detroit, and R. E. Spokes, Ann Arbor, Mich., assignors to American Brake Shoe Company. Friction element. 2,394,783; Feb. 12.

- Keller, Ernst, assignor to J. R. Geigy A. G., Basel, Switzerland. Metallizable silbene triazole azo compounds. 2,394,998; Feb. 19.
- Keller, Frederick A., East Paterson, assignor to Bright Star Battery Company, Clifton, N. J. Battery. 2,411,272; Nov. 19.
- Keller, George, Jr., Keyport, assignor to The Tructor Corporation, Newark, N. J. Slipper spring block. 2,394,695; Feb. 12.
- Keller, Hans, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Rectifier with control electrodes. 2,398,647; Apr. 16.
- Keller, Henry G., Hinsdale, Pa., assignor to Link-Belt Company. Producing toothed disks. 2,397,356; Mar. 26.
- Keller, Herman L., Decherd, Tenn. Potato sacker. 2,407,017; Sept. 3.
- Keller, Jakob, Zurich, Switzerland. Device for manufacturing thin-walled containers open at one end. 2,412,813; Dec. 17.
- Keller, Philip B., Santa Monica, and D. Jelinek, Los Angeles, assignors to North American Aviation, Inc., Inglewood, Calif. Riveting. 2,395,667; Feb. 26.
- Keller, Philip B., Santa Monica, and D. Jelinek, assignors to North American Aviation, Inc., Los Angeles, Calif. Securing device. 2,396,661; Mar. 19.
- Keller, Philip B., Santa Monica, and D. Jelinek, Los Angeles, Calif., assignors to North American Aviation, Inc. Securing device. 2,397,076; Mar. 19.
- Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Device for measuring mechanical acceleration by electrical means. 2,401,163; May 28.
- Keller, Russell J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Frictional mechanism. 2,394,311; Feb. 5.
- Keller, Theodore W., Council Bluffs, Iowa. Piezoelectric crystal holder. 2,394,999; Feb. 19.
- Keller Tool Company, assignee: See—
Shaff, Ernest H.
- Keller, Wade T. See—
Tharrington, Thayer B., Keller, and Farrington.
- Keller, William C., and L. F. Fuday, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Bracket for supporting oxygen bottles or the like. 2,406,834; Aug. 27.
- Keller, William J., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cutting apparatus. 2,398,230; Apr. 9.
- Keller, William M., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Side frame for railway car trucks and the like. 2,393,046; Jan. 15.
- Kellert Aircraft Corporation, assignee: See—
Prewitt, Richard H.
- Kellet, John, III. See—
Horton, Aaron W., and Kellett.
- Kellet, John, III, M. M. Marisic, and A. A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Isomerization. 2,399,354; Apr. 30.
- Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,411,732; Nov. 26.
- Kelley, Cecil S., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,411,748; Nov. 26.
- Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,413,356; Dec. 31.
- Kelley, Charles P., Chicago, Ill. Table. 2,409,495; Oct. 15.
- Kelley, Daniel E., assignor to Gaw-O'Hara Envelope Company, Chicago, Ill. Scoring roll. 2,403,377; July 2.
- Kelley, Ed. J., assignee: See—
Seifert, Frederick E.
- Kelley, Edward G. See—
Wall, Monroe E., and Kelley.
- Kelley, Joseph J., Tucson, Ark. Fountain pen. 2,405,958; Aug. 20.
- Kelley, Joseph J., St. Louis, Mo. Fountain pen. 2,409,869; Oct. 22.
- Kelley, Theron R., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Exhaust gas deflector for internal-combustion engines. 2,409,496; Oct. 15.
- Kellgren, Waldo. See—
Lundquist, William E., and Kellgren.
- Kellgren, Waldo, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Unified fibrous fabric. 2,410,078; Oct. 29.
- Kellgren, Waldo, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive. 2,410,079; Oct. 29.
- Kellgren, Waldo, and W. D. Hurd, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liner for adherent rubber surfaces and the like. 2,395,668; Feb. 26.
- Kellogg, Henry B., Union City, and H. C. Reynolds, Jr., Roselle Park, N. J., assignors to Standard Oil Development Company. Preserving paint in storage. 2,396,050; Mar. 5.
- Kellogg, Henry B., Union City, and W. J. Sparks, Elizabeth, N. J., assignors to Standard Oil Development Company. Emulsion polymerization process. 2,397,146; Mar. 26.
- Kellogg, Donald S., Great Neck, assignor, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Electric drive. 2,395,000; Feb. 19.
- Kellogg, Donald S., Jackson Heights, assignor, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Radio control system for moving vehicles. 2,397,477; Apr. 2.
- Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Electrical servo system. 2,410,289; Oct. 29.
- Kellogg, John L., assignor to John L. Kellogg & Co., Chicago, Ill. Making coffee extracts. 2,408,260; Sept. 24.
- Kellogg, John L. & Co., assignee: See—
Kellogg, John L.
- Kellogg, M. W., Company, The, assignee: See—
Belchetz, Arnold.
- Creelman, George D., and Crowther.
- Crowther, John F.
- Gunness, Robert C., and Jewell.
- Hopkins, Robert K.
- Laying, Edwin T., and Goldwasser.
- Passinio, Herbert J.
- Perkins, Myrie M., and Sellmeyer.
- Solomon, Ernest, and Rubin.
- Taylor, Hugh S., and Turkevich.
- Van Orden, Leo J.
- Kellogg, Spencer, 2nd. See—
Bradford, Frederick D., and Kellogg.
- Kellogg, Spencer, and Sons, Inc., assignee: See—
Schwareman, Alexander.
- Kellogg Switchboard and Supply Company, assignee: See—
Bellamy, John I.
- Bosh, James E.
- Brodie, George H.
- Saunders, Norman H.
- Kellogg, William M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating system. 2,406,382; Aug. 27.
- Kellogg, William M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated. High frequency apparatus. 2,410,080; Oct. 29.
- Kelly, Edward. See—
Miller, Glen W., Kells, and Larsen.
- Kellum, Paul S. See—
Williams, Harvey, and Kellum.
- Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Closure construction. 2,394,784; Feb. 12.
- Kelly, Daniel A., Milwaukee, Wis. Hand luggage attachments. 2,392,926; Jan. 15.
- Kelly, Daniel P., assignee: See—
Stubbins, William.
- Kelly Foundry and Machine Company, assignee: See—
Kelly, John P., and W. J.
- Stewart, Frederick W., Reek, and Kelly.
- Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Meter relay. 2,395,669; Feb. 26.
- Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Resistor bulb. 2,398,122; Apr. 23.
- Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Thermopile for fire alarm systems. 2,410,218; Oct. 29.
- Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Meter. 2,411,997; Dec. 3.
- Kelly, Gerald W., assignor to Saginaw Products Corporation, Saginaw, Mich. Lunette. 2,396,576; Mar. 12.
- Kelly, Herbert W., Chicago, Ill., assignor to Anthracite Metal Corporation. Charging device. 2,394,552; Feb. 12.
- Kelly, John P. and W. J., assignors to Kelly Foundry and Machine Company, Elkins, W. Va. Making molds. 2,411,998; Dec. 3.
- Kelly, John W. See—
LeDwina, Joseph, and Kelly.
- Kelly, John W., La Canada, Calif., assignor to Adel Precision Products Corp. Composite valve member. 2,397,269; Mar. 26.
- Kelly, John W., La Canada, Calif., assignor to Adel Precision Products Corp. Hydraulic remote-control system. 2,397,270; Mar. 26.
- Kelly, John W., La Canada, Calif., assignor to Adel Precision Products Corp. Hydraulic system. 2,410,978; Nov. 12.
- Kelly, Matthew J. See—
Stewart, Frederick W., Reek, and Kelly.
- Kelly, Owen D., Joy, III. Post driving attachment for post hole diggers. 2,399,190; Apr. 30.
- Kelly, Richard, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Power supply system for carrier communication systems. 2,395,670; Feb. 26.
- Kelly, Theodore H. See—
Kinsev, Hartselle D., Kelly and Ferrara.
- Kelly, Thomas C., Hinsdale, Ill. Bottle wadding machine and method. 2,412,089; Dec. 3.

- Kelly, William D., Western Springs, Ill. Stop nut or the like. 2,399,639; May 7.
- Kelly, William G., Inglewood, Calif. Toy pistol. 2,395,001; Feb. 19.
- Kelly, William J.: *See*—
Kelly, John F. and W. J.
- Kelsall, Frederick A., Boulder, Colo. Envelope opening device. 2,406,610; Aug. 27.
- Kelsey-Hayes Wheel Company, assignee: *See*—
Forbes, Joseph A.
Sinclair, Charles W.
- Kelsey, Walter, Tarrytown, assignor to Lord & Burnham Company, Irvington-on-Hudson, N. Y. Ship ladder. 2,401,251; May 28.
- Kelso, Charles D., Crete, Ill., and C. E. Adams, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Synthetic fusible amine resins and obtaining the same. 2,411,142; Nov. 19.
- Kemler, Emory M.: *See*—
Smith, Marvin M., Fields, and Kemler.
- Kemlite Laboratories, assignee: *See*—
Floyd, Oscar H.
- Kemmer, George H., Arlington, Va. Comb. 2,395,002; Feb. 19.
- Kemmerlin, Henry C., Tryon, N. C. Tubing expanding tool. 2,411,733; Nov. 26.
- Kemmerling, George T., St. Paul, Minn. Piston rod packing retainer rings. 2,413,504; Dec. 31.
- Kemner, Theodore B., Quincy, Ill. Scaffold clamp and coupling. 2,399,681; May 7.
- Kemp, C. M., Manufacturing Company, The, assignee: *See*—
Kemp, William W.
- Kemp, William W., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Radiant flame compression burner. 2,410,542; Nov. 5.
- Kemper, Harry C.: *See*—
Groene, William F. and Kemper.
- Kempthorn, David C., Akron, Ohio. Hollow rubber article and apparatus for producing same. 2,405,149; Aug. 6.
- Kenaga, Eugene: *See*—
Fletcher, Fred W., and Kenaga.
- Kendall Company, The, assignee: *See*—
Hall, Marvin J.
Ryan, John F.
Savage, Lawrence A.
Whitman, Ross C.
- Kendall, Harold G., assignee: *See*—
Fritzinger, George H.
- Kendall, James V.: *See*—
Potter, Charles E., and Kendall.
- Kendall, John D., assignor to Ilford Limited, Ilford, England. Cyanine dyestuffs and dyestuff intermediates. 2,397,013; Mar. 19.
- Kendall, John D., assignor to Ilford Limited, Ilford, England. Cyanine dyestuffs. 2,397,014; Mar. 19.
- Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Sensitizing dyestuffs and dyestuff intermediates. 2,394,067; Feb. 5.
- Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Dyestuffs and dyestuff intermediates. 2,394,068; Feb. 5.
- Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Dyestuff intermediates. 2,394,069; Feb. 5.
- Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Cyanine dyestuffs. 2,395,879; Mar. 5.
- Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Silver halide photographic emulsions. 2,397,015; Mar. 19.
- Kendall, John D., D. J. Fry, and J. D. Brooks, Ilford, assignors to Ilford Limited, Essex, England. Improvers for photographic emulsions. 2,403,927; July 16.
- Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Beta-alkyl-thio acrolein mercaptals. 2,412,814; Dec. 17.
- Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Dicarboxyanine dyes. 2,412,815; Dec. 17.
- Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Polymethine dyestuffs. 2,412,816; Dec. 17.
- Kende, George, Dobbs Ferry, assignor to Universal Camera Corporation, New York, N. Y. Binocular. 2,392,154; Jan. 1.
- Kendig, Albert C., assignee: *See*—
Jacobson, Leo.
- Kendrick, James B., Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Indicator for radio controlled airplanes. 2,401,873; June 11.
- Kendrick, John F., Elizabeth, N. J. Airplane landing gear. 2,398,145; Apr. 9.
- Kenerson, Stanley M., assignor to The Standard Electric Time Company, Springfield, Mass. Electric signal device. 2,406,545; Aug. 27.
- Kenison, Eldon R.: *See*—
Allen, Howard G., and Kenison.
- Kenna, Frank, assignee: *See*—
Hammond, Grant.
- Kennametal Inc., assignee: *See*—
McKenna, Philip M.
- Kennedy, Angus B., Chambersburg, Pa. Leaching apparatus. 2,403,105; July 30.
- Kennedy, Charles A., assignee: *See*—
Breen, Thomas H.
- Kennedy, Douglas J., Shawinigan Falls, Quebec, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Crotonic acid manufacture. 2,413,335; Dec. 24.
- Kennedy, Harry E.: *See*—
Fowle, John M., and Kennedy.
- Kennedy, Berkeley E., Berkeley, Calif., assignor to The Linde Air Products Company. Welding transformer. 2,411,921; Dec. 3.
- Kennedy, Harvey T., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Geochemical prospecting method. 2,406,611; Aug. 27.
- Kennedy, Harvey T., Oakmont, Pa., and P. L. Gassett, Flora, Ill., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Treatment of oil and gas wells. 2,411,793; Nov. 26.
- Kennedy, John A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spindle adjusting device. 2,405,889; Aug. 13.
- Kennedy, Luke F., Schenectady, N. Y., assignor to General Electric Company. Protection of electric systems. 2,398,648; Apr. 9.
- Kennedy, Margaret H.: *See*—
Stokes, William E., and Kennedy.
- Kennedy, Raymond A., Sioux City, Iowa. Electric fence. 2,400,829; May 21.
- Kennedy, Verna C., Evanston, Ill., assignor to A. F. Dornmeyer Mfg. Company. Power unit. 2,406,150; Aug. 20.
- Kennedy, Walter W.: *See*—
Abrams, Victor R., and Kennedy.
- Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air distribution outlet. 2,392,393; Jan. 8.
- Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air distribution outlet. 2,407,284; Sept. 10.
- Kennedy, Woodford A., and B. A. Southerland, Charlotte, N. C.; said Southerland assignor to said Kennedy. Device for indicating the unauthorized operation of registers. 2,411,273; Nov. 19.
- Kennelly, Jeremiah D., Oak Park, Ill. Signal device. 2,409,046; Oct. 8.
- Kenney, Basil E., Jr., Port St. Joe, Fla. Apparatus for removing bark from slabs. 2,397,490; Apr. 2.
- Kenney, Clarence E.: *See*—
Allen, Robert C., Kenney, and Wilson.
- Kenney, Leo G., Chicago, Ill. Stencil printing machine. 2,398,379; Apr. 16.
- Kenney Manufacturing Company, assignee: *See*—
Cavanagh, John F.
- Kensington Steel Company, assignee: *See*—
Anderson, Edmund C.
- Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Frequency changing apparatus and method. 2,395,744; Feb. 26.
- Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Phase modulation method and apparatus. 2,398,097; Apr. 9.
- Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Apparatus for analyzing rotational unbalances. 2,405,430; Aug. 6.
- Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Interval control mechanism. 2,409,941; Oct. 22.
- Kent, Floyd A., and C. W. Patrick, Midland, Mich. Purifying and deodorizing crude oil. 2,400,515; May 21.
- Kent, Frederick W., Chicago, Ill. Pneumatic hydraulic vise. 2,402,411; June 18.
- Kent, Henry, New York, N. Y. Flint alloy. 2,408,400; Oct. 2.
- Kent, Milton F.: *See*—
Savage, Marion A., and Kent.
- Kent, Robert S., Brooklyn, N. Y. Char revivification apparatus. 2,400,935; May 28.
- Kentro, Dan M.: *See*—
Allen, Charles F., and Kentro.
- Kentucky Color and Chemical Company, assignee: *See*—
Todd, James D.
- Kenworthy Motor Truck Corporation, assignee: *See*—
Brown, Wallace M.
Holmstrom, John G., and Brown.
- Kenworthy, Max S., assignor to C. L. Harsh, Portland, Ore. Electrode holder. 2,403,086; July 2.
- Kenyon, Bertrand F., assignor to Mechano Gear Shift Company, Grand Rapids, Mich. Torque-controlled liquid torque drive. 2,400,121; May 14.
- Kenyon, David E., Smithtown, N. Y., assignor to Sperry Gyroscope Company, Inc. Electric circuit. 2,410,081; Oct. 29.
- Kenyon, David E., Smithtown, N. Y., assignor to Sperry Gyroscope Company, Inc. High frequency electron discharge apparatus. 2,410,822; Nov. 12.
- Kenyon Instrument Co., Inc., assignee: *See*—
Newell, Arthur T.
- Kenyon, William O.: *See*—
Vaugh, George P., and Kenyon.

- Kenyon, William O., and W. F. Fowler, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Resinous condensation products. 2,397,548; Apr. 2.
- Kenyon, William O., T. P. Murray, Jr., and L. M. Minsk, assignors to Eastman Kodak Company, Rochester, N. Y. Deesterification of copolymers of acrylic esters and vinyl esters. 2,403,004; July 2.
- Kenyon, William O., and D. D. Reynolds, assignors to Eastman Kodak Company, Rochester, N. Y. Synthetic nitrobenzenes resins and intermediates therefor. 2,403,126; Oct. 8.
- Keown, Roy L.: *See—*
- Burgen, Alfred, and Keown.
- Kepler, Francis M., Upper Darby, Pa. Forming bent tubing. 2,406,838; Sept. 3.
- Kerbaw, Haford G., Bllesfield, Mich., assignor to A. G. Kerby, Cleveland, Ohio. Sock drier. 2,400,203; May 14.
- Kerber, Frederic: *See—*
- De Lauretis, Peter F., and Kerber.
- Kerby, Alexander G., assignee: *See—*
- Kerbaw, Haford G.
- Kerby, Floyd G.: *See—*
- Kramer, Clarence F., and Kerby.
- Kerker, Arthur J., Berkeley, Calif. Making tanks. 2,412,271; Dec. 10.
- Kercher, Arthur J., Berkeley, Calif. Heating unit and control. 2,412,737; Dec. 17.
- Kesestey, John C., Westfield, and J. R. Stevens, assignors to Merck & Co., Inc., Rahway, N. J. Acyl derivatives of vitamin B₆. 2,412,272; Dec. 10.
- Kerezi, Joseph, Detroit, and L. C. Maysilles, Wayne, Mich. Aircraft landing wheel. 2,412,406; Dec. 10.
- Kerfoot, Henry M., Fairfield, Buxton, England. Machine for forming tablets or other articles from powdered material by compression. 2,398,146; Apr. 9.
- Kerlan, Louis, Grafton, N. Dak. Roller gauge sorting machine. 2,411,274; Nov. 19.
- Kerker, Henry F.: *See—*
- Lavett, Charles O., and Kerker.
- Kerlo Corporation, assignee: *See—*
- Flocker, Anthony M.
- Kern, Emil, Long Island City, N. Y., assignor to Acco Products, Inc. Performing device. 2,405,150; Aug. 6.
- Kern, Jean G., Orchard Park, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Anthraquinone acid dyestuff. 2,407,704; Sept. 17.
- Kern, Lawrence, Philadelphia, Pa. Square finish photoengraved halftone printing plate and making same. 2,405,749; Aug. 13.
- Kern, Walter: *See—*
- Holbro, Theodore, Kern, and Sutter.
- Kernahan, Ray, Portland, Oreg. Packsack. 2,407,787; Sept. 17.
- Kernas, Richard H., Richmond, Ind. Bottle carrier. 2,399,549; Apr. 30.
- Kerr, Charles, Jr.: *See—*
- Brecht, Winston A., and Kerr.
- Kerr, Charles E., Hoopeland, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Multiple liquid measuring and mixing can filler. 2,393,382; Jan. 22.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Carbon-molybdenum steel product and making same. 2,396,704; Mar. 19.
- Kerr, James G., Washington, D. C. Snap-out manifolding unit. 2,394,553; Feb. 12.
- Kerr, James G., and P. M. Scott, Washington, D. C. assignors to Moore Business Forms, Inc. Manifolding assembly with erasure stub. 2,400,356; May 14.
- Kerr, Theodore W., Jr., Seymour, Conn., assignor to United States Rubber Company, New York, N. Y. Insecticide. 2,402,896; June 25.
- Kerr, Wallace E., Youngstown, Ohio. Metal drawing apparatus. 2,399,745; May 7.
- Kerr, Wallace E., Youngstown, Ohio. Drawing machine. 2,404,234; July 16.
- Kerr, Wallace E., Youngstown, Ohio. Stock feeding apparatus for drawing machines. 2,412,049; Dec. 3.
- Kershaw, Henry, Belleville, N. J. Diamond cutting machine. 2,391,979; Jan. 1.
- Kershaw, Henry, Belleville, N. J. Apparatus for exposing and developing films. 2,395,970; Mar. 5.
- Kerst, Donald W., Champalzin, Ill., assignor to General Electric Company. Magnetic induction accelerator. 2,394,070; Feb. 5.
- Kessels, Fred, Great Kills, Staten Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metallic coating composition and structure produced therefrom. 2,397,744; Apr. 2.
- Kerwer, Fred, Little Neck, assignor to Douglas Leigh, Inc., New York, N. Y. Razor. 2,396,181; Mar. 19.
- Kerwin, John M., and S. H. Norton, assignors to Thompson Products, Inc., Cleveland, Ohio. Cold worked hollow stem valve. 2,411,734; Nov. 26.
- Kessler, William C., and V. A. Ryan, assignors to Crown Clark & Seal Company, Inc., Baltimore, Md. Container closure. 2,412,453; Dec. 31.
- Kessel, Johannes B., assignor to G. B. Von Kessel, Chicago, Ill. Juice extractor. 2,409,497; Oct. 15.
- Kessenich, Gregory J.: *See—*
- Thibodeau, Wilfred E., and Kessenich.
- Kesses, Charles, New York, N. Y. Automatic focusing enlarger and contact printer. 2,397,668; Apr. 2.
- Kessler, Althea D.: *See—*
- Goland, Philip P., and Drew.
- Kessler, Frank, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. Re. 22,811; Dec. 3.
- Kessler, Louis, assignor to C. J. Muntwyler, Oak Park, Ill. Pump jack. 2,412,222; Dec. 10.
- Kessler, Wilbur, Newtown Square, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spreader stoker apparatus. 2,404,847; July 30.
- Kessler, Wilbur, Newtown Square, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spreader stoker apparatus. 2,404,848; July 30.
- Kessell, George, New York, and L. Nichol, N. Y., assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Di-P-isobutyl sebacate. 2,403,804; July 9.
- Kestelman Bros. Mfg. Co., assignee: *See—*
- Valcourt, Louis E.
- Kester, George B., Tingley, Iowa. Snow plow. 2,410,543; Nov. 5.
- Kester, Lynn C., Hereford, Tex. Toy fisherman. 2,406,466; Aug. 27.
- Kesterton, Henry M., Wroxall, near Warwick, England. Controlling variable-speed power transmission mechanisms. 2,405,699; Aug. 13.
- Kestner, Fred O.: *See—*
- McFall, William W., and Kestner.
- Keston, Albert S., New York, N. Y. Geiger-Müller counter. 2,409,498; Oct. 15.
- Ketay, Morris F., and M. Sherman, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Indicating mechanism. 2,409,435; Oct. 15.
- Ketcher, Elmer C., Spencer, Iowa. Combination radiator guard and tow unit for motor vehicles. 2,399,810; May 7.
- Ketchum, Roy: *See—*
- Sherman, Vernon W., and Ketchum.
- Ketcheby, Frederick G., and G. Mason, Birmingham, England. Electrode holder for use in electric welding. 2,407,836; Sept. 17.
- Kethcart, Frank C., assignor to Sears, Roebuck and Co., Chicago, Ill. Pinking shears. 2,395,897; Mar. 5.
- Kettiewall, Eric, Kingsbury, London, England, assignor to General Electric Company. Seal for electric lamps and similar devices. 2,409,361; Oct. 15.
- Kettering, Charles F., assignor to General Motors Corporation, Detroit, Mich. Temperature sensitive means. 2,399,640; May 7.
- Kettering, Charles F., assignor to General Motors Corporation, Detroit, Mich. Automatic control. 2,407,555; Sept. 10.
- Kettiewall, Eric, Kingsbury, London, England, assignor to General Electric Company. Seal structure for electric lamps and similar devices. 2,409,360; Oct. 15.
- Keuffel & Esser Company, assignee: *See—*
- Baker, Allister L.
- Kow, Frank R., Bloomfield, and J. J. Bannon, Jr., North Arlington, assignors to Tung-Sol Lamp Works, Inc., Newark, N. J. Manufacture of miniature thermionic devices. 2,400,122; May 14.
- Keyser, Jacob E.: *See—*
- Goode, Russell P.
- Keyser, Harold C., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,410,032; Oct. 20.
- Keyser, Harold C., assignor to American Steel Foundries, Chicago, Ill. Spring assembly. 2,410,290; Oct. 29.
- Keystone Manufacturing Co., The, assignee: *See—*
- Wenk, Edward A.
- Khanli, Seyid, assignor to The Western Union Telegraph Company, New York, N. Y. Facsimile system and apparatus. 2,396,705; Mar. 19.
- Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Preparing α,β -diaryl ethanes. 2,392,595; Jan. 8.
- Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Synthetic oestrogens. 2,392,852; Jan. 15.
- Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Producing substituted malon dichlorides. 2,397,669; Apr. 2.
- Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Synthetic oestrogens. 2,402,054; June 11.
- Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Unsaturated organic compounds. 2,404,235; July 16.
- Kharasch, Morris S., and C. F. Fuchs, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind. Preparation of amino acids from their salts. 2,404,503; July 23.
- Kharasch, Morris S., and C. F. Fuchs, Chicago, Ill., assignor to Eli Lilly & Company, Indianapolis, Ind. Unsaturated amines and making same. 2,409,287; Oct. 15.
- Kiang, Piao, Washington, D. C. Fuse construction. 2,412,135; July 16.
- Klar, Mogens: *See—*
- Collins, Henry M., and Klar.
- Kibler, Alfred L., St. Albans, W. Va. Tube bending machine. 2,396,182; Mar. 5.
- Kibler, Charles: *See—*
- Weissberger, Arnold, Kibler, and Vittum.
- Weissberger, Arnold, Kibler, and Young.

- Kibler, Paul J., Fort Wayne, Ind., assignor to Washington Institute of Technology, Inc., Washington, D. C. Automatic phase synchronizing system for synchronous motors. 2,402,055; June 11.
- Kibler, Paul J., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Turnstile antenna. 2,412,090; Dec. 3.
- Kickland, Clara L., Aberdeen, Wash. Suspenders for artificial legs. 2,408,073; Sept. 24.
- Kidde Manufacturing Co., Inc., assignee: *See*—
Freygang, Walter E.; *See*—
Kidner, Henry G.; *See*—
Roche, Alteman H., and Kldner.
- Kidwell, Ival B., Los Angeles, Calif. Vending machine. 2,413,454; Dec. 31.
- Kiefer, Walter J., Belvidere, Ill. Seat support. 2,413,455; Dec. 31.
- Kieffer, Jean, Norwich, Conn. Apparatus and method for sectional radiography. 2,400,510; May 21.
- Kieffer, Raymond J., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Welding machine. 2,406,694; Aug. 27.
- Kieft, Abram T., Grand Haven, Mich. Dish supporting bracket. 2,392,091; Jan. 1.
- Kiehl, Ralph J., San Diego, Calif. World globe and scale. 2,408,651; Oct. 1.
- Kiel, Julius H., et al., assignees: *See*—
Owen, Ira J.
- Kiel, Karl B. W., Glashutte, Germany; vested in the Allen Property Custodian. Adding machine. 2,397,745; Apr. 2.
- Kiel, Robert B., et al., assignees: *See*—
Owen, Ira J.
- Kielhorn, Harry F.; *See*—
Bax, Alfred R., Kielhorn, and Forney.
- Kienle, Roy H., and C. A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Quinolony sulphonamides in color compositions. 2,394,918; Feb. 12.
- Kienle, Roy H., and C. A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Arylamine salts of anthraquinonesulphonic acids as printing aids. 2,405,151; Aug. 6.
- Kienle, Roy H., and C. A. Amick, Bound Brook, N. Y., assignors to American Cyanamid Company, New York, N. Y. Quinolonylamine-N-alkylenesulfonic acids as printing aids. 2,409,127; Oct. 8.
- Kientz, Louis R. J., Paris; vested in the Allen Property Custodian. Making varnishes. 2,408,782; Oct. 8.
- Kiernan, Adele, Racine, Wis. Hair curling device. 2,405,431; Aug. 6.
- Kiesling, Le Roy H., Brooklyn, N. Y. Elevator system. 2,411,832; Dec. 31.
- Kiest, Henry A., deceased, Knox, Ind., assignor to P. F. Kiest, Knox, Ind. Reel mount. 2,400,007; May 7.
- Kiest, Pearl F., assignee: *See*—
Kiest, Henry A.
- Kilborn-Sauer Company, The, assignee: *See*—
Sauer, Henry J.
- Kilbride, Herbert F., Longmeadow, Mass. Grinding machine. 2,401,874; June 11.
- Kilbury, Paul D., Hawthorne, Calif., assignor of one-half to J. W. Billingsley, Newburgh, Iowa. Dehydrator with removable trays. 2,412,407; Dec. 10.
- Kilduff, John W., Amesbury, and R. G. Maurette, Beverly, assignors to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 2,413,505; Dec. 31.
- Kilchenmann, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Packing for cylindrical parts. 2,405,152; Aug. 6.
- Kile, Eugene M., Akron, Ohio, and S. Kain, assignors to John E. Fast & Co., Chicago, Ill. Strip roll sealing machine. 2,395,123; Feb. 19.
- Kile, Waymon R., Cartersville, Ga. Skip stitch tufting machine. 2,411,883; Dec. 3.
- Kilgore Development Corporation, assignee: *See*—
Kilgore, Lowell B., and Weber.
- Kilgore, George R.; *See*—
Shulman, Carl, and Kilgore.
- Kilgore, George R., Verona, N. J., assignor to Radio Corporation of America. Electron beam tube. 2,392,155; Jan. 1.
- Kilgore, George R., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,401,740; June 11.
- Kilgore, George R., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,407,705; Sept. 17.
- Kilgore, George R., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,407,707; Sept. 17.
- Kilgore, George R., Verona, N. J., assignor to Radio Corporation of America. Beam deflection electron discharge device. 2,408,216; Sept. 24.
- Kilgore, George R., Verona, N. J., assignor to Radio Corporation of America. Beam deflection electron discharge device. 2,409,499; Oct. 15.
- Kilgore, George R., Princeton, W. R. Ferris, Kingston, and C. Shulman, Princeton, N. J., assignors to Radio Corporation of America. Electron discharge device. 2,407,183; Sept. 3.
- Kilgore, George R., Verona, and L. Malter, Newark, N. J., assignors to Radio Corporation of America. Electron discharge device. 2,407,708; Sept. 17.
- Kilgore, Lee A.; *See*—
Jones, Maurice F., and Kilgore.
- Kilgore, Lee A., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Damping for electrical machines. 2,409,213; Oct. 15.
- Kilgore, Lee A., Forest Hills, and P. C. Smith, Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid impeller drive. 2,397,183; Mar. 26.
- Kilgore, Lee A., Wilkensburg, and H. E. Criner, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oscillation generating system. 2,404,965; July 30.
- Kilgore, Lowell B., and K. H. Weber, assignors to Kilgore Development Corporation, Washington, D. C. N-(A-ethylated-acetyl) carbamic acid esters. 2,401,080; May 28.
- Kilgore Manufacturing Company, assignee: *See*—
Watkins, Henry B.
- Kilheffer, Lawrence D.; *See*—
Desch, Joseph R., and Kilheffer.
- Kilian, Rudolph R., Baldwinville, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Starting valve for reciprocating motors. 2,394,074; Feb. 5.
- Killark Electric Manufacturing Co., assignee: *See*—
Kysing, Ernest.
- Killian, Ezekiel, assignor, by direct and mesne assignments, of one-fourth to E. L. Kotzen, one-fourth to S. K. Kotzen, one-fourth to M. E. Kotzen, and one-fourth to Howard C. Mohr Hosiery Co. Inc., Reading, Pa. Fan feed means. 2,406,775; Sept. 3.
- Killoran, Thomas C., Antioch, Ill. Refrigerating apparatus. 2,401,426; June 4.
- Killorin, Francis O'L., Watertown, and D. L. Spender, assignors to Scovill Manufacturing Company, Waterbury, Conn. Atomizer. 2,398,533; Apr. 16.
- Kilpatrick, Edward L.; *See*—
Houghton, Joseph Y., and Kilpatrick.
- Kilpela, Aho E., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,403,378; July 2.
- Kilsby, Edward R.; *See*—
Jones, Robert V., Foster, and Kilsby.
- Kimball, A., Company, assignee: *See*—
Weimont, Joseph.
- Kimball, Albert W., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator and power plant therefor. 2,394,075; Feb. 5.
- Kimball, Albert W., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,411,377; Nov. 19.
- Kimball, Arthur L., Schenectady, N. Y., assignor to General Electric Company. Washing machine. 2,406,226; Aug. 20.
- Kimball, Donald E., 2nd; *See*—
Patience, William M., and Kimball.
- Kimball, James L., Danvers, assignor to Ruggles-Klingenberg Mfg. Co., Salem, Mass. Regulator. 2,404,849; July 30.
- Kimball, Leo B., New Haven, Conn. Internal-combustion turbine. 2,407,164; Sept. 3.
- Kimball, Richard H.; *See*—
Beaeblossom, Joy E., and Kimball.
- Kimball, Thomas B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Separating toluene. 2,410,166; Oct. 29.
- Kimball, Vernon R.; *See*—
Dirkes, Robert F., Melick, and Kimball.
- Kimbell, Arthur W., West Newton, Mass., assignor, by mesne assignments, to Boots Aircraft Nut Corporation, New Canaan, Conn. Nut device and installation therefor. 2,401,427; June 4.
- Kimble Glass Company, assignee: *See*—
Bruckner, Robert B., and Harker.
- Hoyer, Arnold Z.
- Kimmich, Willy C.; *See*—
Crosby, David R., and Kimmich.
- Kincaid, Arnold W., assignee, et al.: *See*—
Robinson, Elvin B.
- Kincaid, Elbert B., Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill. Window glass package. 2,392,927; Jan. 15.
- Kincaid, Lee C., assignor to Metal Products Corporation, Milwaukee, Wis. Marine propeller drive. 2,402,197; June 18.
- Kindermann, Wilfred J., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical terminal. 2,406,383; Aug. 27.
- Kindermann, Wilfred J., Mount Vernon, and W. W. Wering, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for and method of making contoured electrical resistance cards. 2,412,619; Dec. 17.
- Kindervater, Julius, Richmond, Va., assignor to American Locomotive Company, New York, N. Y. Brake for power reverse gear. 2,394,785; Feb. 12.
- Kindig, Arnie L., and J. W. Homer, assignors to T. B. Woods' Sons Company, Chambersburg, Pa. Clutch. 2,402,897; June 25.

- Kindorf, Harry L., San Francisco, Calif. Universal multiple cable clamp. 2,394,518; Feb. 5.
- Kinetic Chemicals, Inc., assignee: *See*—
Benning, Anthony F., Downing, and Plunkett.
Park, Joseph D., and Rhodes.
- King, Arthur M., Phoenix, Ariz. Control means for aircraft. 2,398,710; Apr. 16.
- King, Arthur S., Kansas City, Mo. Mechanical movement. 2,397,147; Mar. 26.
- King, Benjamin F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Center drill chuck. 2,408,652; Oct. 1.
- King, Burrham W., Jr., Shaker Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Enamel composition. 2,396,856; Mar. 19.
- King, Charles S., assignor to Blockson Chemical Co., Joliet, Ill. Water treatment and composition. 2,395,126; Feb. 19.
- King, Donald M., Todd's Green, near Stevenage, assignor to one-half to Geo. W. King Limited, Hitchin, England. Hydraulic conveyor driving mechanism. 2,402,056; June 11.
- King, Edward B., Haslemere, England. Electrical switching device. 2,404,719; July 10.
- King, Edward F., Oak Park, assignor to one-half to R. C. Holders, Chicago, Ill. Vehicle trailer. 2,408,401; Oct. 1.
- King, Ellis G., Pittsburgh, assignor to Armstrong Cork Company, Lancaster, Pa. Container closure. 2,406,227; Aug. 20.
- King, Ellis G., Pittsburgh, assignor to Armstrong Cork Company, Lancaster, Pa. Container closure. 2,406,298; Aug. 20.
- King, Elmer I., Jeannette, Pa. Mechanic's square. 2,404,911; July 30.
- King, Ernest J., New York, N. Y. Hat construction. 2,410,033; Oct. 29.
- King, George D., Chicago, and M. C. Dailey, Elmhurst, Ill., assignors to United States M. Gypsum Company. Retarder. 2,412,156; Dec. 3.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,406,424; Aug. 27.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,406,425; Aug. 27.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,406,426; Aug. 27.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,408,217; Sept. 24.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,411,162; Nov. 19.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,411,378; Nov. 19.
- King, George E., Swissvale, and W. H. Formhals, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,401,164; May 28.
- King, Geo. W., Limited, assignee: *See*—
King, Donald M.
- King, James: *See*—
Hamilton, Clarence R., King, and Baker.
- King, James T., Burbank, Calif. Joint and clamp construction. 2,395,745; Feb. 26.
- King, Jesse J., Dayton, Ohio. Seal for running shafts. 2,407,285; Sept. 10.
- King, John H.: *See*—
Bostwick, Lee G., and King.
- King, John W., Oak Park, and G. Stuhlfauth, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Burr removing apparatus. 2,404,180; July 16.
- King & Lang, Inc., assignee: *See*—
King, Robert J., and Thieleke.
- King, Michael C.: *See*—
Billetter, Arno L., and King.
- King, Milton D., Seattle, Wash. Guard for angle cocks for train lines. 2,411,735; Nov. 26.
- King, Raymond B., Forest Park, and E. L. Huffman, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,412,273; Dec. 10.
- King, Remy C., New York, N. Y. Tackle block. 2,411,689; Nov. 26.
- King, Robert J., New Canaan, assignor to The Photo Technical Corporation, Norwalk, Conn. Combined developer and fixer. 2,397,016; Mar. 19.
- King, Robert J., New Canaan, and G. W. Thieleke, Norwalk, assignors to King & Lang, Inc., South Norwalk, Conn. Plasticizing rubber. 2,411,884; Dec. 3.
- King, Robert W., Short Hills, N. J., assignor to American Telephone and Telegraph Company. Guiding means for self-propelled topdecks. 2,408,632; Oct. 22.
- King-Seely Corporation, assignee: *See*—
Darnell, Rex C.
Ruby, Thomas M.
King, Vernon J., assignor to Rheem Research Products Incorporated, Baltimore, Md. Dyed metals. 2,393,640; Jan. 29.
- King, Victor L.: *See*—
Dean, Russell T., and King.
- King, Victor L., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparing dry amine heterocycles. 2,392,156; Jan. 1.
- King, Wilbert A., Meriden, Conn., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Production of styrene compounds by pyrolysis. 2,395,829; Mar. 5.
- King, Wilbert A., North Haven, J. Kleiner, Wallingford, Conn., and J. R. Clark Nutley, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Production of resin from acid-refining residue. 2,393,913; Jan. 29.
- King, William N., Anoka, assignor to Federal Cartridge Company, Minneapolis, Minn. Finishing containers impregnated with wax. 2,413,144; Dec. 24.
- King, William N., N. A. Romanchuk, and W. H. Ward, Anoka, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Machine for dewatering and lacquering paper shotgun shell cartridges. 2,411,042; Nov. 12.
- Kingman, George F., Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Automatic cut-off roll. 2,396,104; Mar. 5.
- Kingman, Russell B., Orange, N. J. Mute for stringed musical instruments. 2,405,700; Aug. 13.
- Kingsbacher, Alvin: *See*—
Murphy, Walter F., and Kingsbacher.
- Kingsburg Cotton Oil Co., assignee: *See*—
Peterson, Clarence J.
- Kingsbury Machine Tool Corporation, assignee: *See*—
Adams, Charles R., and Clark.
- Kingslake, Rudolf, and W. D. Orser, assignors to Eastman Kodak Company, Rochester, N. Y. Ocular. 2,393,782; Jan. 29.
- Kingsley, Nedra, Mount Vernon, N. Y. Wheeled toy vehicle. 2,401,937; June 11.
- Kingston, Richard J., Ogden, Utah. Tile forming mold. 2,404,966; July 30.
- Kingston, Walter E., Emporium, Pa., assignor to Sylvania Electric Products Inc. Metal-glass seal and sealing alloy. 2,394,919; Feb. 12.
- Kingswood Manufacturing Co. Limited, assignee: *See*—
Hall, James.
- Kinkead, Fullerton S., deceased, late of New York, N. Y., by Rita Smith Kinkead, administratrix, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,403,441; July 9.
- Kinkead, Fullerton S., deceased, New York, by R. S. Kinkead, Trudau, N. Y., administratrix, L. E. Melhuish, Glen Ridge, N. J., F. J. Singer, Rockville Centre, N. Y., and E. M. Smith, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Data transmission system. 2,406,384; Aug. 27.
- Kinkead, Fullerton S., deceased, New York, by R. S. Kinkead, administratrix, Trudau, and G. A. Locke, Glenwood Landing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,407,286; Sept. 10.
- Kinkead, Rita S., administratrix: *See*—
Kinkead, Fullerton S.
- Kinkead, Fullerton S., Melhuish, Singer, and Smith. Kinkead, Robert E., Shaker Heights, Ohio. Arc welding. 2,402,165; June 15.
- Kinnaird, James A., Braiswick, near Colchester, assignor to Bromilow and Edwards Limited, Bolton, England. Apparatus for loading and unloading moving floor vehicles. 2,409,870; Oct. 22.
- Kinne, Edmund F., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,393,914; Jan. 29.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,408,653; Oct. 22.
- Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler carrier. 2,400,049; May 7.
- Kinnear, Reginald A., H. B. Chamberlain, J. F. McCanne, C. T. Patis, and J. C. Gordon, Beaumont, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation. 2,394,696; Feb. 12.
- Klinenberg, Ivar H., and C. L. Thomas, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Organopolysulfide rubber. 2,411,275; Nov. 19.
- Klinenberg, Ivar H., and C. L. Thomas, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Organopolysulfide rubber. 2,411,276; Nov. 19.
- Kinney Company, The, assignee: *See*—
Glukes, Bernard R.
- Kinney Manufacturing Company, assignee: *See*—
Barron, John T.
- Kinney, S. P., Engineers, Inc., assignee: *See*—
Kinney, Selwyn P., and Hartwick.
- Kinney, Selwyn P., assignee, et al.: *See*—
Kinney, Selwyn P., and Hartwick.
- Kinney, Selwyn P., Crafton, Pa., assignor of one-fourth to R. C. Butler, one-fourth to J. M. Hughes, and one-fourth to J. H. Carter, Youngstown, Ohio, and one-fourth to J. B. Henry, Aspinwall, Pa. Tuyere. 2,398,098; Apr. 9.

- Kinney, Selwynne P., Crafton, and L. M. Hartwick, Beaver, assignors to S. P. Kinney, doing business as S. P. Kinney Engineers, Pittsburgh, Pa. Butterfly valve. 2,393,170; Jan. 15.
- Kinney, Selwynne P., Crafton, and L. M. Hartwick, Beaver, Pa., assignors, by mesne assignments, to S. P. Kinney Engineers, Inc., Pittsburgh, Pa. Car unloading device. 2,406,546; Aug. 27.
- Kinnucan, James W., assignor to Continental Aviation and Engineering Corporation, Detroit, Mich. Accessory mechanism and drive for aircraft engines. 2,410,167; Oct. 29.
- Kinnucan, James W., Detroit, Mich., and F. L. Prescott, Dayton, Ohio, assignors to Continental Aviation & Engineering Corporation, Muskegon, Mich. Engine. 2,400,830; May 21.
- Kinnucan, Walter F., Chicago, Ill. Making latex tubes. 2,392,049; Jan. 1.
- Kinsel, Anthony, Petrolia, Pa., assignor to L. Sonneborn Sons, Inc. Refining of petroleum hydrocarbon waxes. 2,392,853; Jan. 15.
- Kinella, Edward, Spondon, near Derby, assignor to British Celanese Limited, London W. 1, England. Textile machinery. 2,396,662; Mar. 19.
- Kinsey, Hartselle D., Whiting, Ind., T. H. Kelly, and P. J. Ferrara, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Cyclic process for making butadiene. 2,393,381; Jan. 22.
- Kinyon, Brice W.: *See*—
Trumbull, Walter M., and Kinyon.
- Kinzbach, Robert B., Houston, Tex. Stuffing box. 2,410,291; Oct. 29.
- Kipp, Calvin P., Douglaston, N. Y. Tacker. 2,412,620; Dec. 17.
- Kirby, Arthur J., assignee: *See*—
McCaffrey, Charles L.
- Kirby, James B., West Richfield, Ohio. Driving mechanism. 2,397,869; Apr. 2.
- Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Laundry machine. 2,396,105; Mar. 5.
- Kirby, James E.: *See*—
Hanford, William E., Kirby, and Woodward.
- Kirby, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Processes of color photography and compositions and elements thereof utilizing polymeric quaternary ammonium dye intermediates. 2,396,275; Mar. 12.
- Kirchdorfer, Henry N., Louisville, Ky. Hand truck. 2,396,953; Mar. 19.
- Kircher, Raymond J., Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic generator. 2,407,667; Sept. 17.
- Kirchhof, Julius, Ruxton, Baltimore, Md., assignor to Franklin Railway Supply Company, Inc., New York, N. Y. Poppet valve locomotive. 2,401,764; June 11.
- Kirchofer, Herman: *See*—
Breed, Carroll M., and Kirchofer.
- Kirchner, Henry P., Niagara Falls, and A. L. Ball, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Coated abrasive. 2,410,506; Nov. 5.
- Kirchner, Ignatz A., Vienna, Germany; vested in the Alien Property Custodian. Monolithic floor construction. 2,410,505; Nov. 5.
- Kirk & Blum Manufacturing Company, The, assignee: *See*—
Hulton, Charles S.
- Kirk, James H.: *See*—
Finley, Willard L., and Kirk.
- Kirk, Joseph S.: *See*—
Iler, Ralph K., and Kirk.
- Kirk, Joseph S., Seven Hills, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning compositions. 2,395,003; Feb. 19.
- Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes and products. 2,395,850; Mar. 5.
- Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicic acid sols. 2,408,654; Oct. 1.
- Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process for producing silicic acid sols. 2,408,656; Oct. 1.
- Kirkbridge, Frederick W., Frodsham, Warrington, England, assignor to Imperial Chemical Industries Limited. Purification of crude trichloroacetyl chloride. 2,399,641; May 7.
- Kirkhill, Inc., assignee: *See*—
Lewis, Howard R., and Larson.
- Kirkpatrick, James B., Woodbury, N. J., J. J. Somers, Philadelphia, Pa., and A. N. Sachanen, Woodbury, N. J., assignors to Secony-Vacuum Oil Company, Incorporated. Catalytic alkylation process. 2,404,776; Sept. 3.
- Kirkpatrick, William J.: *See*—
Farinacci, Nicholas T., and Kirkpatrick.
- Kirkpatrick, William J., Marshalltown, assignor to Hercules Powder Company, Wilmington, Del. Terpene isomerization. 2,393,915; Jan. 29.
- Kirkpatrick, William J., Marshalltown, assignor to Hercules Powder Company, Wilmington, Del. Cyrene production. 2,402,898; June 25.
- Kirkpatrick, Willis B., Scarsdale, N. Y. Apparatus for making ice. 2,400,517; May 21.
- Kirkwood, Hugh F., York Village, Maine. Dispensing container. 2,392,535; Jan. 8.
- Kirkwood, Loren R.: *See*—
Holst, Paul F. G., and Kirkwood.
- Kirsch Company, assignee: *See*—
Keahey, Frank S.
- Kirsch, Guy W.
- Kirsch, Frank K., assignor to Briggs Manufacturing Company, Detroit, Mich. Bending machine. 2,400,151; May 14.
- Kirsch, Guy W., Sturgis, assignor to Kirsch Company, St. Joseph, Mich. Venetian blind adjusting means. 2,405,153; Aug. 6.
- Kirschbaum, Harry M., Detroit, Mich. Exhibiting instrument. 2,412,584; Dec. 17.
- Kirschenbaum, Samuel, Brooklyn, N. Y. Liquid dispensing device. 2,411,435; Nov. 19.
- Kirschman, H. Darwin, assignee: *See*—
Fomeroy, Richard D.
- Kirschner, G. S., Vashon, Wash. Surgical apparatus. 2,393,694; Jan. 29.
- Kirsten, Kurt F. J., Seattle, Wash. Hull construction. 2,396,428; Mar. 12.
- Kirsten Pipe Company, assignee: *See*—
Nye, William M.
- Kirton, Wilford W., Salt Lake City, Utah. Gantry. 2,410,979; Nov. 12.
- Kisch, Joseph, Maplewood, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiterminal pilot-wire relaying. 2,400,997; May 28.
- Kisch, Louis A., Little Falls, assignor to Metal Textile Corporation, West Orange, N. J. Combined strainer and sump. 2,394,076; Feb. 5.
- Kise, Mearl A.: *See*—
Crowder, John A., Kise, and Nestly.
- Kise, Mearl, and R. F. Engle, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Production of substituted succinic anhydrides. 2,411,215; Nov. 19.
- Kisher, Archie E., assignee, et al.: *See*—
Kiser, Edward L.
- Kiser, Darwin R., Emporium, Pa., assignor to Sylvania Electric Products Inc. Electrode for electron discharge. 2,398,012; Apr. 9.
- Kiser, Edward L., St. Louis, Mo., assignor of one-fourth to H. L. Kiser, one-fourth to A. E. Kiser, and one-fourth to W. E. Kiser. Railway signal device. 2,411,095; Nov. 12.
- Kiser, Howard L., assignee, et al.: *See*—
Kiser, Archie E.
- Kiser, Nathaniel L.: *See*—
Mueller, William P., and Kiser.
- Kiser, William E., assignee, et al.: *See*—
Kiser, Edward L.
- Kislung, Norman L., Baltimore, Md. Capsule cleaner. 2,401,081; May 28.
- Kislung, William L., St. Louis County, Mo. Deflector for air circulating units. 2,398,380; Apr. 16.
- Kispert, Joseph J., Mount Carmel, Conn. Corset. Re. 22,773; July 23.
- Kispert, Joseph J., Branford, Conn. Ventilated corset. 2,410,082; Oct. 29.
- Kispert, Joseph J., Branford, Conn. Corset. 2,410,083; Oct. 29.
- Kispert, Joseph J., assignor to I. Newman & Sons, Inc., New Haven, Conn. Garment. 2,407,885; Sept. 17.
- Kissel, William H., Ludington, Mich. Window stop. 2,407,837; Sept. 17.
- Kistinger, John, assignor, to Voland & Sons, Inc., New Rochelle, N. Y. Balance. 2,401,487; June 4.
- Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Abrasive article and making the same. 2,406,385; Aug. 27.
- Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Abrasive articles. 2,398,319; Sept. 24.
- Kistner, Harold J.: *See*—
Rabenda, Edward J., and Kistner.
- Kitaj, Walter: *See*—
Pfeffer, Edward C., Jr., and Kitaj.
- Kitchen, Leland J.: *See*—
Pollard, Cass B., and Kitchen.
- Kitchen, Sumner W.: *See*—
Read, Thomas A., Fushfeld, and Kitchen.
- Kitchen, William H., Seattle, Wash. Welder's mask. 2,402,820; June 25.
- Kittel, George P., West New York, and P. D. Wollner, Weehawken, assignors, by mesne assignments, to Aerol Products Company, West New York, N. J. Apparatus for heating and melting materials. 2,396,578; Mar. 12.
- Kittel, Howard S., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Powder handling mechanism. 2,395,411; Feb. 26.
- Kittler, Milton J.: *See*—
Olson, Elmer, and Kittler.

- Kitto, William H., Greentown, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,403,602; July 9.
- Kitt, William H., Greentown, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,410,293; Oct. 29.
- Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,410,292; Oct. 29.
- Kittredge, Raymond E., assignor to Link Aviation Devices, Inc., Binghamton, N. Y. Training device. 2,396,857; Mar. 19.
- Kittrell, John, Durant, Okla. Nut cracking machine. 2,402,755; June 25.
- Kivley, Ray C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool guiding fixture. 2,412,453; Dec. 10.
- Kjellgren, Bengt R. F., University Heights, assignor to The Brush Beryllium Company, Cleveland, Ohio. Recovering beryllium sulphate. 2,408,934; Oct. 8.
- Klaasen, Leonard H.: *See—*
Cotter, Bart, Klaasen, and Archer.
- Klasey, John H.: *See—*
Hodges, Ralph, and Klasey.
- Klassen, Edward J., Los Angeles, Calif. Thermopressure gluing press. 2,411,043; Nov. 12.
- Klatt, Leon: *See—*
Hohl, John, and Klatt.
- Klauser Manufacturing Company, assignee: *See—*
Hoch, Grover C.
- Klaus, Calvin C., Highland, Ill. Shoe. 2,403,442; July 9.
- Klaus, Fred M.: *See—*
Klaus, Fred R. and F. M.
- Klaus, Fred R. and F. M., Cleveland Heights, Ohio. Towing hitch for trailers. 2,399,746; May 7.
- Klausner, Bertha: *See—*
Krasner, Harold E., and Klausner.
- Klausnitzer, Frank, and G. W. Battles, Pittsburgh, Pa. Crutch. 2,398,534; Apr. 16.
- Kleber, Jackson O., Long Island City, N. Y. Game board for the blind. 2,399,041; Apr. 23.
- Klebsattel, Charles A.: *See—*
Mack, Percy F., and Klebsattel.
- Kleen Refrigerator, Inc., assignee: *See—*
Erland of Kleen, Nils.
- Kleidon, Albert J., New Brighton, Minn. Ladder hoist. 2,405,605; Aug. 6.
- Klein, Joseph J., Bayonne, and G. L. Pearson, Towaco, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor device. 2,407,288; Sept. 10.
- Klein, Clarence F., assignor to Frankenberg Bros., Inc., Columbus, Ohio. Paperboard coin box. 2,409,047; Oct. 8.
- Klein, Clarence J.: *See—*
Rieger, Ernest W., and Klein.
- Klein, David X., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the naphthoquinone series. 2,399,355; Apr. 30.
- Klein, Ferdinand C., Smithton, Mo. Seeder attachment for tractors. 2,400,646; May 21.
- Klein, Gustav, Melrose Park, assignor to Caloric Gas Stove Works, Philadelphia, Pa. Door mounting for cooking stoves or the like. 2,410,980; Nov. 12.
- Klein, Karl, Westport, Conn. Nail. 2,412,517; Dec. 10.
- Klein, Philip L., and A. Z. Shevsky, U. S. Army, Charlotte, N. C. Dental instrument. 2,399,231; Apr. 30.
- Klein, Robert A., New York, assignor to one-half to A. Kraus, Brooklyn, N. Y. Fruit cutter and squeezer. 2,404,382; July 23.
- Klein, Victor G.: *See—*
Fox, Alexander P., Rotter and Klein.
- Klein, Victor G., and Klein.
- Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo. Packing. 2,399,550; Apr. 30.
- Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo. Reciprocating mechanism. 2,413,957; Dec. 31.
- Kleineberg, Paul E., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Signature gathering machine. 2,413,358; Dec. 31.
- Kleiner, Albert J., West Hempfield, assignor to Hamilton Watch Company, Lancaster, Pa. Escape and balance staff. 2,392,745; Jan. 8.
- Kleiner, Julius: *See—*
King, Wilbert A., Kleiner, and Clark.
- Kleinhans, Earl S., Santa Monica, and G. P. Peed, Jr., Pacific Palisades, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Control means for airfoils. 2,395,671; Feb. 26.
- Kleinholz, Milton P., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Composition. 2,403,923; July 16.
- Kleinke, Werner E., Manhasset, assignor to The Johnson-March Corporation, New York, N. Y. Hand cleaner. 2,410,168; Oct. 29.
- Kleinman, Jacob L., New York, N. Y. Reversible garment construction. 2,412,988; Dec. 24.
- Kleinmann, Max, assignor to Dimple Tie Corporation, New York, N. Y. Lining for ties. 2,394,077; Feb. 5.
- Kleinmann, Max, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Package. 2,409,362; Oct. 15.
- Kleinschmidt, Armin R., Mankato, Minn. Canning fresh water fish. 2,411,736; Nov. 26.
- Kleinschmidt, Edward E., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Automatic message exchange system. Re. 22,723; Feb. 19.
- Kleinschmidt, Robert V., Stoneham, Mass., assignor to Arthur D. Little. Method of and apparatus for evaporating liquids and condensing vapors. 2,395,004; Feb. 19.
- Kleinschmidt, Robert V., Stoneham, assignor to Arthur D. Little, Inc., Cambridge, Mass. Apparatus for distillation. 2,398,184; Apr. 9.
- Kiss, Louis D., Seattle, Wash., assignor to Phillips Petroleum Company. Catalytic contacting method. 2,392,798; Jan. 8.
- Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Cooling apparatus. 2,405,432; Aug. 6.
- Kleist, Herman W., Chicago, Ill. Refrigerator car. 2,410,449; Nov. 5.
- Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Device for freezing foods. 2,405,834; Aug. 13.
- Klenny, William F., Detroit, Mich. Center drill. 2,403,861; July 9.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Controlled peaking transformer. 2,395,881; Mar. 5.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical apparatus. 2,397,966; Apr. 9.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Circuit for electrical space discharge devices and operating same. 2,402,608; June 25.
- Klemperer, Otto E. H., Iver, England, assignor to Electric and Musical Industries, Ltd. Electron lens. 2,412,687; Dec. 17.
- Klemperer, Wolfgang B., West Los Angeles, Calif. Tell-tale. 2,400,152; May 14.
- Klemperer, Wolfgang B., West Los Angeles, and S. J. Goldberg, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Sighting device. 2,412,585; Dec. 17.
- Klepp, Edwin C., Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited. Electric radiometer. 2,400,308; May 14.
- Kleven, Samuel L., Augusta, Maine. Footwear. 2,393,539; Jan. 22.
- Kleven, Samuel L., Augusta, Maine. Footwear. 2,393,540; Jan. 22.
- Kleven, Samuel L., Augusta, Maine. Shoe. 2,407,556; Sept. 10.
- Kliever, Edward A., Sr., Longview, Tex. Engine exhaust muffler. 2,392,989; Jan. 15.
- Kliever, Waldo H., Minneapolis, Minn., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,407,838; Sept. 17.
- Klimasbesky, Edwin B., Minneapolis, Minn. Rubber balloon umbrella. 2,401,252; May 28.
- Kline, Bernard L., Manhasset, and C. E. Mobius, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Conductive paper. 2,400,544; May 21.
- Kline, Hayden B., and L. S. Fryer, Cleveland, and R. D. MacLaurin, Bay Village, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of thread or the like. 2,394,519; Feb. 5.
- Kline, John E., Grosse Pointe Farms, assignor to Micro-matic Hone Corporation, Detroit, Mich. Honing tool. 2,411,545; Nov. 26.
- Kline, Theodore S., and G. K. Rogers, assignors to Capital Machine and Welding Works, Sacramento, Calif. Hydraulic key seater. 2,392,536; Jan. 8.
- Kling, Alfred G.: *See—*
Jorgenson, John P., and Kling.
- Kling Bros. Engineering Works, assignee: *See—*
Jorgenson, John P., and Kling.
- Kling, Fred E., Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Ladle tilting apparatus. 2,393,695; Jan. 29.
- Kling, Nelson G.: *See—*
Ashton, Ben, N., and Kling.
- Klinge Bros., Engineering Works, assignee: *See—*
Jorgenson, John P., and Kling.
- Klinge, John, Dubuque, Iowa. Connecting link for chains. 2,397,148; Mar. 26.
- Klingelhofer, William C.: *See—*
Nesty, Glenn A., and Klingelhofer.
- Klinger, James D., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Bearing. 2,404,295; July 16.
- Klingler, Emil, Körtal, O. Knapf, Pfacht Kreis Leonberg, and M. Lutz, Stuttgart-Weilmündorf, Germany; vested in the Alien Property Custodian. Rubber insulation for metallic conductors. 2,395,785; Feb. 26.
- Klinke, Henry O., Forest Hills, N. Y., assignor to Air Reduction Company, Incorporated. Method and apparatus for controlling torch spacing. 2,411,737; Nov. 26.
- Klinzmann, Henry, Jr.: *See—*
Klinzmann, Henry, Sr., H. Jr., and L.
- Klinzmann, Henry, Sr., H. Jr., and L. Haigler, Nebr. Utility hand cart. 2,399,642; May 7.

- Klinzmann, Louis: *See*—
Klinzmann, Henry, Sr., H. Jr., and L.
Klocke, William, Woodhaven, N. Y. Mechanical drawing press. 2,434,181; July 16.
Klonaris, Eustathis N., Morgan City, La. Keel and power stem for boats. 2,399,042; Apr. 23.
Kloner, Irving I., Brooklyn, N. Y. Extensible lighting fixture. 2,408,783; Oct. 8.
Kloote, George E., assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich. Apparatus for molding plywood panels. 2,412,274; Dec. 10.
Klopak, Joseph: *See*—
Olson, Theodore A., and Klopak.
Klopfenstein, Gerald J., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Separable filter screen. 2,392,537; Jan. 8.
Klopovic, Joseph, Euclid, Ohio. Automatic nut gun. 2,412,275; Dec. 10.
Klopstock, Hans, London, and A. R. Neelands, Doncaster, England. Welding plates. 2,399,356; Apr. 30.
Kloran, James J., Cumberland, Md., assignor to Celanese Corporation of America. Twister ring. 2,397,491; Apr. 2.
Klose, Alfred J., Inglewood, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Fuel container. 2,397,184; Mar. 26.
Klose, Milton, Manitowoc, Wis. Rotary lawn trimmer. 2,404,504; July 23.
Klossner, Stanley H., assignor to Divine Brothers Company, Incorporated, Utica, N. Y. Measured tension control for abrasive belt systems. 2,407,499; Sept. 10.
Klotz, Herman J.: *See*—
Brand, Samuel, and Klotz.
Klotz, John R. M.: *See*—
Littman, Edwin R., and Klotz.
Rice, Earl S., and Kase.
Klumb, Carl E., assignor to West Bend Equipment Corporation, West Bend, Wis. Hand lift truck. 2,399,043; Apr. 23.
Klumb, Stanley G., Milwaukee, Wis. Electric fence. 2,413,506; Dec. 31.
Knab, Emil D., Lake Farsipany, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Impaling instrument. 2,403,443; July 9.
Knapp, Harry L., Detroit, Mich. Metalworking machine. 2,401,165; May 28.
Knapp, Harry M.: *See*—
Butterfield, Joseph T., Knapp, and Runyon.
Knapp, Henry, Cranford, N. J. Water-heating apparatus. 2,402,899; June 25.
Knapp-Monarch Company, assignee: *See*—
Ward, Lawrence T.
Knapp, Otto: *See*—
Klinger, Emil, Knapp, and Lutz.
Knapp, Paul, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Annular wick orler. 2,391,980; Jan. 1.
Knapp, William G., assignor to C. P. Peirce, Evanston, Ill. Winding device. 2,409,942; Oct. 22.
Knauff, Mary A., Tucson, Ariz. Three-dimensional picture. 2,404,136; July 16.
Knauss, Richard H., Peoria, Ill. Internal-combustion engine. 2,407,788; Sept. 17.
Kneale, Ralph M., Cleveland Heights, Ohio. Transfer sheet. 2,408,147; Sept. 24.
Kneass, Strickland, Jr., Boylston, assignor to Morgan Construction Company, Worcester, Mass. Draft producing apparatus. 2,397,870; Apr. 2.
Knebel, Robert W.: *See*—
Brauer, Howard H., and Knebel.
Knecht, Margaret F., Muncie, Ind. Baby supporter. 2,404,505; July 23.
Kneisley Electric Company, assignee: *See*—
Kneisley, Richard F.
Kneisley, Richard F., assignor to Kneisley Electric Company, Toledo, Ohio. Article surfacing machine. 2,407,557; Sept. 10.
Kneissler, Walter: *See*—
Brill, Aron, and Kneissler.
Knickerbocker Development Corporation, assignee: *See*—
Heyer, Benjamin F. W.
Knight, George C., assignee, et al.: *See*—
Wilson, James E.
Knight, Milton A.: *See*—
Taylor, John A., and Knight.
Knight, Robert M., Chicago, Ill. Track for track laying vehicles. 2,410,507; Nov. 5.
Knobel, Max, Arlington, Mass. Tracking apparatus. 2,407,886; Sept. 17.
Knochel, William J.: *See*—
Cherry, Sidney J., Werner, and Knochel.
Knolz, Arthur S.: *See*—
Russell, John D., Ball, and Knolz.
Knoll, Alexander F.: *See*—
Hall, Harold E., and Knoll.
Knopp, Otto A., Oakland, Calif. Power survey instrument. 2,405,656; Aug. 13.
Knopp, Otto A., Oakland, Calif. Power survey instrument. 2,405,657; Aug. 13.
Knott, Fred, Jr., Linden, and M. A. Pavlick, Elizabeth, N. J., assignors to Standard Oil Development Company. Surface coating for packaging polymers. 2,394,616; Feb. 12.
Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Driving and stopping mechanism for sewing machines. 2,404,850; Jan. 20.
Knott, Edward B., Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic materials. 2,411,096; Nov. 12.
Knott, Edward B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 2,411,546; Nov. 26.
Knott, John, Portland, Oreg. Star drill. 2,398,231; Apr. 9.
Knowland, Thomas M., Belmont, assignor to Boston Woven Hose & Rubber Company, Boston, Mass. Grinding of rubber scrap. 2,412,586; Dec. 17.
Knowles, Frank W., and H. A. Dudley, Seattle, Wash.: said Dudley assignor to said Knowles. Refrigerated locker. 2,404,851; July 30.
Knowles, Frank W., Seattle, Wash. Heat transfer device. 2,412,621; Dec. 17.
Knowles, Phillips H.: *See*—
Miller, David H., Knowles, and Hughes.
Knowlton, Cutler D., Rockport, assignor to Hoague-Sprague Corporation, Lynn, Mass. Boxmaking. 2,393,383; Jan. 22.
Knowlton, Cutler D., Rockport, and D. Edgar, Lynn, Mass., assignors to United Shoe Machinery Corporation, Lynn, Mass. Process and apparatus for glazing leather. 2,398,835; Apr. 23.
Knowlton, Cutler D., and F. R. Thresh, Beverly, assignors to Hoague-Sprague Corporation, Lynn, Mass. Article assembling. 2,400,153; May 14.
Knox, Harry A., Washington, D. C. Track shoe. 2,391,907; Jan. 1.
Knox, Harry A., Washington, D. C. Track shoe. 2,393,325; Jan. 22.
Knox, Harry A., Washington, D. C. Flexible idler. 2,393,393; Feb. 5.
Knox, Harry A., Washington, D. C. Steering brake. 2,395,882; Mar. 5.
Knox, Harry A., Washington, D. C. Clutch. 2,405,582; Aug. 13.
Knox, Joseph R.: *See*—
Gascoigne, George H., and Knox.
Knox, Samuel L. G., New York, N. Y. Elastic fluid engine. 2,405,359; Aug. 6.
Knudsen, Carl J., Tyler, Minn. Pole climber. 2,392,538; Jan. 8.
Knudsen, Earl, and H. H. Talbot; said Talbot assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Draw bench. 2,391,908; Jan. 1.
Knutson, Harold, assignor, by mesne assignments, to Paul Dickinson Company, Chicago, Ill. Ventilator. 2,410,950; Nov. 12.
Kobe, Inc., assignee: *See*—
Mestas, Ricardo.
Kobel, Ernst, Emmetbad, assignor to Aktiengesellschaft Brown, Boverie & Cie, Baden, Switzerland. Current collector for rotating machines. 2,401,166; May 28.
Kobinsky, Manuel J.: *See*—
Ziegler, Marc, and Kobinsky.
Koch, Fred E., assignor to American Beauty Products Co., Chicago, Ill. Drying apparatus. 2,404,732; July 23.
Koch, Clarence W., St. Louis, Mo. Typewriter table. 2,402,412; June 18.
Koch, Eleanor J., assignee: *See*—
Cantrell, Frank J.
Koch, Fred C., Wichita, Kans. Apparatus for effecting intimate contact between gases and liquids. 2,401,569; June 4.
Koch, Henry, Jamaica, assignor to Dictograph Products Company, Inc., New York, N. Y. Bone conduction telephone. 2,405,433; Aug. 6.
Koch, Lydia B., assignee: *See*—
Boyd, Ruth O.
Koch, Stanley J., Clifton, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Contact terminal for electron tubes. 2,398,535; Apr. 16.
Koch, Stanley J., Clifton, and J. H. Robillard, East Orange, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Electron gun structure. 2,390,014; Mar. 5.
Koch, Wilfred D., Troyeville, Johannesburg, Transvaal, Union of South Africa. Internal-expanding braking device. 2,401,938; June 11.
Koch, William W., assignor to Hercules Powder Company, Wilmington, Del. Plastic composition. 2,397,320; Mar. 26.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Program control receiver. 2,392,672; Jan. 8.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Measuring mechanical impedance. 2,394,455; Feb. 5.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Oscillator circuits. 2,395,746; Feb. 26.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Automatic frequency control. 2,404,852; July 30.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Superregenerative receiver circuits. 2,410,981; Nov. 12.

- Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Record reproduction circuit. 2,410,982; Nov. 12.
- Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Discriminator-rectifier circuit. 2,410,983; Nov. 12.
- Kocher, Ernst, assignee: *See—*
Kocher, Friedrich.
- Kocher, Friedrich, assignor to E. Kocher, Berne, Switzerland. Drying and milling device. 2,395,628; Feb. 26.
- Rock, Winston E., Terrace Park, assignor to The Baldwin Company, Cincinnati, Ohio. Oscillation generator. 2,400,309; May 14.
- Koebel Diamond Tool Company, assignee: *See—*
Lindqvist, Olof V., and Martin.
- Koehane, Katherine, Jackson Heights, N. Y. Snow and rain protector garment. 2,411,922; Dec. 3.
- Koehler, Egon, Tulsa, Okla. Hydraulic surge damper. 2,401,570; June 4.
- Koehn, Otto F.: *See—*
Booharin, Leo Y., Tiedtke, and Koehn.
- Koehring Company, assignee: *See—*
Beckwith, Raymond A.,
Graham, Frederick D.,
Lichtenberg, Erich H.,
Vaughn, George A.
- Koenig, Edgar A.: *See—*
Statham, Thomas R., Koenig, and Caldwell.
- Koehler, Gustave J., Dayton, Ohio. Fluid valve. 2,407,789; Sept. 17.
- Koehring, Roland P.: *See—*
Marvin, John T., and Koehring.
- Koenig, Aaron, Far Rockaway, N. Y. Finger ring construction. 2,408,982; Oct. 8.
- Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Analysis and representation of complex waves. 2,408,982; July 16.
- Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Representation of complex waves. 2,403,983; July 16.
- Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproduction. 2,403,985; July 16.
- Koenig, Walter, Jr., Clifton, N. J., and A. E. Ruppel, Queens Village, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Representation of complex waves. 2,403,984; July 16.
- Koepnick, Robert C., Dayton, Ohio, D. I. Patt, Providence, R. I., and F. E. Randall, New Philadelphia, Ohio. Glove-size tester. 2,406,386; Aug. 27.
- Kögel, Wilhelm G., Stockholm, Sweden. Absorption refrigeration apparatus. 2,402,413; June 18.
- Kögel, Wilhelm G., Stockholm, Sweden. Refrigeration. 2,402,414; June 18.
- Kögel, Wilhelm G., Stockholm, Sweden. Refrigeration. 2,402,416; June 18.
- Kögel, Wilhelm G., and N. E. Widell, Stockholm, Sweden. Absorption refrigerating apparatus. 2,402,415; June 18.
- Kögel, Wilhelm G., and N. E. Widell, Stockholm, Sweden. Refrigeration. 2,402,417; June 18.
- Kohl, Everard F., Cleveland, Ohio. Impermanent pattern and the preparing molds. 2,400,831; May 21.
- Kohl, Everard F., Cleveland, Ohio. Circuit interrupting device. 2,410,663; Nov. 5.
- Kohler, Fred, assignor to Induction Heating Corp., New York, N. Y. Composition adapter for inductive heating and using same. 2,393,541; Jan. 22.
- Kohler, George O.: *See—*
Graham, William R., Jr., Kohler, and Hoover.
- Kohler, Henry F., Baytown, Tex., assignor to Standard Oil Development Company. Hydrogenating olefins. 2,403,288; July 16.
- Kohlhepp, Henry R., Saginaw, assignor to American Box Board Company, Grand Rapids, Mich. Packing for collapsible tubes. 2,398,536; Apr. 16.
- Kohlhepp, Norman, Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Apparatus for melting finely divided aluminum and alloys and other metals. 2,402,498; June 18.
- Kohout, George A., Chicago, Ill. Stoker. 2,398,431; Apr. 16.
- Kohring, Wilbur M., Lakewood, Ohio, assignor to Continental Carbon, Inc. Attachment insert. 2,400,647; May 21.
- Kokatsu, Yaman R., assignor to Autoxygen, Inc., New York, N. Y. Anhydrous caustic alkalis and preparing same. 2,393,108; Jan. 15.
- Kokatsu, Yaman R., assignor to Autoxygen Inc., New York, N. Y. Crystallizing hygroscopic inorganic compounds. 2,394,244; Feb. 5.
- Kolarik, John, Brooklyn, N. Y. Traction splint. 2,413,053; Dec. 24.
- Kolarik, John, Brooklyn, N. Y. Caliper brace. 2,413,634; Dec. 31.
- Koletzko, Paul, assignee, et al.: *See—*
Engler, Herman.
- Kollath, Francis C., Chicago, Ill. Lamp guard and handle. 2,394,697; Feb. 12.
- Kollen, Myron H., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Hydraulic fluid and lubricating oil. 2,398,943; Apr. 23.
- Kollen, Myron H., Detroit, Mich., assignor to Union Oil Company of California, Los Angeles, Calif. Composition of matter suitable as a hydraulic fluid. 2,408,983; Oct. 8.
- Kollenberg, Conrad H., Goose Creek, Tex., assignor to Standard Oil Development Company. Catalytic cracking process. 2,407,374; Sept. 10.
- Koller, Ernst, Basel, Switzerland. Foldable stretcher. 2,394,245; Feb. 5.
- Koller, Lewis R., Schenectady, N. Y., assignor to General Electric Company. Liquid settling process. 2,402,900; June 25.
- Kols, Jacob A., Columbus, Ohio. Apparatus for waving hair. 2,392,157; Jan. 1.
- Kolter, Robert M.: *See—*
Chamberlain, Earl B., and Kolter.
- Kolter, Robert M., Decatur, Ind. Wire enamelling die. 2,407,337; Sept. 10.
- Kominek, Edward, Jr.: *See—*
Gustafson, Hilding B., and Kominek.
- Komroff, Paul, Flushing, N. Y., S. Pitt, Westfield, and D. V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,392,482; Jan. 8.
- Konen, Harry J.: *See—*
Buxton, Loran O., and Konen.
- Kongsted, Ludvig P., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Magneto ignition system. 2,395,629; Feb. 26.
- König, Rezzo, A. Gerecs, and Z. Foldi, Budapest Hungary; vested in the Alien Property Custodian. Preparation of vitamins of the type B₁. 2,393,106; Jan. 15.
- Konikoff, Robert H., Jackson Heights, assignor to Hammett, Riglander & Co. Inc., New York, N. Y. Spring bar. 2,392,092; Jan. 1.
- Koning, Gerald, Muskegon, Mich. Machinist's gauge. 2,397,492; Apr. 2.
- Konrad, William L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Test set for communication apparatus. 2,398,381; Apr. 16.
- Konter, August P., Shaker Heights, Ohio. Moving apparatus and control therefor. 2,401,082; May 28.
- Konter, Richard W., New York, N. Y. Harp. 2,401,571; June 4.
- Konykva, Frank J.: *See—*
Kalister, Frank B., Stafford, and Konykva.
- Koolnis, Stanley R., assignor to Display Cartons Company, New York, N. Y. Portable bottle carrier. 2,397,549; Apr. 2.
- Koos, Paul V., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletype-writer switchboard. 2,408,074; Sept. 24.
- Koper, Charles H., Needham, Mass., assignor to B. F. Sturtevant Company, of Hyde Park, Boston, Mass. Heat exchanger. 2,399,357; Apr. 30.
- Kopetz, George H., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Lubricated shaft bearing. 2,398,944; Apr. 23.
- Kopp, Carl J.: *See—*
Gillette, Harold R., Kopp, and Gillette.
- Kopp, Sigmund, Glen Rock, N. J., assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,411,097; Nov. 12.
- Kopp, Sigmund, Glen Rock, N. J., assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,411,436; Nov. 19.
- Koppel, Charles, Robbinsville, N. J. Cylinder and dial knitting machine. 2,399,439; Apr. 30.
- Koppel, Charles, Robbinsville, N. J. Cylinder and dial knitting machine. 2,399,440; Apr. 30.
- Koppel, Charles, Robbinsville, N. J. Cylinder and dial knitting machine. 2,401,083; May 28.
- Koppel, Ernest R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Chuck. 2,407,083; Sept. 3.
- Koppelman, Theodore, Scranton, Pa. Pants pocket construction. 2,412,622; Dec. 17.
- Koppen, Otto C., Newton, Mass. Spoiler control means for airplanes. 2,410,855; Nov. 12.
- Koppen, Otto C., Wellesley, Mass. Airplane. 2,410,856; Nov. 12.
- Koppers Company, Inc., assignee: *See—*
Becker, Joseph.
Fair, William F., Jr.
Glowacki, William L., and Winans.
Hill, William H.
Keeling, William O., and Glowacki.
Morton, Allen W.
O'Brien, John, and Rodman.
Rueckel, Walter C.
Shaffer, Chester E.
Shaw, Joseph A.
Stewart, Hubert L.
Van der Hoeven, Bernard J. C.
Winans, Charles F.
- Koppers Company, Incorporated, assignee: *See—*
Hill, William H., and Veltman.
Robbins, Thomas E., Jr.
- Kopplin, Karl J., Normandy, assignor to F. Burkart Manufacturing Company, St. Louis, Mo. Self-sealing tank. 2,395,556; Feb. 26.

- Kops, Earl A., D. S. Sanborn, and V. A. Johnson, assignors to The Ryan Aeronautical Co., San Diego, Calif. Shimmy damper for airplane landing gear. 2,393,110; Jan. 15.
- Koret, Joe, San Francisco, Calif. Bifurcated garment. 2,393,537; Apr. 16.
- Koret, Joe, San Francisco, Calif. Pleated skirt. 2,393,538; Apr. 16.
- Koretzky, Murray H., New York, N. Y. Birthday cake candle holder. 2,406,777; Sept. 3.
- Korman, Nathaniel L., Camden, N. J., assignor to Radio Corporation of America. Timing modulation. 2,400,643; May 21.
- Korman, Nathaniel L., Camden, N. J., assignor to Radio Corporation of America. Rotating joint for parallel wire transmission lines. 2,401,572; June 4.
- Korman, Nathaniel L., Camden, N. J., assignor to Radio Corporation of America. Ultra-high frequency ignition device. 2,403,290; July 2.
- Korman, Nathaniel L., Haddon Heights, N. J., assignor to Radio Corporation of America. Standing wave detector for centimeter waves. 2,403,289; July 2.
- Korn, Arthur, Hoboken, N. J., assignor to Square D Company, Detroit, Mich. Wireless communication. 2,403,603; July 9.
- Kornblutt, Hyman, Brooklyn, N. Y. Guide wheel arrangement. 2,404,353; July 23.
- Korneggs, Heinz, Fort E. V. and K. 7a, now by judicial change of name Henry Von Kornorn, assignor, by mesne assignments, to Asher Blum, New York, N. Y. Making artificial wool imitation filaments and artificial wool filaments. 2,403,437; July 9.
- Kornel, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Time-measuring instrument. 2,395,127; Feb. 19.
- Korneke, Paul B., Jr., Scotia, N. Y., assignor to General Electric Company. Carrier current control system. 2,394,780; Feb. 19.
- Korner, John, Philadelphia, Pa., and H. P. Loomis, assignors to Silmo Chemical Corporation, Vineland, N. J. Stabilization of vitamin A and vitamin A-containing material. 2,394,456; Feb. 5.
- Korodi, Paul C., Buffalo, and W. P. McKinnie, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Control quadrant assembly. 2,401,741; June 11.
- Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel pump. 2,394,860; Feb. 12.
- Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Forming coils. 2,400,008; May 7.
- Korte, Edward H., Brooklyn, N. Y. Mechanical movement. 2,405,360; Aug. 6.
- Korten, Ernst, Frankfurt-on-the-Main-Fechenheim, Germany; vested in the Alien Property Custodian. Softening agent. 2,410,294; Oct. 29.
- Kosek, Joseph A., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Suspension type flooring for aircraft. 2,412,778; Dec. 17.
- Koskela, Jonas F., Maynard, Mass. Metal type stop motion attachment for looms. 2,409,766; Oct. 22.
- Kosmin, Milton, Dayton, Ohio., assignor to Monsanto Chemical Company. Electrodeposition of nickel. 2,401,428; June 4.
- Kosolapoff, Gennady M.: *See—*
Hardy, Edgar E., and Kosolapoff.
Thomas, Charles A., and Kosolapoff.
- Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Esters of paraffin phosphonic acids. 2,397,422; Mar. 26.
- Koss, Joseph W., Brookline, Pa. Rolling strip metal. 2,392,323; Jan. 8.
- Kost, Harold W., Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Sheet metal fastener. 2,400,545; May 21.
- Kost, Harold W., Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich. Sheet metal fastening device. 2,404,236; July 16.
- Kost, Phillip, Houston, Tex. Box spring. 2,402,252; June 18.
- Kostelling, John E., San Francisco, Calif., assignor to Field-Ernst Envelope Company. Receipt envelope. 2,402,821; June 25.
- Kostur, J. Edward, Amarillo, Tex. Clutch. 2,407,019; Sept. 3.
- Kottraba, Joseph C., Chicago, Ill. Combined toothbrush holder and tooth paste dispenser. 2,411,923; Dec. 3.
- Kott, Hermann, West Orange, N. J., assignor, by mesne assignments, to Publication Corporation, New York, N. Y. Register control mechanism for printing presses. 2,396,706; Mar. 19.
- Kottas, Walter W., New Kensington, Pa. Bowling game. 2,404,296; July 16.
- Kottermann, Claxter A., Livingston, N. J., assignor to Federal Telephone and Radio Corporation. Multiple rectifier cooling system. 2,412,989; Dec. 24.
- Kottmann, Arthur A., Davenport, Iowa, assignor, by mesne assignments, to The Bettendorf Company. Cable cutter. 2,402,057; June 11.
- Kotzen, Louis E., assignee, et al.: *See—*
Killian, Ezekiel.
- Kotzen, Myer E., assignee, et al.: *See—*
Killian, Ezekiel.
- Kotzen, Samuel R., assignee, et al.: *See—*
- Koulicovitch, Maurice, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Machine tool and photoelectric positioning of the work table. 2,406,299; Aug. 20.
- Kovacs, Julius P.: *See—*
Fisk, Albert S., and Kovacs.
- Kovacs, Theodor, Vienna 117, Germany; vested in the Alien Property Custodian. Fountain pen. 2,401,167; May 28.
- Kovacs, William R.: *See—*
Van Sittert, Paul, and Kovacs.
- Kovacs, William R., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Cycle controlling device. 2,397,871; Apr. 2.
- Kovacs, William R., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Rivet feeding device. 2,397,872; Apr. 2.
- Kovalsky, Joseph F., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,403,087; July 2.
- Kowalski, Frank, Jr., Freda, Calif. Tank carrier. 2,393,641; Jan. 29.
- Kowalski, Frank, Jr., Freda, Calif. Tank carrier. 2,393,642; Jan. 29.
- Kowalski, Frank, Jr., U. S. Army, Camp Chaffee, Ark., and R. L. Harper, U. S. Army, Camp Bowie, Tex. Oil well pump. 2,408,075; Sept. 24.
- Kowalski, Frank E., Jamaica, N. Y. Paint brush ferrule. 2,395,224; Feb. 19.
- Kozanowski, Henry N., Collingswood, N. J., assignor to Radio Corporation of America. New modulation system for portable equipment. 2,401,573; June 4.
- Krahl, Fred L., and R. Paulin, assignors to Railway and Industrial Engineering Company, Greensburg, Pa. Line shorting contactors. 2,400,936; May 28.
- Kraft Cheese Company, assignee: *See—*
Bryant, Higbee W.
- Kraft Foods Company, assignee: *See—*
Eldredge, Elmer E.
Palmer, Frank D.
- Kraft, George A., New York, N. Y. Cinematic set. 2,402,822; June 25.
- Kraft, Guillermo, Limitada Sociedad Anonima de Impresiones Ceneales, assignee: *See—*
Yzetta, Ernesto N.
- Kraft, Hans, Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,392,673; Jan. 8.
- Kraiser, Edgar H., Milwaukee, Wis., assignor to The Oil-Grain Company. Broaching machine. 2,405,434; Aug. 6.
- Krajci, Samuel, New Orleans, La., assignor to The Celotex Corporation, Chicago, Ill. Unit for roofs and walls. 2,400,357; May 14.
- Krakauer, Abraham, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Folding bed couch. 2,397,477; Mar. 19.
- Krakauer, Abraham, Brooklyn, N. Y., assignor to No-Sag Spring Company, Detroit, Mich. Spring element and construction. 2,403,379; July 2.
- Kral, Adolph M., assignee: *See—*
Gould, Harry
- Kralovic, Frank S., Parma, Ohio. Sewing appliance. 2,412,891; Dec. 17.
- Kramer, Andrew A., assignee: *See—*
Clements, Ernest W.
- Kramer, Benjamin: *See—*
Natelson, Samuel, Kramer, and Tekel.
- Kramer, Clarence F., Birmingham, and F. G. Kerby, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Amphibious vehicle. 2,397,791; Apr. 2.
- Kramer, Clarence F., Birmingham, and F. G. Kerby, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Cooling system for marine vehicles. 2,397,792; Apr. 2.
- Kramer, Eugene, Astoria, Long Island, N. Y. Parking meter. 2,394,054; Feb. 12.
- Kramer, John A., San Diego, Calif. Two cycle gas engine cylinder piston and valve mechanism. 2,393,542; Jan. 22.
- Kraiser, Paul H., assignor to Park Chemical Company, Detroit, Mich. Selective carburizing. 2,399,551; Apr. 30.
- Kramer, Tobias, Brooklyn, N. Y. Tie rack. 2,409,570; Oct. 16.
- Kramer, William: *See—*
Newmark, David, and Kramer.
- Kranich, Herbert, Brooklyn, N. Y. Glass solution inhibiting. 2,402,557; June 25.
- Kranick, Frank N. G., and C. W. Hansen, assignors to J. I. Case Company, Racine, Wis. Harvesting machine. 2,395,672; Feb. 26.
- Krantz, Walter M., assignor to Ace Storm Window Company, Youngstown, Ohio. Corner construction. 2,395,673; Feb. 26.
- Kraus, Walter M., and R. M. Murray, Duluth, Minn., assignors to Oliver Iron Mining Company. Vibrating bar grizzly. 2,396,954; Mar. 19.
- Krapf, Herman C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,397,185; Mar. 26.
- Krapf, Herman C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,400,898; May 28.

- Krasberg, Rudolf, Chicago, Ill. Hair curler. 2,392,928; Jan. 15.
- Krasberg, Rudolf, Chicago, Ill. Hair curler. 2,408,657; Oct. 1.
- Krasberg, Rudolf G., Chicago, Ill. Banding means. 2,409,128; Oct. 8.
- Krase, Herbert J., Dayton, Ohio, assignor to Monsanto Chemical Company. Drilling oil or gas wells. 2,393,047; Jan. 15.
- Krase, Norman W.; See—
Larson, Alfred T., and Krase.
- Krase, Norman W., Swarthmore, and A. E. Lawrence, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethylene polymers. 2,396,791; Mar. 19.
- Krasik, Sidney, Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra-high frequency control system. 2,412,892; Dec. 17.
- Krasner, Harold E., and B. Klausner, New York, N. Y. Container for explosive shells. 2,407,500; Sept. 10.
- Krasnow, Shelley, New York, N. Y., and J. M. S. Kaufman, Washington, D. C. Magnetic compass. 2,402,633; June 25.
- Krasnow, Sheller, New York, N. Y., and L. F. Curtiss, Montgomery, Md., assignors to Geophysical Development Corporation, Washington, D. C. Method and apparatus for direct recording of borehole radioactivity. 2,409,436; Oct. 15.
- Krasnikoff, Nicholas S., London, England. Apparatus for instruction or examination. 2,399,811; May 7.
- Kratky, Anton, New York, N. Y. Grinding and polishing tool. 2,400,363; Oct. 15.
- Kratzer, Blair S., Williamsport, Pa., assignor to The Aviation Corporation, New York, N. Y. Cylinder structure for engines. 2,411,924; Dec. 3.
- Kratzer, Herbert J., St. Louis, Mo. Variable compression ratio internal-combustion engine. 2,399,276; Apr. 30.
- Kratzer, James C.; See—
Clapsadle, Leo J., Dratzer, and Sommer.
- Kratzmaier, Paul, Kansas City, Mo. Structural connecting and supporting unit. 2,406,501; Aug. 27.
- Kraus, Abraham, assignee; See—
Klein, Robert A.
- Kraus, Charles A., Providence, R. I., and J. D. Calfee, Westfield, N. Y., assignors to Standard Oil Development Company. Isomerization process using metal halide complexes. 2,404,444; July 23.
- Kraus, Charles E., Rochester, N. Y. Cutter. 2,407,501; Sept. 10.
- Kraus, Charles E., Rochester, N. Y. Milling cutter. 2,407,502; Sept. 10.
- Kraus, William A., Richmond, Va. Time recorder attachment and card guide. 2,400,020; Sept. 3.
- Krauss, Philip, Memphis, Tenn., assignor to Robert Van Clee and Samuel J. Behr, a partnership, doing business as The Fashion Curtain Company, Memphis, Tenn. Ruffle folder. 2,396,376; Mar. 12.
- Kraut, Hans B.; See—
Gallimore, Keith F., and Kraut.
- Kraut, Hans B., and K. F. Gallimore, assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Machine tool. 2,393,696; Jan. 29.
- Kreag, Malcolm G., Chicago, Ill., assignor to Haynes Sellite Company. Metal-working tool. 2,392,821; Jan. 15.
- Kreager, Paul H., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Directional antenna system. 2,394,737; Feb. 12.
- Krebeck, Ernest, Washington, D. C. Lamp shade. 2,392,324; Jan. 8.
- Kreber, Frank W., B. W. Gosner, and R. M. Schaffert, Columbus, assignors, by mesne assignments, to Printing Plants Research, Inc., Cleveland, Ohio. Electrotyping. 2,400,518; May 21.
- Krebs, Richard H., Lakewood, Ohio, assignor to W. Soller, Cincinnati, Ohio, and W. H. Woodin Jr., Pasadena, Calif. Balanced amplifier system. 2,399,441; Apr. 30.
- Kreber, Adolf, Riehen, near Basel, assignor to J. R. Gelfy A. G., Basel, Switzerland. Acid diazo dyestuffs and their manufacture. 2,405,895; Aug. 13.
- Kreck, Albert R., Berwyn, Ill. Electrolytic etching of zinc plates. 2,394,190; Feb. 5.
- Kreidl, Ignaz and W., assignors to L. Jekels, New York, J. Heller, Hartsdale, and I. and W. Kreidl, New York, N. Y. Sterilizing materials and making the same. 2,396,514; Mar. 12.
- Kreidl, Ignaz and W., assignors to L. Jekels, New York, J. Heller, Hartsdale, and I. and W. Kreidl, New York, N. Y. Sterilizing products and making them. 2,396,515; Mar. 12.
- Kreidl, Ignaz and W., Cleveland, Ohio. Opaque vitreous enamels. 2,399,232; Apr. 30.
- Kreidl, Ignaz and W., Cleveland, Ohio. Opacification of vitreous enamels. 2,399,233; Apr. 30.
- Kreidl, Norbert J.; See—
Wexl, Woldemar, and Kreidl.
- Kreidl, Werner; See—
Kreidl, Ignaz and W.
- Krelling, August H., assignor to Eugene Dietzgen Co., Chicago, Ill. Slide rule indicator. 2,407,338; Sept. 10.
- Kreiselman, Joseph, Washington, D. C. Resuscitator. 2,399,643; May 7.
- Kreislinger, Henry, Piermont, and V. Z. Caracristi, Bronxville, assignors to Combustion Engineering Company, Inc., New York, N. Y. Pulverized fuel burner. 2,399,234; Apr. 30.
- Kreitner, Johann; See—
Nettel, Frederick, and Kreitner.
- Kreitner, Johann, New York, and F. Nettel, Manhasset, N. Y. Improving power production in combustion turbines. 2,407,165; Sept. 3.
- Kreitner, Johann, New York, and F. Nettel, Manhasset, N. Y. Heat cycle. 2,407,166; Sept. 3.
- Krell, Joseph, Berlin-Zehlendorf, Germany; vested in the Allen Property Custodian. Address printing machine. 2,394,312; Feb. 5.
- Kreutz, Burdick F., Milwaukee, Wis. Trap. 2,412,518; Dec. 10.
- Kremer, Henry, London, England. Molding materials. 2,405,658; Aug. 13.
- Kremer, John T., Houston, Tex., assignor to The Texas Company, New York 17, N. Y. Well sounding microphone. 2,403,535; July 9.
- Kremers, Roland E.; See—
Berry, Norton E., and Kremers.
- Kremers, Roland E., Summit, N. J., assignor to General Motors Corporation, New York, N. Y. Recovering caffeine. 2,391,981; Jan. 1.
- Krenzke, William F., assignor to Jacobsen Manufacturing Company, Racine, Wis. Motor fuel power induction device. 2,397,457; Mar. 26.
- Kress, Rush H., New York, N. Y. Measuring and cutting device. 2,393,384; Jan. 22.
- Kress, Rush H., assignor to S. H. Kress and Company, New York, N. Y. Store display counter. 2,400,832; May 21.
- Kress, S. H., and Company, assignee; See—
Kress, Rush H.
- Kress, Willard C., assignor to J. H. Williams & Co., Buffalo, N. Y. Ratchet for socket wrenches. 2,407,558; Sept. 10.
- Kress, Jean Y., San Francisco, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for electric motors. 2,400,999; May 28.
- Kressman, Frederick W., assignor to Continental Turpentine & Resin Corp., Inc., Laurel, Miss. Preparing fibrous product from wood. 2,400,546; May 21.
- Kressman, Frederick W., and F. W., Jr., assignors of one-half to Continental Turpentine & Resin Corporation, Inc., Laurel, Miss. Resinous material and preparing the same. 2,413,326; Dec. 31.
- Kretschman, Stanley, Chicago, Ill. Cover removing tool. 2,407,428; Sept. 10.
- Kreutz, Rudolph; See—
Delegard, Carl J., and Kreutz.
- Krichman, Harold; See—
Andrew, Philip, and Krichman.
- Krieger, George E.; See—
Maddock, Robert H., and Krieger.
- Kridel, Donald J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of chemical cellulose for esterification. 2,393,783; Jan. 29.
- Krieg, Alfred; See—
Acton, Russel D., and Krieg.
- Kriesler, Jacques, Manufacturing Corporation, assignee; See—
O'Larte, Rudolph, and Speck.
- Krischer, Irving M.; See—
Auslander, Henry, and Krischer.
- Krister, Charles J., Wilmington, Del., and H. J. Sedusky and G. L. Thompson, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol composition. 2,413,570; Dec. 31.
- Krizsan, Stephen, Jr., Trenton, N. J. Spool for wire-stranding machines. 2,404,237; July 16.
- Krochmal, Rudolf; See—
Halpern, William, Weiner, and Krochmal.
- Kroeger, John W., and H. F. O'Connor, Philadelphia, Pa., assignors to Fred'k H. Levey Co., Inc., New York, N. Y. Nonresinous phenol-formaldehyde condensation products. 2,397,018; Mar. 19.
- Kroeger, John W., and H. F. O'Connor, Philadelphia, Pa., assignors to Fred'k H. Levey Co., Inc., New York, N. Y. Printing ink. 2,397,019; Mar. 19.
- Kroeger, John W., Drexel Hill Plaza, and D. J. O'Connor, Jr., Yeadon, Pa., assignors to Fred'k H. Levey Co., Inc., New York, N. Y. Vehicles for steam-set printing inks. 2,400,519; May 21.
- Kroger, Arthur, Spokane, Wash. Shield for welders' helmets. 2,394,388; Feb. 5.
- Krogh, Anker E., Mount Airy, assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,401,832; June 11.
- Krogh, Anker E., Mount Airy, assignor to The Brown Instrument Company, Philadelphia, Pa. Air control instrument. 2,409,871; Oct. 22.
- Kroll, Ervin E., Randolph Field, Tex. Inclinator. 2,397,550; Apr. 2.
- Kroll, Harry E., Providence, assignor to Alose Chemical Company, Cranston, R. I. Deterging, wetting, and emulsifying compositions. 2,404,297; July 16.
- Kroll, Harry H., Chicago, Ill., and M. Weissberg, Providence, assignors to Alose Chemical Company, Cranston, R. I. Saponaceous detergent having improved hard-water characteristics. 2,404,298; July 16.

- Kroll, Nathan J.: *See—*
Kroll, Samuel and N. J.
Kroll, Samuel and N. J., Chicago, Ill. Crib rail support. 2,399,358; Apr. 30.
Kroll, Samuel and N. J., Chicago, Ill. Baby carriage. 2,399,359; Apr. 30.
Kroll, William J., Niagara Falls, N. Y. Refining nickel. 2,396,792; Mar. 19.
Kroll, William J., Niagara Falls, N. Y. Scrap metal recovery process. 2,396,793; Mar. 19.
Kroll, William J., Niagara Falls, N. Y. Refining nickel. 2,396,794; Mar. 19.
Kroll, William J., Niagara Falls, N. Y. Producing iron powder. 2,413,411; Dec. 31.
Krone, Howard C., River Edge, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Self-sealing valved coupling. 2,413,571; Dec. 31.
Kronenberg, Adam, Berlin, Germany; vested in the Alien Property Custodian. Automatic steering device for aircraft. 2,401,168; May 28.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,394,920; Feb. 12.
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Can end marking means. 2,406,451; Aug. 20.
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Overload release means. 2,412,157; Dec. 3.
Krownall, Conventina, Winnetka, Ill., assignor to United Drill and Tool Corporation. Drawing metal stock. 2,400,866; May 21.
Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,402,418; June 18.
Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,410,450; Nov. 5.
Kropa, Edward L.: *See—*
Pann, Harry P., and Kropa.
Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymers of unsaturated compounds and producing same. 2,409,633; Oct. 22.
Kropf, Henry W., assignee: *See—*
Johnson, William.
Kropp, Einar: *See—*
Burk, Robert E., and Kropp.
Krotz, Alvin S.: *See—*
Legullion, Charles W., and Krotz.
Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vehicle suspension. 2,396,579; Mar. 12.
Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making resilient bushings. 2,407,559; Sept. 10.
Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Truck for rail vehicles. 2,408,520; Oct. 1.
Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Spring. 2,409,500; Oct. 15.
Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vehicle suspension. 2,409,501; Oct. 15.
Krouse, Glen N., Columbus, Ohio. Consecutive numbering apparatus. 2,404,912; July 30.
Krows, Arthur E., Hastings-on-Hudson, N. Y. Projecting images from intermittently advancing film strips. 2,395,883; Mar. 5.
Kruea, Charles H.: *See—*
Getsey, John J., and Kruea.
Krueger, Fred G., Norwood, Ohio. Washer lug. 2,406,079; Aug. 20.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Strip serving machine. Re. 2,732; Mar. 19.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Strip serving machine. Re. 2,733; Mar. 19.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Strip serving machine. 2,405,790; Aug. 13.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Tape serving machine. 2,409,572; Oct. 22.
Kruess, Geoffrey G., Dayton, Ohio. Radio compass and direction finder. 2,393,643; Jan. 29.
Krugler, Allen D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Change-over valve for gas dispensing systems. 2,397,670; Apr. 2.
Krummel, Karl O., Denver, Colo. Wirepuller for conduits. 2,394,313; Feb. 5.
Krupner, Andrew P., Waterbury, Conn., assignor to Fisher Scientific Company, Pittsburgh, Pa. Spectrophotometric system. 2,408,023; Sept. 24.
Krupnick, Sydney R.: *See—*
Luth, Harold J., Scheidemantel, and Krupnick.
Krupp, Carroll P.: *See—*
Colley, Russell S., Krupp, and Shook.
Legullion, Charles W., and Krupp.
Krupp, Carroll P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hand control. 2,393,171; Jan. 15.
Krupp, Carroll P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Joint structure. 2,394,075; Feb. 5.
Krupp, Carroll P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective clothing. 2,411,830; Nov. 26.
Krus, Adolf: *See—*
Eutenstein, Fritz, and Krus.
Krus, Herman M., Webster Groves, Mo. Trousers creaser. 2,400,236; May 14.
Krus, Orlin O., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Drying oven control. 2,412,990; Dec. 24.
Krus, Willard E., Chicago, Ill., C. W. Nysewander, Highland, Ind., and J. A. Bolt, assignors to Standard Oil Company, Chicago, Ill. Slurrying aluminum chloride for hydrocarbon conversion processes. 2,406,778; Sept. 8.
Krüssmann, Adolf, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Electrically operating regulating device. 2,399,872; May 7.
Krysman, David, London, England. Internal-combustion engine. 2,396,429; Mar. 12.
Kubat, Emil S., Owatonna, Minn. Roost for fowls. 2,412,091; Dec. 3.
Kubatzky, Otto, St. Louis, Mo., assignor of one-fourth to F. W. Watkins, Cleveland, Ohio. Ventilated window. 2,404,807; July 30.
Kubicki, William J., Webster, Mass. Making platform shoes. 2,404,878; July 30.
Kucera, Barney J., Cleveland, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Signaling apparatus. 2,399,682; May 7.
Kucyn, Chester J., Huntington, N. Y., assignor to Republic Aviation Corporation. Milling fixture. 2,401,000; May 28.
Kuder, Milton L.: *See—*
Smith, Carl H., Jr.
Kuehlman, Norman V.: *See—*
French, Henry C., and Kuehlman.
Kuehlman, Norman V., assignor to The Heil Co., Milwaukee, Wis. Power control unit. 2,396,858; Mar. 19.
Kuehlman, Norman V., Milwaukee, and H. C. French, Elm Grove, assignors to The Heil Co., Milwaukee, Wis. Airplane loading and service vehicle. 2,412,158; Dec. 3.
Kuehlthau, Hugo L., Chicago, C. W. Vokac, Cicero, and M. Del Monte, La Grange, assignors to Whiting Corporation, Harvey, Ill. Electric arc furnace. 2,396,663; Mar. 19.
Kuehn, Karl F.: *See—*
Warren, Charles F., and Kuehn.
Kuehni, Hans P., and N. G. Branson, Schenectady, N. Y., assignors to General Electric Company. Automatic pattern controlled machine tool. 2,410,295; Oct. 29.
Kuenhold, Otto J., Sr., Shaker Heights, assignor to Monmouth Products Company, Cleveland, Ohio. Evaporator. 2,394,698; Feb. 12.
Kuenstler, Walter E., Cliffside Park, N. J. Crystal. 2,404,445; July 23.
Kuert, Ira J., Los Angeles, Calif. Mobile tower. 2,406,335; Aug. 27.
Kugler, Fritz: *See—*
Benz, Helmut, and Kugel.
Kuhl, Paul E., Madison, N. J., assignor to Standard Oil Development Company. Chemical process. 2,394,617; Feb. 12.
Kuhl, Paul E., Madison, and R. M. Shepardsen, Cranford, N. J., assignors to Standard Oil Development Company. Treating hydrocarbon fluid. 2,405,959; Aug. 20.
Kuhl, Paul E., Madison, and A. B. Welty, Jr., Roselle, N. J., assignors to Standard Oil Development Company. Catalytic cracking process. 2,406,547; Aug. 27.
Kuhlik, Hattie B., assignee: *See—*
Kuhlik, Jacob M.
Kuhlik, Jacob M., Brooklyn, assignor to Hattie B. Kuhlik, Sea Gate, N. Y. Sound recording and reproducing machine. 2,408,320; Sept. 24.
Kuhling, Richard, River Edge, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Box or carton. 2,393,994; Feb. 5.
Kuhlman, Richard, River Edge, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Cushioned shipping container. 2,401,765; June 11.
Kuhn, Carl S., Jr.: *See—*
Abrams, Armand J., and Kuhn.
Kuhn, Carl S., Jr., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Polymerization of propylene. 2,400,520; May 21.
Kuhn, Carl S., Jr., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Olefin polymerization. 2,400,521; May 21.
Kuhn, Carl S., Jr., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Catalytic reforming process. 2,403,929; July 16.
Kuhn, Carl S., Jr., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation process. 2,403,930; July 16.

- Kuhn, Carl S., Jr., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Catalytic alkylation process. 2,403,931; July 16.
- Kuhn, Charles H., Indianapolis, Ind. Spinner. 2,412,519; Dec. 10.
- Kuhn, George, Silver Spring, Md., assignor to General Motors Corporation, Dayton, Ohio. Fluid treating apparatus. 2,397,873; Apr. 2.
- Kuhn, John J.; See—
- Coyne, Howard L., Kuhn, and Ross.
- Kuhn, Karl; See—
- Crane, Edward V., and Kuhn.
- Kuhn, Richard, and T. Wieland, Heidelberg, Germany, assignors to Wintrop Chemical Company, Inc., New York, N. Y. Manufacture of the optically active forms of pantothenic acid. 2,407,580; Sept. 10.
- Kuhn, Robert B., Canton, Ohio. Muffler. 2,395,005; Feb. 19.
- Kuhn, Wayne E., Scarsdale, assignor to The Texas Company, New York, N. Y. Refining of pyrethrum oleosins. 2,413,107; Dec. 24.
- Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generating apparatus. 2,392,325; Jan. 8.
- Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Gas burner. 2,392,822; Jan. 15.
- Kuhnl, Leopold, Stratford, assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Key ring and cable like. 2,410,951; Nov. 12.
- Kuhnl, Leopold, Bridgeport, and J. R. Reyburn, Fairfield, Conn., assignors to Magazine Repeating Razor Company, New York, N. Y. Razor blade pack. 2,398,539; Apr. 16.
- Kulnaga, Marvin H., assignor to The Upjohn Company, Kalamazoo, Mich. Recovery of heparin. 2,410,084; Oct. 29.
- Kulla, Michael J., Cleveland, Ohio. Metalworking. 2,403,805; July 9.
- Külle, Fritz, Frankfurt-on-the-Main, Germany; vested in the Alien Property Custodian. Derivatives of 1-hydroxy-phenyl-amino-propane and its derivatives. 2,396,580; Mar. 12.
- Külz, Fritz, Frankfurt-on-the-Main, Germany; vested in the Alien Property Custodian. Derivatives of 1-hydroxy-phenyl-3-aminobutane and their production. 2,407,167; Sept. 3.
- Kummerow, William, Chicago, Ill. Window structure. 2,404,075; July 16.
- Kump, Ernst J. Jr., Atherton, Calif. Furniture. 2,404,182; July 16.
- Kump, Ernest J., Jr., Millbrae, Calif. Laminated plywood arch. 2,413,145; Dec. 24.
- Kuna, Andrew; See—
- Bird, John C., and Kuna.
- Kunasch, Harry A. F., Fond du Lac, Wis. Electrical connection. 2,394,618; Feb. 12.
- Kundig, John J., Hasbrouck Heights, N. J. Reaction turbine propeller. 2,397,357; Mar. 26.
- Kunes, Bernard M.; See—
- Barker, Paul F., Hartman, Galloway, and Kunes.
- Küng, Frederick E., Akron, Ohio. Production of 2-amino-carboxylic acid nitriles. 2,401,429; June 4.
- Kunlansky, Max; assignee: See—
- Carrington, Frank D.
- Kunst, Neil J., Grand Rapids, Mich. Fire basket. 2,408,935; Oct. 8.
- Kunz, Walden H., Jackson, Mich., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Inductive tuner. 2,405,890; Aug. 13.
- Kupchick, Edward, Brooklyn, assignor to Bulova Watch Company, New York, N. Y. Inspection tool. 2,394,788; Feb. 12.
- Kupec, William J.; See—
- Rawlins, Albert W., and Kupec.
- Kupersmith, Leo S., C. G. Leaden Heights, and C. F. Wirt, East Cleveland, assignors to The S. K. Wellman Company, Cleveland, Ohio. Apparatus for finishing bi-metallic articles. 2,392,050; Jan. 1.
- Kuppersmith, Fred W., Bloomington, Ill. Tool jig. 2,397,493; Apr. 2.
- Kuppersmith, Fred W., Bloomington, Ill. Measuring device. 2,397,494; Apr. 2.
- Kurkjian, Yervant H., Clifton, N. J. Automatic control for let-off mechanism of looms. 2,395,630; Feb. 26.
- Kurkjian, Yervant H., Clifton, N. J. Automatic let-off control. 2,395,377; Mar. 12.
- Kurkjian, Yervant H., Clifton, N. J. Self-supporting pessary. 2,404,384; July 23.
- Kurlychek, John L., Orange, N. J., assignor to United States Rubber Company, New York, N. Y. Flame resistant and water repellent fabrics and method of making the same. 2,406,779; Sept. 3.
- Kurth, Franz J.; See—
- Serre, Maurice, and Kurth.
- Kurth, Franz J., assignor to Anemostat Corporation of America, New York, N. Y. Damper. 2,403,291; July 2.
- Kurth, William H.; See—
- Johnson, Helge J. M., and Kurth.
- Kurtz, Henry F., Rochester, and R. G. Morrison, Greece, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,409,364; Oct. 15.
- Kurtz, Max, Washington, D. C. Mine mooring cutter-toggie type. 2,396,707; Mar. 19.
- Kurz, Frederick E., Glen Ellyn, Ill., assignor to The Elmco Corporation, Salt Lake City, Utah. Filter construction. 2,395,225; Feb. 19.
- Kurzweil, Robert, Kew Gardens, assignor to Morey Machinery Co., Inc., Astoria, Long Island, N. Y. Turret lathe headstock. 2,408,658; Oct. 1.
- Kusch, Polykarp; See—
- Okress, Ernest C., and Kusch.
- Kushner, Samuel, Montvale, N. J., assignor to American Cyanamid Company, New York, N. Y. Esters of a-formylphenacetic acid and preparing the same. 2,394,967; Feb. 12.
- Kusner, Albert L., assignee, et al.; See—
- Miller, George.
- Kusner, William, Peoria, Ill. Scraper. 2,400,760; May 21.
- Kusznir, Phillip S., South Gate, Calif. Exercising device. 2,396,106; Mar. 5.
- Kuttl, Clyde R., Sioux City, Iowa. Convertible bicycle attachment. 2,391,982; Jan. 1.
- Kutscha, Alois, Chicago, Ill. Profiling milling cutter. 2,406,780; Sept. 3.
- Kuttner, Julius, Beloit, Wis. assignor to Fairbanks, Morse & Co., Chicago, Ill. Wrist pin assembly. 2,407,429; Sept. 10.
- Kutzbach, Dolph D., Waukegan, Ill. Hole lapping machine. 2,391,983; Jan. 1.
- Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Sash structure. 2,400,009; May 7.
- Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Drawery bracket. 2,400,010; May 7.
- Kuzdal, Anthony, Willimantic, Conn. Razor strop. 2,403,380; July 2.
- Kuzmich, Elizabeth, et al., assignee: See—
- Axnick, Eugene J.
- Kuzmick, Joseph N.; See—
- Novak, Izador J., and Kuzmick.
- Kuzmitz, Frank V.; See—
- Pontius, George W., III, Wilson, and Kuzmitz.
- Kvalnes, Donovan E., and H. E. Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metallized azo pigments. 2,396,327; Mar. 12.
- Kvalnes, Donovan E., and H. E. Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Monazo pigments. 2,396,328; Mar. 12.
- Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of wood. 2,398,649; Apr. 10.
- Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of wood. 2,402,331; June 18.
- Kwartier, Charles E., and P. Lucas, Albany, assignors to Wintrop Chemical Company, Inc., New York, N. Y. Sulphanilamide derivatives. 2,395,412; Feb. 26.
- Kwon, DoIn, Honolulu, Hawaii. Venetian blind. 2,409,943; Oct. 22.
- Kyle and Company, Inc. assignee: See—
- Brown, Luther S., K. R., and F. L.
- Kyle Corporation, assignee: See—
- Kyle, William D., and Van Ryan.
- Kyle, William D., Jr., and Schindler.
- Kyle, William D., assignor to Line Material Company, Milwaukee, Wis. Cable grip. 2,398,013; Apr. 9.
- Kyle, William D., Jr., Milwaukee, and C. Schindler, Wauwatosa, assignors to Kyle Corporation, South Milwaukee, Wis. Automatic reclosing circuit breaker. 2,392,443; Jan. 8.
- Kyle, William D., Jr., Milwaukee, and A. Van Ryan, South Milwaukee, Wis., assignors to Kyle Corporation. Transfer switch. 2,399,044; Apr. 23.
- Kylin, Henrik O.; See—
- Kylin, Oskar, and H. O., and Valentino.
- Kylin, Oskar, assignor to Bardons and Oliver, Inc., Cleveland, Ohio. Lathe screw attachment. 2,399,045; Apr. 23.
- Kylin, Oskar and H. O., and M. L. Valentino, Cleveland Heights, assignors to Bardons and Oliver, Inc., Cleveland, Ohio. Hydraulic rapid traverse. 2,400,237; May 14.
- Kylin, Oskar and H. O., and M. L. Valentino, Cleveland Heights, assignors to Bardons and Oliver, Inc., Cleveland, Ohio. Machine tool. 2,405,435; Aug. 6.
- Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Substituted dihydroimidazoles. 2,392,326; Jan. 8.
- Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Substituted 4,4'-diaminodiphenyl sulphones and making same. 2,399,600; Apr. 30.
- Kyrides, Lucas P., St. Louis, Mo., assignor to Monsanto Chemical Company. Surface-active agents. 2,402,823; June 25.
- Kyrides, Lucas P., Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo. Substituted imidazoles. 2,404,299; July 16.
- Kyrides, Lucas P., Webster Groves, and F. B. Zienty, assignors to Monsanto Chemical Company, St. Louis, Mo. Substituted imidazoles. 2,399,601; Apr. 30.
- Kyrides, Lucas P., Webster Groves, and F. B. Zienty, St. Louis, Mo., assignors to Monsanto Chemical Company. Substituted imidazoles. 2,404,300; July 16.

- Laharee, Benjamin, assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Grid member. 2,411,628; Nov. 26.
- La Berge, William C., assignor to James C. Thomas, III, doing business as Utility Tool and Die Manufacturers, Los Angeles, Calif. Grapefruit cutter. 2,402,558; June 25.
- Labin, Edouard, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn. Aperiodic phase inverter. 2,401,939; June 11.
- Labin, Edouard, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase modulation system. 2,407,887; Sept. 17.
- Labin, Emile: *See—*
Chevigny, Georges P., and Labin.
Deloraine, Edmond M., and Labin.
- Labin, Emile, assignor to International Standard Electric Corporation, New York, N. Y. Impulse oscillator. 2,405,217; Aug. 6.
- Labin, Emile, assignor to International Standard Electric Corporation, New York, N. Y. Pulse modulation system. 2,406,019; Aug. 20.
- Labin, Emile, New York, N. Y., assignor to Federal Telephone & Radio Corporation. Course beacon. 2,407,287; Sept. 10.
- Labin, Emile, assignor to International Standard Electric Corporation, New York, N. Y. Pulse transmitter. 2,408,076; Sept. 24.
- Labin, Emile, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multichannel system. 2,408,077; Sept. 24.
- Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Vacuum tube. 2,410,349; Oct. 29.
- Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation. Radio transmission and monitoring system. 2,412,991; Dec. 24.
- Labin, Emile, New York, and J. H. Nye, Jackson, Mississippi, assignors to Federal Telephone and Radio Corporation. Impedance matching device. 2,406,839; Sept. 3.
- Labin, Emile, and D. D. Grieg, New York, N. Y., assignors to Federal Telephone and Radio Corporation. Constant width synchronized pulse generator. 2,408,078; Sept. 24.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation. Pulse discriminator. 2,408,079; Sept. 24.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Communication. 2,410,350; Oct. 29.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Pulse width measuring system. 2,411,547; Nov. 26.
- Labin, Emile, New York, N. Y., and R. B. Hoffman, East Orange, N. J., assignors to Federal Telephone and Radio Corporation. Vacuum tubes connection. 2,412,992; Dec. 24.
- Labombarde, Harold S., assignor to The International Paper Box Machine Company, Nashua, N. H. Carton stacking mechanism. 2,392,746; Jan. 8.
- La Bour, Harry E., Elkhart, Ind. Self-priming pump. 2,408,836; Aug. 13.
- La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Master cylinder and reservoir. 2,405,093; July 30.
- La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,407,289; Sept. 10.
- LaBrie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,410,169; Oct. 29.
- Lacart, Rollin H.: *See—*
Beeckley, Henry L., Gilbert, and Lacart.
- Lacey, Elbert M., assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Drum tilting arc. 2,399,360; Apr. 30.
- Lacey, Harold T., Plainfield, and W. E. Ness, Middlesex, Borough, N. J., assignors to American Cyanamid Company, New York, N. Y. Oil soluble dyes. 2,392,158; Jan. 1.
- Lacey, Harold T., Plainfield, and R. E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Aminocephalimides. 2,412,817; Dec. 17.
- Lacey-Webber Co., assignee: *See—*
Siemens, Eric.
- LaChance, Edouard, assignor to F. A. Whitney Carriage Company, Leominster, Mass. Steering baby carriage. 2,398,650; Apr. 16.
- Lachance, Ernest J., Leominster, Mass. Electric plug clamp. 2,399,644; May 7.
- La Chapelle, Fred N., Beverly, assignor to S. H. Huberman, Boston, Mass. Box toe cap for shoes. 2,401,574; June 4.
- Lacher, Irvin W.: *See—*
Hawn, Ralph A., and Lacher.
- Lachman, Laurence S.: *See—*
Lachman, Maurice and Laurence S.
- Lachman, Maurice, New York, and L. S. Lachman, Forest Hills, assignors to Structural Patents Corporation, New York, N. Y. Reinforced I-beam. 2,392,674; Jan. 8.
- Lackenbach, Armand E., assignee, et al.: *See—*
Hamel, William W.
- La Crosse, Clifford G., Baltimore, Md. Compounding material for rubber and rubber substitutes. 2,409,437; Oct. 15.
- Lacy, Burrill S., H. A. Bond, and W. S. Hinegardner, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of cyanogen. 2,399,361; Apr. 30.
- Lacy, Lester Y., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translation. 2,403,989; July 16.
- Lada, Irving: *See—*
Blair, Francis E., and Lada.
- Ladd, Edward T., Lewiston Heights, N. Y. Dehydrating caustic solutions. 2,396,664; Mar. 19.
- Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Germicidal preparations. 2,396,468; Mar. 12.
- Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticide preparations. 2,396,665; Mar. 19.
- Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticide preparations. 2,397,423; Mar. 26.
- Ladd, Reuel O., Elmira, N. Y. Bituminous burner head. 2,397,226; Feb. 19.
- La-Del Conveyor & Manufacturing Company, assignee: *See—*
Jenkins, Chester P.
Troller, Theodor H., and Jenkins.
- Ladwig, Otto, & Sons, Inc., assignee: *See—*
Ladwig, Walter O.
- Ladwig, Walter O., assignor to Otto Ladwig & Sons, Inc., Milwaukee, Wis. Hoist. 2,397,271; Mar. 26.
- Laereeman, Tasso L., San Francisco, Calif. Coffee-making machine. 2,405,314; Apr. 9.
- Lafferty, James M.: *See—*
Fiske, Milan D., and Lafferty.
- La Frenier, John, Detroit, Mich. Suspender. 2,408,464; Oct. 1.
- Lagonda Limited, assignee: *See—*
Green, George W. A.
- La Hatto, James A., Atlanta, Ga., and R. B. Smith, assignors to The Reynolds & Reynolds Company, Dayton, Ohio. Applying carbon to sheets. 2,402,559; June 25.
- Lahinen, Ernest L., Minneapolis, Minn. Collapsible tube holder. 2,396,016; Mar. 5.
- Laico, Joseph P., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,403,445; July 9.
- Laico, Joseph P., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,411,543; Nov. 26.
- Laico, Joseph P., and V. L. Ronci, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,404,802; July 9.
- Laidig, Alfred H.: *See—*
Richardson, Henry K., Newcombe, and Laidig.
- Laidig, Alfred H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Discharge lamp, cut-out device and manufacture. 2,393,253; Jan. 22.
- Laidig, Alfred H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,409,694; Oct. 22.
- Lalho, Jalmer M., Skokie, assignor to Feit & Tarrant Manufacturing Company, Chicago, Ill. Calculating machine. 2,410,823; Nov. 12.
- Laing, Kenneth M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Treating oils. 2,405,068; July 2.
- Laird, James M., Charleston, W. Va. Testing assembly. 2,406,080; Aug. 20.
- Laird, Joseph P., assignor to The Wicaco Machine Corporation, Philadelphia, Pa. Base for rayon pumps and the like. 2,403,663; July 9.
- Laird, Ray M., Rootstown, Ohio. Evaporation process. 2,392,093; Jan. 1.
- Laird, Ray M., Rootstown, Ohio. Treatment of apple juices. 2,401,169; May 28.
- Laird, Royal B., and L. H. Gonella, Merced, Calif. Tractor-implement combination. 2,411,277; Nov. 19.
- Laird, Wilbur G., Pleasantville, N. Y. Storage tank for oils and other liquids. 2,403,604; July 9.
- Lakatos, Louis L., Bela-Cynwud, Pa., assignor to Radio Corporation of America. Pulse generator. 2,408,261; Sept. 24.
- Lake, Clair D., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Plug-board contactors. 2,401,430; June 4.
- Lake, Clair D., Binghamton, F. E. Hamilton, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Typewriting calculating machine. 2,403,005; July 2.

- Lake, Clair D., Binghamton, and F. E. Hamilton, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Recorder mechanism. 2,403,006; July 2.
- Lake, George R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Desulphurizing hydrocarbons. 2,405,258; Aug. 6.
- Lake, George R., Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif. Separation of hydrocarbons by distillation. 2,406,695; Aug. 27.
- Lake, George R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Recovery of aqueous azeotrope former in azeotropic distillation of hydrocarbons. 2,414,337; Nov. 19.
- Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,391,984; Jan. 1.
- Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,392,484; Jan. 8.
- Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Recorder control mechanism. 2,411,794; Nov. 26.
- Lake, Stanley H.: See—
- McMillin, James R., and Lake.
- Lakso, Eino B., Fitchburg, Mass. Article delivering apparatus. 2,408,862; July 9.
- La Lande, William A., Jr., Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Decolorizing hydrocarbon oils. 2,395,931; Mar. 5.
- La Lande, William A., Jr., Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Metal aluminate adsorbents and making same. 2,413,184; Dec. 24.
- La Lande, William A., Jr., Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Removal of volatile metal halides from fluids. 2,413,185; Dec. 24.
- La Lande, William A., Jr., and H. Heinemann, Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Polymerization of olefin hydrocarbons. 2,406,031; Aug. 20.
- Lamb, Albert I., Bay City, Mich. Shipping container. 2,392,675; Jan. 8.
- Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical relay. 2,398,651; Apr. 16.
- Lamb, Anthony H., Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric cell. 2,403,993; July 9.
- Lamb, Charles G., Elmhurst, Ill. Air filter. 2,408,659; Oct. 1.
- Lamb, Clyde K., assignor to Airways Lighting Corporation, Cleveland, Ohio. Work carriage. 2,405,259; Aug. 6.
- Lamb, Donald B.: See—
- Harlow, Winton G., Healis, and Lamb.
- Lamb, Thomas, New York, N. Y. Crutch. 2,409,865; Oct. 15.
- Lamb, Thomas A., Jr., Memphis, Tenn. Flea-guard dog collar. 2,401,253; May 28.
- Lamb, Wade: See—
- Herreshoff, Alexander G., and Lamb.
- Lambach, Fritz, Tenafly, N. J. Warping or beaming machine. 2,398,232; Apr. 16.
- Lambach, Fritz, Tenafly, assignor to Robert Reiner, Incorporated, Weehawken, N. J. Knitting machine. 2,405,583; Aug. 13.
- Lambach, Fritz, Tenafly, and W. Siegel, Union City, assignors to Robert Reiner, Inc., Weehawken, N. J. Yarn tensioning device for textile machines. 2,393,993; Feb. 5.
- Lambach, Fritz, Tenafly, and W. Siegel, Union City, assignors to Robert Reiner, Inc., Weehawken, N. J. Stop control means for stop motions for warping or beaming plants. 2,400,556; May 21.
- Lambach, Fritz, Tenafly, and W. Siegel, Union City, assignors to Robert Reiner, Inc., Weehawken, N. J. Electrically operated stop motion for warping or beaming plants. 2,405,218; Aug. 6.
- Lambert Brake Corporation, assignee: See—
- Lambert, Homer T.
- Lambert, Harry L., Enfield, assignor to Allen Wales Adding Machine Corporation, Ithaca, N. Y. Electric switch. 2,395,052; Feb. 19.
- Lambert, Harry L., Enfield, assignor, by mesne assignments, to W. J. Pickering, New York, N. Y. Mercury switch. 2,395,884; Mar. 5.
- Lambert, Harry L., Enfield, assignor to Allen Wales Adding Machine Corporation, Ithaca, N. Y. Switch. 2,395,885; Mar. 5.
- Lambert, Harry L., Enfield, assignor, by mesne assignments, to W. J. Pickering, New York, N. Y. Circuit controller. 2,410,085; Oct. 29.
- Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Disk brake. 2,405,219; Aug. 6.
- Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Multiple disk energizing clutch. 2,407,022; Sept. 3.
- Lambert, Reuben B., Erie, Pa. Knife sharpener. 2,398,711; Apr. 16.
- Lambert, Russell A., assignor to Brooks Bank Note Company, Springfield, Mass. Carton blank. 2,411,134; Nov. 12.
- Lamberton, Ralph E., Michigan City, Ind., assignor to Joy Manufacturing Company. Pumping apparatus. 2,410,824; Nov. 12.
- Lamborn, Richard, Erie, Pa., assignor to General Electric Company. Dynamoelectric machine. 2,399,531; May 7.
- Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Direct current saturated inductance with relay action. Re. 22,768; June 25.
- Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Load current control. 2,403,891; July 9.
- La Mere, Frank J., Minneapolis, Minn. Water closet. 2,409,048; Oct. 8.
- Lammie, Thorne T., Laclede, Mo. Posthole digging attachment for tractors. 2,410,508; Nov. 5.
- La Mora, Arthur E.: See—
- Baker, James F., and La Mora.
- Lamoureux, Hilaire J., New York, N. Y. Wig construction. 2,405,791; Aug. 13.
- Lampe, Charles E., Sr., Philadelphia, Pa., assignor of four-tenths to C. Lovejoy and one-tenth to H. M. Kannee, Washington, D. C. Pipe bending machine. 2,405,750; Aug. 13.
- Lamphere, F. H., assignee, et al.: See—
- Strong, Jules Q.
- Lamphere, P. H., et al., assignees: See—
- Mathieson, Colin W.
- Lamphere, Richard L.: See—
- Berkey, William K., Hershey, and Lamphere.
- Lampor, Edwin W., Washington, D. C., assignor to Lampport Hydro-Oil Furnace Company, Incorporated. Heat generating apparatus and process. 2,403,446; July 9.
- Lampport Hydro-Oil Furnace Company, Incorporated, assignor: See—
- Lampport, Edwin W.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Plastic sheet and manufacture. 2,397,149; Mar. 26.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Identification badge. 2,397,272; Mar. 26.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Range finder. 2,397,273; Mar. 26.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Range finder. 2,397,274; Mar. 26.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Range finder. 2,397,275; Mar. 26.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing image and manufacture. 2,397,276; Mar. 26.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Plastic sheet and manufacture. 2,402,166; June 13.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Range finder. 2,404,301; July 16.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Collimating system. 2,405,960; Aug. 20.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Range finder. 2,407,306; Sept. 10.
- Land, Edwin H., Cambridge, Mass., and D. P. Cooper, Jr., Washington, D. C., assignors to Polaroid Corporation, Cambridge, Mass. Range finder. 2,404,302; July 16.
- Land, George A.: See—
- Bechman, William O., Land, and Acton.
- Landau, Joseph N., New York, N. Y. Drawn-in collet chuck. 2,398,540; Apr. 16.
- Landberg, Erik G., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Multistage centrifugal pump. 2,407,987; Sept. 24.
- Landers, Alton D., and F. H. Lindsey, Brockton, Mass., assignors to Woodward & Wright Last Co., East Bridgewater, Mass. Lathe for turning lasts or the like. 2,412,125; Nov. 7.
- Landes, Chester G., New Canaan, Conn., assignor to American Cyanamid Company, New York, N. Y. Coating compositions for paper and the like. 2,399,489; Apr. 30.
- Landgraf, Frederick K.: See—
- Greenslade, Grover B., and Landgraf.
- Landis, George G., University Heights, assignor to The Lincoln Electric Company, Cleveland, Ohio. Welder's shield. 2,395,053; Feb. 19.
- Landis & Gyr, A. G., assignee: See—
- Fehr, Paul.
- Landis, Hans.
- Heynisch, Paul.
- Ogurkowski, Georges.
- Weber, Ernst.
- Landis Machine Company, assignee: See—
- Nell, Frederic.
- Landis Tool Company, assignee: See—
- Price, Ralph E.
- Landmeier, Edwin W., Erlanger, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Arc extinguishing means. 2,393,385; Jan. 22.
- Landmeier, Edwin W., Erlanger, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Enclosed switch. 2,404,183; July 16.
- Landon, Vernon D.: See—
- Carlson, Wendell L., Landon, and Harvey.
- Lando, Walter S., assignor to Detroit Subtractor Company, Detroit, Mich. Heating system and control means therefor. 2,398,099; Apr. 9.

- Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Fluid control for oil burners. 2,404,853; July 30.
- Landon, Walter S., Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich. Burner control means. 2,406,228; Aug. 20.
- Landrum, Harvey B., and C. A. Husted, Pampa, Tex., assignors to The Texas Company, New York, N. Y. Paraffin removal. 2,411,044; Nov. 12.
- Landrum, Joel L., Clovis, N. Mex. Fluid transmission and clutch means. 2,406,548; Aug. 27.
- Landrum, Joel L., Marfa, Tex. Automatic hydraulic clutch. 2,406,612; Aug. 27.
- Landrum, Porter, Birmingham, Ala. Aircraft propeller. 2,409,438; Oct. 15.
- Landry, Max E.; See—
- Anderson, Resford O., Landry, and Ardussi.
- Landry, Max E., Tulsa, Okla. Aerial pickup device. 2,410,451; Nov. 5.
- Landry, William J.; See—
- Talge, Henry J., and Landry.
- Landt, Theodore J.; See—
- Lutes, Gilbert M., and Landt.
- Landweber, Louis; See—
- Wilcoxon, Kenneth H., and Landweber.
- Lane, Arthur W.; See—
- Beach, Lennox F., Esvall, and Lane.
- Lane, Arthur W., Freeport, assignor to Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic controlling means. 2,409,634; Aug. 20.
- Lane, Clarence E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,410,825; Nov. 12.
- Lane, Frank B., College Park, assignor to Engineering and Research Corporation, Riverdale, Md. Means to turn rotatable structures. 2,404,639; July 23.
- Lane, Fred A., assignor to Lane Motors Incorporated, Shelbyville, Ind. Pump. 2,411,438; Nov. 19.
- Lane, Jack N., United States Navy, Washington, D. C. Anesthetic mask. 2,393,328; Jan. 22.
- Lane Motors, Incorporated, assignee; See—
- Lane, Fred A.
- Lane, Stanley C.; See—
- Green, Arthur D., Lane, and Marshall.
- Lane, Thomas D., Winnetka, assignor to MacLean Fogg Lock Nut Company, Chicago, Ill. Bolt and mounting therefor. 2,411,629; Nov. 26.
- Lane-Wells Company, assignee; See—
- Chun, Melvin E.
- McWhorter, Cullen J.
- Meyer Gerhard, and Woodmansee.
- Turechek, George F.
- Lang, Adam M., assignor to Langsenkamp Wheeler Brass Works, Inc., Indianapolis, Ind. Power-operated sediment tester. 2,400,154; May 14.
- Lang, André, Wettlingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Rectifier. 2,393,390; Jan. 22.
- Lang, Felix B., Sayreville, N. J. Frame structure. 2,409,366; Oct. 15.
- Lang, Joseph C., Pittsburgh, Pa., assignor to Bockl Corporation. Stapling apparatus. 2,392,327; Jan. 8.
- Lang, Joseph C., assignor to Bockl Corporation, Pittsburgh, Pa. Expandable prong device. 2,396,276; Mar. 12.
- Lang, Joseph C., Pittsburgh, Pa., assignor to Bockl Corporation. Stapling machine and method. 2,408,563; Oct. 1.
- Lang, Joseph C., assignor to Bockl Corporation, Pittsburgh, Pa. Driver for tilt-top staples. 2,409,049; Oct. 8.
- Lang, Joseph W., Woodstown, N. J., and S. R. Detrick, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Physical form of organic pigment. 2,402,167; June 18.
- Lang, Karl A., Glenview, assignor to Lindberg Engineering Company, Chicago, Ill. Current control apparatus. 2,405,837; Aug. 13.
- Lang, Maurice, and H. R. Dam, New York, assignors to H. Hyman, Brooklyn, N. Y. Dry battery. 2,410,826; Nov. 12.
- Lang, Wilmarth Y., Towaco, N. J., and E. F. Watson, Larchmont, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal enciphering mechanism. 2,406,020; Aug. 20.
- Langan, Eugene E.; See—
- Lemmon, Norman E., Bransky, and Langan.
- Langdon, Andrew, Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 2,391,985; Jan. 1.
- Langdon, Jesse D., Downey, Calif. Sea stop. 2,403,806; July 9.
- Langie, Edward H., Baltimore, Md. Demodulator device for frequency and amplitude modulation. 2,395,413; Feb. 26.
- Langie, Edward H., Baltimore, Md. Electronic frequency-control device. 2,406,082; Aug. 20.
- Langie, Felix, assignor to C. G. Bjorkman, Chicago, Ill. Apparatus for making gut strings. 2,410,509; Nov. 5.
- Langie, Henry, assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Heater. 2,399,490; Apr. 30.
- Langie, Henry, assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Gas burner. 2,409,129; Oct. 8.
- Langie, Karl O., Newton, Mass. Radiosonde. 2,396,955; Mar. 19.
- Langie, Morris, University Heights, and M. S. Brockman, Cleveland, Ohio; said Brockman assignor to Superior Funeral Supply Corporation, Cleveland, Ohio. Flagstaff support. 2,398,748; Apr. 16.
- Langie, Morris, University Heights, Ohio. Flagstaff support. 2,405,701; Aug. 13.
- Langie, Paul L. B., Lakewood, Ohio. Portable traffic signal. 2,401,940; June 11.
- Langie, Willy, Cincinnati, Ohio, assignor, by direct and mesne assignments, to Ozark Chemical Company, Tulsa, Okla. Production of anhydrous monofluorophosphoric acid. 2,408,785; Oct. 8.
- Langie, Willy, and R. Livingston, Cincinnati, Ohio, assignors, by direct and mesne assignments, to Ozark Chemical Company, Tulsa, Okla. Anhydrous monofluorophosphoric acid and producing it. 2,408,784; Oct. 8.
- Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Multiple baking pan. 2,407,021; Sept. 3.
- Langer, Bernard F., Squirrel Hill, and K. L. Wommack, Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Strain measuring system. 2,394,079; Feb. 5.
- Langer, Nicholas, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill. Solo electrical musical instrument. 2,403,664; July 9.
- Langfelder, Otto, New York, N. Y. Machine for working wood and the like. 2,401,002; May 28.
- Langford, Ernest E., and A. T. Garnett, assignors to A. J. Garner, Limited, London, England. Portable holdall, case, and bag. 2,405,361; Aug. 6.
- Langford, George W., and A. C. Barrows, assignors to Economy Baler Company, Ann Arbor, Mich. Scrap metal baling press. 2,413,054; Dec. 24.
- Langhammer, Anthony J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for making briquettes. 2,411,379; Nov. 19.
- Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters. 2,393,327; Jan. 22.
- Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Addition products of thiolactic acid. 2,402,560; June 25.
- Langmuir, David B., Englewood, and J. S. Donal, Jr., Princeton Township, Mercer County, N. J., assignors to Radio Corporation of America. Television projector tube. 2,412,520; Dec. 10.
- Langner, Lawrence New York, N. Y., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office. Mine destroyer. 2,409,635; Oct. 22.
- Langsenkamp, Wheeler Brass Works Company, Inc., assignee; See—
- Lang, Adam M.
- Langseth, August M., and E. R. Schib, Staples, Minn. Combination chair, head rest, and hair drier. 2,392,485; Jan. 8.
- Langston, Samuel M., Co., assignee; See—
- Behrens, Herbert C.
- Langstroth, Hall; See—
- Lang, Clarence C., and Langstroth.
- Langstroth, Hall, Hempstead, and F. C. Wallace, Flushing, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Scanning device. 2,407,305; Sept. 10.
- Langstroth, Hall, Greenwich, Conn., and F. C. Wallace, New York, N. Y., assignors to Sperry Gyroscope Company, Inc. Scanning device. 2,410,827; Nov. 12.
- Langstroth, Theodore A., Montclair, N. J., assignor to Sup Chemical Corporation. Pigment or dyestuff and making the same. 2,410,219; Oct. 29.
- Langworthy, William F., Philadelphia, Pa. Core lamination and production thereof. 2,410,220; Oct. 29.
- Lank, Alvin B., Washington, D. C. Making wooden post construction. 2,406,387; Aug. 27.
- Lankelma, Herman P.; See—
- Muselman, John M., and Lankelma.
- Lankford, Howard Y., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Heat exchange. 2,409,873; Oct. 22.
- Lannert, William H., Skokie, Ill., assignor to Chicago Pump Company. Pumping apparatus. 2,401,254; May 28.
- Lannge, Birger A., Rasunda, Sweden. Remote indication system. 2,408,660; Oct. 1.
- Lansden, Gail A., Woodburn, Oreg. Sure grip scythe handle. 2,410,882; Nov. 12.
- Lansdowne Steel & Iron Company, assignee; See—
- Layton, Le Roy.
- Lansing, Horace L., Rutherford, N. J., assignor to Poor & Company, New York, N. Y. Rail and joint structure. 2,403,807; July 9.
- Lantz, Elmer G., Bay City, assignor to Myrtle E. Hoss, Taft, Oreg. Traller hitch. 2,400,522; May 21.
- Lapha, Charles W., Florham Park, N. J. Skip bar. 2,411,045; Nov. 12.
- La Place, Desmond R., assignor to Bockl Corporation, Pittsburgh, Pa. Method of stapling. 2,392,159; Jan. 1.
- La Place, Desmond R., Pittsburgh, Pa., assignor to Bockl Corporation. Driving staples. 2,392,160; Jan. 1.

- La Plant-Choate Mfg. Co., Inc., assignee: *See*—Austin, Ellsworth W.
Cox, Alonzo C.
Nelson, Donald M., and Rockwell.
Rockwell, Harvey W.
- Laplant-Choate Manufacturing Co., Inc., assignee: *See*—Choate, Roy E., and Austin.
Moran, Edward V.
Rockwell, Harvey W.
- La Pointe, Albert A., West Hartford, assignor to La Pointe Engineering Company, Unionville, Conn. Shovel. 2,407,930; Sept. 17.
- La Pointe Engineering Company, assignee: *See*—La Pointe, Albert A.
- Lapointe, Francis J., assignor to American Broach & Machine Co., Ann Arbor, Mich. Pull head for broaching machines. 2,392,747; Jan. 8.
- Lapointe, Francis J., assignor to American Broach & Machine Co., Ann Arbor, Mich. Broach. 2,392,823; Jan. 15.
- Lapointe, Francis J., assignor to American Broach & Machine Co., Ann Arbor, Mich. Pull head for broaching machines. 2,405,961; Aug. 20.
- Lapointe, Francis J., assignor to American Broach & Machine Co., Ann Arbor, Mich. Broaching machine. 2,408,521; Oct. 1.
- Lapointe Machine Tool Company, The, assignee: *See*—Barrett, John H.
- Lapsley, Robert, and D. S. Denice, Berrien Springs, assignors to Clark Equipment Company, Buchanan, Mich. Synchronizer. 2,395,189; Feb. 19.
- Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,406,083; Aug. 20.
- Larchar, Arthur W., Mendenhall, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,412,993; Dec. 24.
- La Rasieta, Corset Company, The, assignee: *See*—Hollar, John V.
- Large, Charles B., Pasadena, M. J. Zucrow, Altadena, and R. L. Hirsch, Glendale, assignors to Aerojet Engineering Corporation, Azusa, Calif. Lubricant. 2,412,688; Dec. 17.
- Large, Edward W., Reading, Pa., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Iron blue pigment and manufacture. 2,402,824; June 25.
- Larimore, Harvey T., Congress Park, assignor to Kalva Venders, Inc., Chicago, Ill. Coin selector device. 2,395,279; Feb. 19.
- Larimore, Harvey T., assignor to Kalva Venders, Inc., Chicago, Ill. Vertical vending machine. 2,405,891; Aug. 13.
- Larison Compensating Axle Corporation, assignee: *See*—Larison, Glenn L.
- Larison, Glenn L., La Grande, Oreg., assignor to Larison Compensating Axle Corporation. Vehicle wheel mounting. Re. 22,714; Jan. 22.
- Larison, Glenn L., La Grande, Oreg., assignor to Larison Compensating Axle Corporation. Vehicle suspension. 2,401,766; June 11.
- Larison, Glenn L., La Grande, Oreg., assignor to Larison Compensating Axle Corporation. Equalizing suspension for vehicles. 2,411,885; Dec. 3.
- Larison, Glenn L., assignor to Larison Compensating Axle Corporation, La Grande, Oreg. Vehicle equalizing suspension. 2,413,572; Dec. 31.
- Larkin, Cordelia E. O., St. Petersburg, Fla. Shampoo cape. 2,413,456; Dec. 31.
- Larkin, Daniel A., Sandusky, Ohio, assignor to The Hinde & Dauch Company. Basket handle. 2,405,810; Aug. 6.
- Larkin, Walter, Norristown, assignor, by mesne assignments, to Fidelity Machine Company, Inc., Philadelphia, Pa. Sinker guide for knitting machines. 2,403,864; July 9.
- La Roque, Joseph E.: *See*—Lehane, Timothy J., and La Roque.
- Larrecq, Anthony J., Indianapolis, Ind., assignor to General Electric Company. Supercharger control system. 2,393,172; Jan. 15.
- Larrecq, Anthony J., Marblehead, Mass., assignor to General Electric Company. Gas turbine power plant. 2,399,046; Apr. 23.
- Larrecq, Anthony J., Indianapolis, Ind., assignor to General Electric Company. Turbosupercharger. 2,406,388; Aug. 27.
- Lars, Ernest, Melrose Park, Ill. Centrifugal separator. 2,403,089; July 2.
- Larsen, Agneve E., Jenkintown, assignor to Autogiro Company of America, Philadelphia, Pa. Molded airfoil, especially for sustaining rotors. 2,400,649; May 21.
- Larsen, Delmar H.: *See*—Miller, Glen W., Kells, and Larsen.
- Larsen, Delmar H., assignor to National Lead Company, Los Angeles, Calif. Compacting or sealing formations. 2,393,173; Jan. 15.
- Larsen, Delmar H., assignor to National Lead Company, Los Angeles, Calif. Well drilling fluid material and preparing the same. 2,393,174; Jan. 15.
- Larsen, Earl I.: *See*—Hensel, Franz R., and Larsen.
Hensel, Franz R., Larsen, and Suggs.
- Larsen, Einer W., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Sorting apparatus. 2,396,378; Mar. 12.
- Larsen, Harry V., Seattle, Wash. Rowlock. 2,405,659; Aug. 13.
- Larsen, Melvin J., Inglewood, Calif. Machine tool. 2,392,486; Jan. 8.
- Larsen, Merwin J., Rochester, N. Y., assignor to Central Commercial Company, Chicago, Ill. Electronic organ. 2,403,090; July 2.
- Larsen, Merwin J., C. S. Schonberg, and J. A. Oswald, Houghton, Mich., assignors to Central Commercial Company, Chicago, Ill. Frequency generating system. 2,410,853; Nov. 12.
- Larsen, Robert M.: *See*—Gallanty, Irving B., and Larsen.
- Larsen, Rudolph H., San Francisco, assignor to Fred Bresee, Jr., doing business as "Balab," Hillsborough, Calif. Defoaming composition and process. 2,412,276; Dec. 10.
- Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene polymerization process. 2,396,920; Mar. 19.
- Larson, Alfred T., Wilmington, Del., and N. W. Krase, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing ethylene. 2,405,962; Aug. 20.
- Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Co-oxidation reaction. 2,405,953; Aug. 20.
- Larson, Alvin W., assignee: *See*—Porter, Edward.
- Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,393,903; Apr. 23.
- Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control mechanism. 2,402,419; June 18.
- Larson, Carl H., Elkhardt, Ind., assignor to The Adlake Company. Apparatus for fabricating mercury switches and the like. 2,396,955; Mar. 19.
- Larson, Carl H., Elkhardt, Ind., assignor to The Adlake Company. Mercury switch. 2,401,768; June 11.
- Larson, Carl H., Elkhardt, Ind., assignor to The Adlake Company. High load mercury switch. 2,401,767; June 11.
- Larson, Carl O., Seattle, Wash. Automobile door lock. 2,397,671; Apr. 2.
- Larson, Edwin C., San Francisco, Calif. Fire escape. 2,409,767; Oct. 22.
- Larson, Edwin H., assignor to C. J. Bates & Son, Chester, Conn. Tinting shuttle. 2,395,786; Feb. 26.
- Larson, Ellis L., Chicago, Ill. Cylinder liner. 2,412,587; Dec. 17.
- Larson, Glen M.: *See*—Lewis, Howard B., and Larson.
- Larson, Louis A., Minneapolis, Minn. Safety razor. 2,399,552; Apr. 30.
- Larson, Ralph A., Oak Park, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Fireproof wiper roll. 2,413,146; Dec. 24.
- Larson, Wallace M., Minneapolis, assignor to Ammoco Products Co., Inc., St. Paul, Minn. Dispensing appliance. 2,392,676; Jan. 8.
- Larsson, Sven, Ekby, Almy, Sweden. Locking mechanism. 2,408,024; Sept. 24.
- La Rue, John C., Bainbridge, Ohio. Knockdown picnic table. 2,411,658; Nov. 26.
- La Rue, William D., Merchantville, N. J., assignor to Radio Corporation of America. Mounting crystal detectors. 2,413,186; Dec. 24.
- Larvick, Frank, Chicago Heights, Ill. Carrier projectile. 2,396,666; Mar. 19.
- La Salle Designing Company, assignee: *See*—Conn, Alfred J., and Stanley.
- Lasensky, Maurice M.: *See*—Abers, John R., and Lasensky.
- Lasher, Edward A.: *See*—Bush, William A., and Lasher.
- Laskey, Benjamin G., Stockton, Calif. Pump. 2,393,175; Jan. 15.
- Latchford, William B., Rochester, and L. C. Holmes, Fairport, assignors to Stromberg-Carlson Company, Rochester, N. Y. Recording and reproducing head for magnetic recording. 2,413,108; Dec. 24.
- Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Chemical treatment. 2,396,859; Mar. 19.
- Latchum, John W., Jr., and J. S. Connors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Regeneration of absorbent. 2,404,854; July 30.
- Latendoff Conveying Corporation, assignee: *See*—Stadelman, Frank.
- Lateur, Gaston L., Menlo Park, Calif. Conical cap for collapsible tubes. 2,404,879; July 30.
- Lateur, Gaston L., Menlo Park, Calif. Adjustable ship curve. 2,404,880; July 30.
- Latham, George H.: *See*—Her, Ralph K., Latham, and Robinson.
- Latham, George H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer products. 2,404,714; July 23.

- Latimer, Kenneth E., Hendon, London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. High-frequency resistance. 2,399,645; May 7.
- Lattimer, Minor W.: *See—*
- Smith, Roscoe B., and Latimer.
- Latta, Lynn H.: *See—*
- Nuffer, Joseph H., and Latta.
- Latty, William J.: *See—*
- Bolas, John T., Edwards, and Latty.
- Latura, John J., Memphis, Tenn. Prefabricated dog house. 2,410,221; Oct. 29.
- Lauby, Anton J., Milwaukee, Wis. Collapsible artificial bait. 2,392,677; Jan. 8.
- Laubscher, G. & Co., Swiss firm of, assignee: *See—*
- Eucher, Rudolf.
- Lauck, John A., South Euclid, assignor to Pesco Products Co., Cleveland, Ohio. Gear divider with pressure loaded bushings. 2,412,588; Dec. 17.
- Laurels, L. F., Inc., assignee: *See—*
- Galber, Harry, and Golick.
- Laudahl, Mark J., Portland, Oreg. Trailer hitch and automatic brake actuator. 2,401,084; May 28.
- Laudan, Fred P.: *See—*
- Minshall, Robert J., Laudan, and Emery.
- Lauer, George J., Long Beach, Calif. Lawn mower reedger. 2,412,343; Dec. 10.
- Laughhead, James F., Ottawa, Kans. assignor to Ottawa Steel Products, Incorporated. Power-operated equipment for tractors. 2,403,808; July 9.
- Laughery, Alfred A., Jr., Maryland Park, Md. Serving mallet. 2,401,357; June 4.
- Laughlin, Kenneth C., Wilmington, Del., assignor to Standard Oil Development Company. Catalytic dehydrogenation. 2,405,436; Aug. 6.
- Laughlin, Kenneth C., Baton Rouge, La., assignor to Standard Oil Development Company. Improving aviation fuels. 2,409,695; Oct. 22.
- Laughlin, William W., Memphis, Tenn. Collapsible wheel aligning gauge. 2,401,256; May 28.
- Laurenson, Robert M., Elkhart, Ind., assignor to The Union Switch and Signal Company, Swissvale, Pa. Remote control system. 2,394,080; Feb. 5.
- Lauria, Ralph, Cleveland Heights, Ohio. Convertible pocket for garments. 2,405,964; Aug. 20.
- Laury, Napoleon A., Bound Brook, and J. B. Lombardo, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Making pyrosulphuric chloride. 2,396,581; Mar. 12.
- Laus, André N., Newton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Coating compositions. 2,396,051; Mar. 5.
- Lauterbach, Norman E., Newark, assignor to Ritter Company, Inc., Rochester, N. Y. Automatic container filler. 2,395,674; Feb. 26.
- Lauve, Louis L., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container cap. 2,408,463; Oct. 1.
- Lavallee, Louis J. A., Springfield, Mass. Making plastic objects. 2,401,306; June 4.
- La Valley, Tennis J., Detroit, Mich. Measuring instrument. 2,401,085; May 28.
- Lavender, Raymond W., Waterford, N. Y., assignor to General Electric Company. Motor control apparatus. 2,407,084; Sept. 3.
- Lavett, Charles O., Kenmore, and H. F. Kerker, Buffalo, N. Y., assignors, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Liquid level control. 2,409,768; Oct. 22.
- Lavino, E. J., and Company, assignee: *See—*
- Griffith, Raymond E.
- Lavo, Harry J.: *See—*
- Faust, William S., and Lavo.
- Lavoie, Georges I., Buffalo, N. Y. Band saw. 2,394,789; Feb. 12.
- Lavor, Edward M.: *See—*
- Elliott, Robert L., and Lavor.
- Lavota, Rudolph A., Milwaukee, Wis. Lathe attachment. 2,392,596; Jan. 8.
- Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Television transmitting apparatus. 2,401,786; June 11.
- Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Electrode structure and manufacture. 2,403,224; July 2.
- Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Manufacturing electrode foundation structures. 2,403,225; July 2.
- Law, John C., Topeka, Kans. assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,404,303; July 16.
- Law, Lester E., Commersville, Ind. Garment hanger. 2,400,761; May 21.
- Law, Richard A., Chelmond Hill, N. Y. Portable auxiliary brake control. 2,395,280; Feb. 19.
- Law, Thomas E., Central Heights Globe, Ariz. Wind power plant. 2,409,439; Oct. 15.
- Lawler, Frank P., assignee, et al.: *See—*
- Lawler, Frank P.
- Lawler, Frank P., Chicago, Ill., assignor to Service Supply Corporation, Philadelphia, Pa. Crane attachment for tractors. 2,393,916; Jan. 29.
- Lawler, Frank P., Chicago, Ill. Reduction gear drive. 2,401,875; June 11.
- Lawler, Frank P., Chicago, Ill., assignor of one-third to C. H. Grant, San Francisco, Calif., one-third to F. P. Lawler, Chicago, Ill., and one-third to P. J. Tyler, Oroville, Calif. Hoist. 2,402,756; June 25.
- Lawless, Timothy E., Marcellus Falls, N. Y. Safety device. 2,410,984; Nov. 12.
- Lawlor, Joseph W.: *See—*
- Huntington, James M., and Lawlor.
- Lawlor, Martin P., Waterbury, Conn., assignor, by mesne assignments, to I. Rossi, Skin clamp. 2,410,664; Nov. 5.
- Lawlor, Reed C., Alhambra, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Analytical system. 2,400,557; May 21.
- Lawrence, Richard B., Kingston, Mass., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Ultra high frequency signal-translating apparatus. 2,404,640; July 23.
- Lawrence, A. C., Leather Company, assignee: *See—*
- Griffin, Roger L.
- Griffin, Roger L., and Moore.
- Lawrence, Beardsley, Jr., assignor to Utility Fabrics Company, Inc., Huntington, W. Va. Composite fabric. 2,418,854; Apr. 12.
- Lawrence, Bert F. and E. E., Oregon City, Oreg. Ice cream disher. 2,412,050; Dec. 3.
- Lawrence, Donald M., Caldwell, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure regulating system. 2,402,499; June 18.
- Lawrence, Donald M., Newark, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware. Pressure-regulating device. 2,402,500; June 18.
- Lawrence, Donald M., Newark, assignor to Bendix Aviation Corporation, Teterboro, N. J. Regulated system. 2,403,331; July 2.
- Lawrence, Emma E.: *See—*
- Lawrence, Bert F. and E. E.
- Lawrence, Howard C., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. High frequency vacuum tube circuit. 2,405,725; July 9.
- Lawrence, Howard C., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Tuning means. 2,410,222; Oct. 29.
- Lawrence, Howard F., assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa. Stoker. 2,408,321; Sept. 24.
- Lawrence, James C.: *See—*
- Mitchell, Frederick C., Lawrence, and Stecher.
- Lawrence, Malcolm C., Bremerton, Wash. Hand sander. 2,413,147; Dec. 24.
- Lawrence Paper Company, The, assignee: *See—*
- Hill, Irving
- Hill, Justin D.
- Lawrence, Ray V., New Orleans, La., assignor to United States of America as represented by the Secretary of Agriculture. Refining crude oleoresin. 2,395,190; Feb. 19.
- Lawrence, Ray V., Lake City, Fla., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America and to his successors in office. Refining oleoresin. 2,411,925; Dec. 3.
- Lawrence, Robert W.: *See—*
- Cordie, Cornell H., and Lawrence.
- Lawrence, Walter B., St. John's, Newfoundland. Traction device. 2,397,277; Mar. 26.
- Lawson, Ernest: *See—*
- Mann, Walter N., and Lawson.
- Laws, Arthur J., Avon Lake, assignor to The International Transparency Company, Cleveland, Ohio. Preparation signs. 2,399,943; Feb. 12.
- Lawson, Archibald, East Orange, N. J., and C. M. Young, Newburgh, N. Y. Liquid separator apparatus. 2,405,838; Aug. 13.
- Lawson, Edwin L.: *See—*
- Farmer, Edward B., and Lawson.
- Lawson, Elmer J., and H. C. Parke, assignors to Parke, Davis & Company, Detroit, Mich. Preparation of vitamin intermediate. 2,399,362; Apr. 30.
- Lawson, Robert H., assignor to Scott & Williams, Incorporated, Lancia, N. H. Racking mechanism for knitting machines. 2,411,795; Nov. 26.
- Lawson, Walter E.: *See—*
- Burrows, Lawton A., and Lawson.
- Huston, Frederick P., Burrows, and Lawson.
- Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Low-freezing oxidant. 2,403,932; July 16.
- Lawson, William E., Sr., Rahway, N. J. Toy pistol. 2,408,984; Oct. 8.
- Lawton, George, Highgate, London, England. Removal of astringent substances from cocoa. 2,398,945; Apr. 23.
- Lawton, Harvey B., Bloomington, Ill., assignor, by mesne assignments, to Eureka Vacuum Cleaner Company, Detroit, Mich. Lubricator for refrigerating systems. 2,394,081; Feb. 5.
- Lawton, Vaughn J., Fort Wayne, Ind., assignor to International Harvester Company. Automatic belt tightener. 2,395,332; Feb. 19.

- Layng, Edwin T., Jersey City, and S. Goldwasser, East Orange, assignors to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion. 2,392,248; Jan. 1.
- Layzell Engineering Company Limited, assignee: See—Hedecock, Stanley.
- Layton, Arthur C., Dallas, Tex. Detecting flaws. 2,393,996; Feb. 5.
- Layton, Le Roy, Lansdowne, assignor to Lansdowne Steel & Iron Company, Marion, Pa. Nosing-in apparatus for shell forgings. 2,404,304; July 16.
- Lazan, Benjamin J., Greenwich, Conn. Oscillator. 2,410,170; Oct. 29.
- Lazar, Arthur, Berkeley, and J. C. Carter, Concord, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Manufacture of lubricating oils. 2,402,288; June 18.
- Lazar, Edward F., Crestwood, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Antifeedback circuit system. 2,401,353; June 4.
- Lazarus, George H., Jr., and J. F. Bewley, Bowling Green, Ky. Gun mounting. 2,405,732; Aug. 13.
- Lazier, Wilbur A.: See—Alvarado, Alfonso M., Lazier, and Wernitz.
- Lazier, Mark W., and Lazier.
- Lazier, Wilbur A., and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of polymeric materials with diethyleneglycol. 2,396,957; Mar. 19.
- Lazier, Wilbur A., Birmingham, Ala., and P. L. Salsberg, Brandywine Hundred, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical compounds and processes. 2,402,591; June 25.
- Lazier, Wilbur A., New Castle County, and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Lactones of mercapto carboxylic acids and preparing them. 2,402,639; June 25.
- Lazier, Wilbur A., New Castle County, and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes and product. 2,402,640; June 25.
- Lazier, Wilbur A., New Castle County, and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of aryl thiols. 2,402,641; June 25.
- Lazier, Wilbur A., and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes. 2,402,642; June 25.
- Lazier, Wilbur A., F. K. Signaigo, and J. H. Wernitz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes. 2,402,643; June 25.
- Lazier, Wilbur A., F. K. Signaigo, and J. H. Wernitz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes. 2,402,644; June 25.
- Lazier, Wilbur A., New Castle County, F. K. Signaigo, Wilmington, and L. G. Wise, New Castle County, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of thionaphthols. 2,402,645; June 25.
- Lea, Edward S., Morrisville, Pa., assignor to Buensod-Stacey, Incorporated. Applying helical fins to cylindrical bodies. 2,396,795; Mar. 19.
- Lea Fabrics, Inc., assignee: See—Buffington, Malcolm B.
- Lea, George D., Downers Grove, and C. L. Pfeiffer, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling articles. 2,410,665; Nov. 5.
- Lea, Grace J., administratrix: See—Lea, Henry I.
- Lea, Harlan L., Racine, Wis. Attachment for stadium boots. 2,408,564; Oct. 1.
- Lea, Henry I., Santa Monica, Calif.; G. J. Lea, administratrix of said H. I. Lea, deceased. Distillation system. 2,398,836; Apr. 23.
- Leach, Carl W., Los Angeles, Calif. Motor vehicle. 2,398,541; Apr. 16.
- Leach, Lester L., Barborton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fuel burner. 2,397,793; Apr. 2.
- Leach, Lloyd L., Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Protective sheet for rubber. 2,391,956; Jan. 1.
- Leach, Lloyd O., Seattle, Wash. Liquid dispenser. 2,397,321; Mar. 26.
- Lead Industries Association, Wormser, Felix E., secretary of, assignee: See—Dick, Robert.
- Leadbeater, Luther: See—Pyne, Kenneth E. and C. D., and Leadbeater.
- Leadbeater, Ralph L., Wheaton, assignor, by mesne assignments, to Burgess-Manning Company, Chicago, Ill. Communication booth. 2,397,609; Apr. 2.
- Leif, Walter B., Denver, Colo. Retarding cinder cutting. 2,408,428; Oct. 1.
- Leake, Armstrong, assignor to Lerio Patent Cup Co., Inc., Mobile, Ala. Pumping system. 2,394,191; Feb. 5.
- Leake, W. E. Company, Inc., assignee: See—Leake, William E., Jr.
- Leake, William E., Jr., Birmingham, Ala., assignor to W. E. Leake Company, Inc. Outdoor cooking apparatus. 2,408,859; Oct. 8.
- Lear, Earl B., Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Snubber for hoists. 2,400,358; May 14.
- Lear, Earl B., Garfield Heights, and A. Meyer, Cleveland Heights, assignors, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Clutch mechanism for slusher hoists. 2,400,359; May 14.
- Lear, Earl B., Garfield Heights, and A. Meyer, Cleveland Heights, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Hoist drum cover. 2,402,289; June 18.
- Lear, Incorporated, assignee: See—Geren, Philip.
- Learn, William P.
- Lear, William P., and Davis.
- Plotkin, Victor J.
- Slavic, Fred M.
- Lear, Joseph D., assignor, by mesne assignments, to Federal-Quigan Corporation, Buffalo, N. Y. Machine for winding fin stocks. 2,408,322; Sept. 24.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Directional radio receiver. 2,392,328; Jan. 2.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio. Direction finding system. 2,393,644; Jan. 29.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Electromagnetic centrifugal governor. 2,401,256; May 28.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Torque preslecting mechanism. 2,403,094; July 2.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Traversing hoist. 2,403,095; July 2.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Synchronized direct current motor system. 2,403,097; July 2.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Automatic motor synchronization control. 2,403,098; July 2.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Cargo hoist. 2,403,099; July 2.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Power transmission control unit. 2,403,101; July 2.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Siren for aircraft. 2,409,131; Oct. 8.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Feeding mechanism. 2,409,132; Oct. 8.
- Lear, William P., Piqua, assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio. Aircraft siren system. 2,392,394; Jan. 8.
- Lear, William P., Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Multiple band radio direction compensator. 2,398,100; Apr. 9.
- Lear, William P., Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Electromagnetic clutch. 2,401,003; May 28.
- Lear, William P., Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Line actuator. 2,403,092; July 2.
- Lear, William P., Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Loop antenna construction. 2,403,093; July 2.
- Lear, William P., Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Radio azimuth compensator. 2,409,130; Oct. 8.
- Lear, William P., Piqua, Ohio, and W. D. Davis, Baldwin, Long Island, N. Y., assignors, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Gyromatic radio compass. 2,392,329; Jan. 8.
- Leary, James F., and C. W. Michatek, Rochester, N. Y. Adjustable strike plate for door locks. 2,403,182; July 2.
- Leather, George B., and W. H. Wallbanks, Feltham, assignors to General Aircraft Limited, Feltham, Middlesex, England. Foldable stretcher. 2,407,085; Sept. 3.
- Leatherman, Martin, Hyattsville, Md. Fire resistant coating composition. 2,407,668; Sept. 17.
- Leathers, Chester F., Detroit, Mich. Welding electrode. 2,402,646; June 25.
- Leathers, Ward, and J. Haddad, Brooklyn, assignors to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,393,386; Jan. 22.
- Leathers, Ward, Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Sensing mechanism. 2,395,557; Feb. 26.

- Leathers, Ward, Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Visual indicating device. 2,398,015; Apr. 9.
- Leavell, Charles, Washington, D. C., and J. A. Wheeler, Princeton, N. J., assignors to Mechanical Research Corporation. Vibration apparatus. 2,400,650; May 21.
- Leavitt, David D., Boston, Mass. Folding crib. 2,413,457; Dec. 31.
- Leavitt, Lillie M., Lakeport, N. H. Bed-type chair. 2,411,278; Nov. 19.
- Leavitt Machine Company, The, assignee: *See*—Wilcox, Philip E.
- Leavitt, Minard A., Avon by the Sea, N. J., assignor to General Electric Company. Circuit controlling device. 2,393,784; Jan. 29.
- Lebedeff, Yuri E.: *See*—Phillips, Albert J., Lebedeff, and Crandall.
- Lebet, Pierre, assignor to Aktiengesellschaft Adolph Saurer, Arbon, Switzerland. Supercharging control for internal-combustion engines. 2,403,865; July 9.
- Le Blond Machine Tool Company, assignee: *See*—Groene, William F., and Kemper.
- Le Blond, R. K., Machine Tool Company, assignee: *See*—Groene, William F., and Aufderhar.
- Hartley, Albert L.
- Le Blond, R. K., Machine Tool Company, The, assignee: *See*—Groene, William F., and Kemper.
- Le Boeuf, Russell L.: *See*—Hanson, Ernest H., Grierson, and Le Boeuf.
- Lebowitz, Samuel, assignee: *See*—Auerbach, Abraham.
- Lebus, William A., assignor to Prismacolor, Inc., Chicago, Ill. Film rack release. 2,407,339; Sept. 10.
- Lebworth, Mark K.: *See*—Mautner, Oscar, and Lebworth.
- Lecher, Hans Z., Plainfield, R. P. Parker, Somerville, and J. J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Disazo dyestuffs. 2,394,246.
- Lecher, Hans Z., Plainfield, M. Scaler, Somerville, and E. M. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of dyestuffs of the indanthrene series. 2,396,582; Mar. 12.
- Lecher, Hans Z., Plainfield, M. Scaler, Somerville, and E. M. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Manufacture of sulphuric ester salts of phenols. 2,402,647; June 25.
- Lecher, Hans Z., Plainfield, and M. Scaler, Somerville, N. J., and C. T. Lester, Emory University, Ga., assignors to American Cyanamid Company, New York, N. Y. Manufacture of sulphuric ester-salts of leuco quinones. 2,403,226; July 2.
- Lecher, Hans Z., Plainfield, and J. P. Goulding, Neshaic Station, N. J., assignors to American Cyanamid Company, New York, N. Y. N-substituted derivatives of 3-amino-1,3-benzodioxoles. 2,409,133; Oct. 8.
- Lecher, Hans Z., Plainfield, J. P. Goulding, Neshaic Station, and R. P. Parker, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Derivatives of 6-amino-1,3-benzodioxan. 2,409,134; Oct. 8.
- Leck, George W., Collingswood, N. J., assignor to Radio Corporation of America. Orienting mechanism for pulse echo systems. 2,410,666; Nov. 5.
- Le Clair, Camille C. S., Acton, London, England. Flexible packing or sealing ring. 2,402,114; June 11.
- Le Clair, Camille C. S., Acton, London, England. Hydraulic damping device. 2,412,277; Dec. 10.
- Ledbetter, James C., E. M. Pritchard and E. W. Sherman, New York, N. Y., assignors to The Prosperity Company, Inc., Syracuse, N. Y. Machine and humidity responsive control therefor. 2,395,787; Feb. 26.
- Ledbetter, John N., Jr., assignee: *See*—Holm-Hansen, Ole.
- Leddy, Edward J., Columbus, Ohio. Instrument for administering corrective treatment to parts of the human anatomy. 2,402,901; June 25.
- Lederer, Karl M., Newark, and A. Dempster, Linden, N. J., assignors to Weston Electrical Instrument Corporation, Newark, N. J. Instrument bearing. 2,405,882; Aug. 13.
- Lederle Laboratories, Inc., assignee: *See*—Carlson, Gustaf H.
- Lee, John W., and Stirn.
- Piersma, Henry D.
- Ledford, Carl H.: *See*—Egan, Charles M., and Ledford.
- Ledlin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Chest lock. 2,399,812; May 7.
- Ledwin, Richard D., Egbertsville, assignor to Scott Aviation Corporation, Lancaster, N. Y. Tail wheel assembly for airplanes. 2,396,277; Mar. 12.
- Ledwinka, Joseph, Philadelphia, Pa. Propeller drive with pitch-changing mechanism. 2,400,050; Oct. 8.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Railway truck. 2,402,901; June 25.
- Ledwinka, Joseph, Philadelphia, Pa., assignor to The Budd Company. Axle suspension. 2,410,402; Nov. 5.
- Ledwinka, Joseph, Philadelphia, and G. Trautvetter, Jenkintown, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rest room for vehicles especially rail cars. 2,400,462; May 14.
- Ledwinka, Joseph, Philadelphia, and J. W. Kelly, Elkins Park, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Combined body and chassis structure. 2,405,260; Aug. 6.
- Ledwinka, Joseph, Philadelphia, and G. Trautvetter, Jenkintown, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Heater duct. 2,406,839; Aug. 13.
- Ledwinka, Joseph, Philadelphia, and G. Trautvetter, Jenkintown, assignors to The Budd Company, Philadelphia, Pa. Window construction, especially for rail cars. 2,407,086; Sept. 3.
- Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine shaft cooling. 2,395,128; Feb. 19.
- Ledwith, Walter A., assignor to United States Aircraft Corporation, East Hartford, Conn. Piston construction. 2,411,886; Dec. 3.
- Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Power plant construction. 2,411,887; Dec. 3.
- Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Assembly of engine cylinders and manifolds. 2,412,344; Dec. 10.
- Lee, Alfred L., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Contact printing frame. 2,391,987; Jan. 1.
- Lee, Arthur L., Upper Arlington, Ohio., assignor to The Jeffrey Manufacturing Company. Mine truck. 2,395,333; Feb. 19.
- Lee, Asa R., assignor to Designers for Industry, Inc., Cleveland, Ohio. Air-speed indicator. 2,408,661; Oct. 1.
- Lee, Bernard F., Framingham, assignor to J. Sandler, Brookline, Mass. Moccasin blank. 2,412,051; Dec. 3.
- Lee, Bernard F., Framingham, assignor to J. Sandler, Brookline, Mass. Shoemaking. 2,412,521; Dec. 10.
- Lee Clay Products Company, Incorporated, assignee: *See*—Francis, John B.
- Lee, Edward C., deceased, by J. T. Cullinan, Chicago, administrator, and C. L. Thomas, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oil. 2,406,613; Aug. 27.
- Lee, Edward C., deceased, by J. T. Cullinan, Chicago, administrator, and C. L. Thomas, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oil. 2,406,614; Aug. 27.
- Lee, Edward W.: *See*—Hart, John A. H., and Lee.
- Lee, Edwin C.: *See*—Scott, Thomas R., and Lee.
- Lee, Edwin C., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Joint for electric power cables maintained under gas pressure. 2,392,748; Jan. 8.
- Lee, Edwin C., London, W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. Filling confined spaces associated with electric apparatus. 2,395,886; Mar. 5.
- Lee Engineering Research Corporation, assignee: *See*—Lee, Royal.
- Lee, Ernest D., West Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Intaglio ink. 2,409,214; Oct. 15.
- Lee, Ernest D., West Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Printing ink. 2,409,215; Oct. 15.
- Lee, Ernest D., West Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Redning resin. 2,409,216; Oct. 15.
- Lee, Floyd J., La Habra, assignor to J. C. Burnam, Whittier, Calif. Fire extinguishing device. 2,404,804; July 30.
- Lee, Frank H., Company, The, assignee: *See*—Kane, John E.
- Lee, Thomas F., and Ives.
- Lee, George H., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Brazing, soldering, or the like process. 2,411,439; Nov. 19.
- Lee, Harry E., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Making valve bags. 2,392,094; Jan. 1.
- Lee, Harry R., Pitman, J. Delnet, Glassboro, and H. B. Gottlieb, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing pyranthrone. 2,405,702; Aug. 13.
- Lee, Henry R., Pitman, N. J., and E. T. Howell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of dibenzanthronyls. 2,413,507; Dec. 31.
- Lee, John G., Farmington, East Hartford, Conn. Bomb displacing gear. 2,412,460; Dec. 10.
- Lee, John G., Farmington, Conn. Bomb rack. 2,413,635; Dec. 31.
- Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Exhaust thrust augmentor. 2,401,941; June 11.

- Lee, John H., Rockford, Ill. Carillon toy. 2,397,794; Apr. 2.
- Lee, John W., Indianapolis, Ind., and F. E. Stirn, Pearl River, assignors to Lederle Laboratories, Inc., New York, N. Y. Recovering hormones. 2,398,185; Apr. 9.
- Lee, Joseph J.: *See*—
Hannewald, Burton A., Lee, and Wheatley.
- Lee, Leighton H., Middletown, assignor to Chandler-Evans Corporation, South Meriden, Conn. Fuel supply system. 2,402,332; June 18.
- Lee, Leonard P., assignee: *See*—
Tippen, Frank J.
- Lee, Prunotto W., York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y. Manufacture of artificial teeth and other molded articles. 2,392,929; Jan. 15.
- Lee, Reuben, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse transformer. 2,412,893; Dec. 17.
- Lee, Robert E., Duluth, Minn. Gauge. 2,397,020; Mar. 19.
- Lee, Roger K., Detroit, Mich. Speed reducing unit. 2,396,860; Mar. 19.
- Lee, Royal, Milwaukee, Wis. Recording instrument. 2,392,487; Jan. 8.
- Lee, Royal, Milwaukee, Wis. Alternating current motor. 2,403,447; July 9.
- Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Electric motor. 2,406,389; Aug. 27.
- Lee, Thomas F., and H. R. Ives, assignors to The Frank H. Lee Company, Danbury, Conn. Hatband cutting machine. 2,412,780; Dec. 17.
- Lee, William T., Norfolk, Va. Milk cooler. 2,393,387; Jan. 22.
- Leece-Neville Company, The, assignee: *See*—
Allen, Edward J.
- Leech, Abner Y., Jr., and H. H. Mohaupt, Washington, D. C. assignors to Societe Anonyme de Gestion et d'Exploitation de Brevets, Fuse. 2,405,840; Aug. 13.
- Leeds, Laurence M., Rotterdam Junction, N. Y., assignor to General Electric Company, Carrier modulation. 2,393,785; Jan. 29.
- Leeds, Laurence M., Rotterdam Junction, N. Y., assignor to General Electric Company. Impedance transformer. 2,396,708; Mar. 19.
- Leeds, Laurence M., Rotterdam Junction, N. Y., assignor to General Electric Company, Impedance matching transformer. 2,405,437; Aug. 6.
- Leeds, Laurence M., Rotterdam Junction, N. Y., assignor to General Electric Company. Directional radio system. 2,412,159; Dec. 3.
- Leeds, Winthrop M.: *See*—
Baker, Benjamin P., and Leeds.
Ludwig, Leon R., Leeds, and Baker.
- Leeds, Winthrop M., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,409,103; July 2.
- Leedy, Jesse, and L. Patrick, Lima, Ohio. Smoker's pipe. 2,404,733; July 23.
- Leef, David, Bronx, N. Y. Lamp harp. 2,408,522; Oct. 1.
- Leekley, Robert M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyimide emulsions. 2,405,965; Aug. 20.
- Leermakers, John A.: *See*—
Fallesen, George E., and Leermakers.
- Lees-Bradner Company, The, assignee: *See*—
Bradner, John A.
Schurr, Charles H.
- Lees, Milton H., Jr., assignee: *See*—
Bucht, Conrad R.
- Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Railway car truck. 2,412,689; Dec. 17.
- Le Fevre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Forming brushes. 2,402,333; June 18.
- Lefebvre, Loda C., Ville St-Laurent (near Montreal), Quebec, Canada. Soft-face attachment for pneumatic hammers. 2,400,833; May 21.
- Lefere, Alldor, assignor to Lefere Forge & Machine Company, Jackson, Mich. Drawing press. 2,403,183; July 2.
- Lefere Forge & Machine Company, assignee: *See*—
Lefere, Alldor.
- Le Fevre, Walter J.: *See*—
Britton, Edgar C., and Le Fevre.
- Dreisbach, Robert R., Britton, and Le Fevre.
- Laffer, Frederick W.: *See*—
Laffer, Friedrich W.
- Laffer, Friedrich W., naturalized as Frederick W. Laffer, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of fluid reactants. 2,396,709; Mar. 19.
- Laffer, Friedrich W., naturalized as Frederick W. Laffer, assignor to Universal Oil Products Company, Chicago, Ill. Production of aromatics. 2,401,649; June 4.
- Leffingwell, Wallace B.: *See*—
Wessner, Carl W., and Leffingwell.
- Le Flie, Sidney, San Francisco, Calif. Carcass hoist and landing device. 2,401,942; June 11.
- Lefren, Edward K., Port Ewen, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Charger for explosives. 2,405,507; Aug. 6.
- Leftwich, Robert F., Bronxville, N. Y. Cargo truck. 2,405,893; Aug. 13.
- Legatis, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,410,223; Oct. 29.
- Le Gloabec, Victor C. E., Rockland, Maine, assignor to Algin Corporation of America, New York, N. Y. Algin composition and preparation thereof. 2,400,834; May 21.
- Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for splicing rubberlike materials. 2,409,571; Oct. 15.
- Leguillon, Charles W., and C. P. Krupp, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Protective clothing. 2,409,367; Oct. 15.
- Leguillon, Charles W., and A. H. Krotz, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Track for self-laying track type vehicle. 2,409,502; Oct. 15.
- Lehane, Timothy J., and J. E. La Rocque, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Fluid pressure actuated modulating control means. 2,401,004; May 29.
- Lehde, Henry: *See*—
Libman, Earl E., and Lehde.
- Lehigh Valley Coal Sales Company, assignee: *See*—
Drummond, Andrew.
- Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,411,279; Nov. 19.
- Lehman, Edward H., Chicago, and G. E. Dath, Mokena, assignors to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,411,630; Nov. 26.
- Lehman, Max L., New York, N. Y. Garment. 2,412,522; Dec. 10.
- Lehman, Samuel K., Brooklyn, N. Y., and M. L. Taylor, Ridgewood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Deicer unloading valve. 2,405,362; Aug. 6.
- Lehman, Stanley, Madison, Wis. Fountain pen and ink eradicator. 2,393,111; Jan. 15.
- Lehman, Sylvester C., Jersey City, N. J. Method and apparatus for packaging food products. 2,392,395; Jan. 8.
- Lehmann, Gerard J., assignor to International Standard Electric Corporation, New York, N. Y. Radio receiving system. 2,412,994; Dec. 24.
- Lehmann, Karl F., Union, N. J., assignor to American Car Company, New York, N. Y. Transfer mechanism. 2,393,997; Feb. 5.
- Lehmberg, William H., Riverside, Conn., and E. L. Johnson, Port Chester, N. Y. Detachable sweatband. 2,411,831; Nov. 26.
- Lehner, Oscar, Brentwood, Pa. Dental deflasking mechanism. 2,394,921; Feb. 12.
- Lehnhard, Philip J., Tulsa, Okla., assignor to The Dow Chemical Company, Midland, Mich. Well packer. 2,399,125; Apr. 23.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,392,597; Jan. 8.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,399,047; Apr. 23.
- Leibe, Frank A.: *See*—
Stanley, William G., and Leibe.
- Leibe, Frank A., Quakertown, Pa., and W. A. Miner, Jr., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Automatic switch-over signal for telephones. 2,395,887; Mar. 5.
- Leible, Harry J., Philadelphia, Pa. Heated steering wheel cover. 2,392,539; Jan. 8.
- Leich Electric Company, assignee: *See*—
Blackhall, James M.
- Leifer, Charles L., Forest Hills, N. Y. Stacking delivery table for paper collating machines. 2,393,254; Jan. 22.
- Leigh, Douglas, Inc., assignee: *See*—
Kerwer, Fred.
- Leigh, Henry H.: *See*—
Demartini, Robert J., and Leigh.
- Leigh, Henry H., and G. E. Walter, Scotia, N. Y., assignors to General Electric Company. Control system. 2,404,641; July 23.
- Leigh, John S., Haddonfield, N. J., and A. Murdoch, Jr., Philadelphia, Pa., assignors to Radio Corporation of America. Signaling apparatus. 2,401,943; June 11.
- Leigh, Lougas, Inc., assignee: *See*—
Janson, Harry.
- Leigh, Robert L., Coopersville, Mich. Air duct control for heating systems. 2,397,672; Apr. 2.
- Leigh, Robert L., Grand Rapids, assignor to Air Control Products, Inc., Coopersville, Mich. Grille. 2,396,735; Mar. 19.
- Leigh, John W., Port Huron, Mich. Combined thread and rubber bearing. 2,400,238; May 14.
- Leighton, John W., Port Huron, Mich. Adjustable threaded connection. 2,404,076; July 16.
- Leijon, Gustav E.: *See*—
Röglund, Thure G., and Leijon.
- Leinweber, William H., Chicago, Ill. Fluid compressor. 2,406,229; Aug. 20.
- Leipold, Eugene, and B. G. Gami, Milwaukee, Wis. Apparatus for the manufacture of building blocks. 2,412,109; Dec. 24.
- Leiserson, Lee, Rochester, N. Y., assignor to Virginia Smelting Company, West Norfolk, Va. Agent for reducing the surface tension of liquids. 2,404,913; July 30.

- Leiss, Charles E., Meriden, Conn. Swingable closure fastener. 2,411,098; Nov. 12.
- Leitner, Arthur S., Los Angeles, Calif. Leakproof powder case. 2,410,585; Nov. 5.
- Le Jeune, Frank H., assignor to Hayes Industries, Inc., Jackson, Mich. Reinforced brake drum. 2,398,501; Apr. 16.
- Lektra Laboratories, Inc., assignee: *See*—Eisenberg, Ben.
- Leland, Alfred W., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Plow. 2,408,936; Oct. 8.
- Leland Electric Company, The, assignee: *See*—Moore, Thomas C.
- Leland-Gifford Company, assignee: *See*—Bishop, Benjamin S., Day, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator seal. 2,409,288; Oct. 15.
- Leland Stanford Junior University, The Board of Trustees of, assignee: *See*—Hansen, William W., and R. H. and S. F. Varian. Hansen, William W., and S. F. and R. H. Varian. Varian, Russell H., and Hansen. Varian, Russell H., Hansen, and Woodyard.
- Le Lande, Lester R., assignor to The American Glare Shield Co., Inc., Cincinnati, Ohio. Glare shield. 2,410,171; Oct. 29.
- Leimbitz, Joseph J., S. M. Martin, and J. G. Miller, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Stripping apparatus. 2,395,374; Feb. 19.
- Leming, Samuel W., Cincinnati, Ohio. Fastener. 2,397,278; Mar. 26.
- Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Light filter. 2,392,095; Jan. 1.
- Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge lamp. 2,403,184; July 2.
- Leomon, Norman E., Hammond, Ind., and D. W. Bransky and E. E. Langan, assignors to Standard Oil Company, Chicago, Ill. Preparation of sulphonic compounds. 2,403,185; July 2.
- Lemont, Clarence J., South Milwaukee, and A. J. Hoenacke, assignors to Line Material Company, Milwaukee, Wis. Pipe molding machine. 2,398,016; Apr. 9.
- Lemos, Manuel G., New York, N. Y. Convertible rocking chair. 2,407,839; Sept. 17.
- Le Moude Corset Company, assignee: *See*—Schubert, Minna R.
- Lempco Products, Inc., assignee: *See*—Blazek, John Y., and Sears.
- Lenahan, John E., New York, N. Y. Apparatus for handling recumbent persons. 2,404,734; July 23.
- Lenartowicz, Anthony: *See*—Lenartowicz, Michael J., and Anthony.
- Lenartowicz, Michael J., Detroit, and A. Lenartowicz, Mount Clemens, assignors to L. A. Young Spring & Wire Corporation, Detroit, Mich. Fabric feeding device. 2,393,786; Jan. 29.
- Lenderman, Homer S., Searcy, Ark. Two-wheeled handle guide tractor. 2,408,937; Oct. 8.
- Lenahan, Bernard E., Bloomfield, and G. J. Wey, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring instrument. 2,408,218; Sept. 24.
- Lenert, Joseph J.: *See*—Andrew, William K., and Lenert.
- Lenk, Kurt H., Bridgeport, Conn., and D. E. Priest, Southboro, assignors to Parker Manufacturing Company, Worcester, Mass. Pruner or like tool. 2,396,563; Mar. 12.
- Lennon, Harry D., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Part supplying device. 2,397,610; Apr. 2.
- Leno, John A., and W. J. Stray, London, W. C. 2, England, assignors to International Standard Electric Corporation, New York, N. Y. Electrical condenser housing. 2,397,551; Apr. 2.
- Lensner, Herbert W.: *See*—Bostwick, Myron A., and Lensner.
- Lehring, Arthur C., Lenox, and Goldsborough.
- Lensner, Herbert W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carrier-current relaying. 2,406,615; Aug. 27.
- Lensner, Herbert W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carrier-current protective relaying system. 2,406,616; Aug. 27.
- Lensner, Herbert W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay system. 2,406,617; Aug. 27.
- Leht, Donald E.: *See*—Budge, Edward D., Hunt, and Leht.
- Lenz, Hugh F., Los Angeles, Calif. Electrical connection. 2,394,618; Feb. 12.
- Lenz, Hugh F., Los Angeles, Calif. Indicating parallel rules. 2,394,619; Feb. 12.
- Lenz, Leo, New York, N. Y. Spread sheet. 2,397,967; Apr. 9.
- Lenz, Lionel C., assignor to Sam Pass, Chicago, Ill. Slip cover. 2,392,051; Jan. 1.
- Lenz, Lionel C., assignor to Sam Pass, Chicago, Ill. Slip cover. 2,393,543; Jan. 22.
- Leo, Herbert T., and C. C. Taylor, Anaheim, Calif. Preparing peactase. 2,406,840; Sept. 3.
- Leo, Herbert T., and C. C. Taylor, assignors to Mutual Citrus Products Co., Inc., Anaheim, Calif. Pectous material and preparing same. 2,392,854; Jan. 15.
- Leonmaster Tool Co., Inc., assignee: *See*—Caron, Ludger J.
- Leonard, Albert J., Los Angeles, Calif. Automatic lock. 2,412,779; Dec. 17.
- Leonard, Charles W., Pomona, Calif., deceased. A. L. Hickson, administrator. Nut huller. 2,397,021; Mar. 19.
- Leonard, James W., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulphamic acid. 2,409,572; Oct. 15.
- Leonard, John H., assignee, trustee: *See*—Herbst, George.
- Leonard, John T., Evanston, Ill. Lubricating apparatus. 2,399,277; Apr. 30.
- Leonard, Merrill G.: *See*—Forbes, Allan D., Leonard, and Halloran.
- Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inertia safety switch. 2,406,427; Aug. 27.
- Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Buoyancy control system. 2,409,135; Oct. 8.
- Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Buoyancy control device. 2,412,223; Dec. 10.
- Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Exhaust valve for torpedo exercise head. 2,412,224; Dec. 10.
- Leonard, Robert D., Aldan, Pa. Rotary indexing mechanism. 2,407,840; Sept. 17.
- Leonard, William E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Preparing metal for drawing operations. 2,394,620; Feb. 12.
- Le Page, Wilbur R., Pikesville, Md., assignor to Radio Corporation of America. Light source feed-back system. 2,411,440; Nov. 19.
- Le Page, Wynn L.: *See*—Platt, Haviland H., and Le Page.
- Lepka, Fred, Brecksville, Ohio, assignor to The American Steel and Wire Company of New Jersey. Molten metal seal for annealing furnaces. 2,401,170; May 28.
- Lepow, Edward, Philadelphia, Pa., assignor to Home Curtain Corporation, New York, N. Y. Curtain. 2,392,930; Jan. 15.
- Lepow, Edward, New York, assignor to Home Curtain Corporation, Far Rockaway, N. Y. Pleating curtain construction. 2,410,224; Oct. 29.
- Lepper, William J., New Orleans, La. Traffic signal. 2,401,171; May 28.
- Lerio Patent Cup Co., Inc., assignee: *See*—Leake, Armistead.
- Lerner, Samuel, Pawtucket, R. I. Slide rule. 2,403,382; July 2.
- Leroy, Everett R., New York, and G. L. Bush, Flushing, assignors to The Telegrapher Corporation, New York, N. Y. Telegraph receiving distributor system. 2,411,441; Nov. 19.
- Le Roy, Frank, assignor of one-half to J. D. Robinson, San Diego, Calif. Garment hanger. 2,407,841; Sept. 17.
- Lersch, Emil W., Turtle Creek, Pa. Gauge. 2,397,795; Apr. 2.
- Le Sage, Grover N., Kansas City, Mo. Dough degasser. 2,402,420; June 18.
- Lesavoy, Isadore L., Allentown, Pa. Book cover. 2,410,741; Nov. 5.
- Leschen, A., & Sons Rope Company, assignee: *See*—Michael, Irvin R.
- Lescher, George W., Garden City, and W. H. Steet, Roosevelt, N. Y., assignors to Republic Aviation Corporation. Manually operated arresting hook. 2,407,709; Sept. 17.
- Lescisin, George A.: *See*—Reber, William H., III, and Lescisin.
- Leslie, Arthur Y., Detroit, Mich. Signal balloon. 2,395,006; Feb. 19.
- Leslie, Freeman C., Chicago, Ill.; R. M. Leslie, executrix of said F. C. Leslie, deceased. Comforter. 2,402,648; June 25.
- Leslie, John H., II, Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Heating system. 2,403,186; July 2.
- Leslie, John H., II, Winnetka, assignor to Stewart Warner Corporation, Chicago, Ill. Pressure responsive micro-switch. 2,411,577; Nov. 26.
- Leslie, Leonard C., Northmead, Benoni, Transvaal, Union of South Africa. Release hook for aircraft and the like. 2,396,921; Mar. 19.
- Leslie, Roy W., Detroit, Mich. Milk bottle attachment. 2,406,696; Aug. 27.
- Leslie, Ruby M., executrix: *See*—Leslie, Freeman C.
- Leslie, Ruby M., Rockford, Ill. Comforter. 2,399,235; Apr. 30.

- Lesnick, Robert, Camden, N. J., assignor to Radio Corporation of America. Split-phase motor follow-up system. 2,411,608; Nov. 26.
- Lesnick, Robert N., Camden, N. J., assignor to Radio Corporation of America. Speed and acceleration response device. 2,403,605; July 9.
- Lessor, Julius, Chicago, Ill. Concealed garment pocket. 2,407,888; Sept. 17.
- Lessin, Maurice E., New York, N. Y., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tape dispenser. 2,409,217; Oct. 15.
- Lessman, Herbert F., Des Moines, Iowa. Loading machine. 2,396,107; Mar. 5.
- Lessmann, Gerhard P., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing construction. 2,409,874; Oct. 22.
- Lester, Betty L., assignee: See—
- Lester, William M., and Reisher.
- Lester, Charles T.: See—
- Lecher, Hans Z., Scalera, and Lester.
- Lester, Dudley R.: See—
- Barber, Ronald S. V., and Lester.
- Lester Engineering Company, assignee: See—
- Lester, Nathan.
- Schwartz, William H., and Lester.
- Lester, Nathan: See—
- Schwartz, William H., and Lester.
- Lester, Nathan, Cleveland Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Molding thermosetting material. 2,410,510; Nov. 5.
- Lester, Nathan, Cleveland Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Pressure extrusion molding. 2,411,999; Dec. 3.
- Lester, William M., Mountsinside, and L. Reisher, Garwood, assignors to B. L. and W. M. Lester, Westfield, N. J., co-partners doing business as The Pyro Plastics Company, Troy. 2,397,552; Apr. 2.
- Leslie, Edward, Attyville, N. Y. Indicating square. 2,397,280; Mar. 26.
- Le Tourneau, R. G., Inc., assignee: See—
- Akers, Richard L.
- Dubie, Orville L.
- Le Tourneau, Robert G.
- Le Tourneau, Robert G., and Akers.
- Lichtenberg, Erich H., and Webster.
- Peterson, Oscar R., and Hyler.
- Wyman, Floyd H., and Malik.
- Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., and Peoria, Ill. Scraper. Re. 2,278,83; Aug. 27.
- Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Self erecting crane. 2,394,314; Feb. 5.
- Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Automatic chuck. 2,394,861; Feb. 12.
- Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Power steering device for vehicle combination. 2,399,278; Apr. 30.
- Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Electric power steering mechanism. 2,400,868; May 28.
- Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Case hardening. 2,401,833; June 11.
- Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Scraper. 2,406,300; Aug. 20.
- Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Reciprocating pressure generator. 2,407,790; Sept. 17.
- Le Tourneau, Robert G., and R. L. Akers, Peoria, Ill., assignors to R. G. Le Tourneau, Inc., Stockton, Calif. Power steering mechanism for vehicles. 2,400,239; May 14.
- Letschert, Johan P., and L. Feldman, Chicago, Ill. Combination stretcher and invalid's reclining chair. 2,400,155; May 14.
- Letsinger, John H., and H. F. Foley, Fort Wayne, Ind., assignors to International Harvester Company. Synchronizing device. 2,410,511; Nov. 5.
- Lett, Julian T., assignee: See—
- Wiley, Lee M.
- Letzkus, Elwood W., Salem, Ohio. Tandem axle vehicle. 2,401,687; June 4.
- Leupold, Henry G., Cambridge, assignor to United Electric Controls Company, South Boston, Mass. Automatic circuit controller. 2,395,007; Feb. 19.
- Leupold, Henry G., Cambridge, assignor to United Electric Controls Company, South Boston, Mass. Pressure actuated electrical switch. 2,411,796; Nov. 26.
- Leuck, Gerald J., Evanston, Ill., assignor to Corn Products Refining Company, New York, N. Y. Polymerization of maltose. 2,400,423; May 14.
- Leitz, Oscar, Port Clinton, Ohio. Automatic gas pressure relief bottle. 2,411,216; Nov. 19.
- Levaggi, Albert P., Brockton, assignor to Robert Channing Company, East Bridgewater, Mass. Shoe tree. 2,409,973; Oct. 15.
- Levaggi, Victor J., Jr., Beverly, Mass., assignor to United Last Company, Portland, Maine. Last stand. 2,393,787; Jan. 29.
- Levaggi, Victor J., Jr., Beverly, Mass., assignor to United Last Company, Portland, Maine. Two-part collapsible last. 2,404,805; July 30.
- Levander, Oliver C.: See—
- Hunter, Lyle R., and Levander.
- Levere, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Presser foot mechanism for sewing machines. 2,408,523; Oct. 1.
- Lever Brothers Company, assignee: See—
- Andersen, Carl N.
- Bodman, John W.
- Peterson, William J.
- Penny, Thomas.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent light source. 2,392,161; Jan. 5.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent material. 2,402,757; June 25.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Device for and method of extinguishing phosphorescence. 2,402,758; June 25.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Manufacturing luminescent material. 2,402,759; June 25.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent material. 2,402,760; June 25.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Cathode ray tube system and operation. 2,402,761; June 25.
- Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Method and apparatus for portraying intelligence. 2,402,762; June 25.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent apparatus and developing luminescence. 2,403,227; July 2.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Apparatus for developing light. 2,404,077; July 16.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent material and manufacture. 2,409,374; Oct. 15.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Alkali halide screen and manufacture. 2,409,606; Oct. 15.
- Leverte, Robert J., Brooklyn, assignor to S. C. Miller, New York, N. Y. Automatic cutout for neon sign or like circuit. 2,413,327; Dec. 31.
- Le Vesconte, Harold J.: See—
- Christensen, Norman V., Le Vesconte, and Schweda.
- Le Vesconte, Harold J., Glendale, assignor to Adel Precision Products Corp., Burbank, Calif. Snap lock harness clip. 2,397,279; Mar. 26.
- Le Vesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,398,652; Apr. 16.
- Le Vesconte, Harold J., Western Springs, and M. L. Cook, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,412,894; Dec. 17.
- Levesque, Arthur H., North Attleboro, assignor to R. F. Simmons Company, Attleboro, Mass. Key holder. 2,400,424; May 14.
- Levey, Fred'k H., Co., Inc., assignee: See—
- Kroeger, John W., and O'Connor.
- Wilson, Mitchell.
- Levey, Harold A., assignor to A. C. Patterson, New Orleans, La. Smoke screen composition and developing smoke screens therefrom. 2,408,429; Oct. 1.
- Levey, Harold A., and A. C. Patterson, New Orleans, La.; said Levey assignor to said Patterson. Production of smoke screens. 2,396,710; Mar. 19.
- Levi, Ormonde S., Toledo, Ohio, and R. A. Hoyt, Auburn, Maine, assignors, by mesne assignments, to Wad-A-Ray Processing Company, Toledo, Ohio. Electric light bulb. 2,405,261; Aug. 6.
- Levin, Abraham J., Detroit, Mich. Ship or vessel. 2,406,084; Aug. 20.
- Levin, Abraham S., Philadelphia, Pa. Beverage dispensing apparatus. 2,395,932; Mar. 5.
- Levin, Carl A., and O. A. Lorenz, assignors to Teletype Corporation, Chicago, Ill. Plug separator. 2,409,289; Oct. 15.
- Levin, David, assignor to Chemical Concentrates Corp., Philadelphia, Pa. Fire extinguishing composition and making same. 2,405,438; Aug. 6.
- Levin, Ezra, Monticello, Ill. Treating cereal grain germ. Re. 2,274,8; Apr. 30.
- Levin, Nils D., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Clutch. 2,400,835; May 21.
- Levin, Nils D., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Mining loading machine. 2,413,508; Dec. 31.
- Levine, John, New York, N. Y. Toilet seat bumper. 2,401,257; May 28.
- Levine, John, Brooklyn, N. Y. Peanut roaster. 2,411,217; Nov. 19.
- Levine, Joseph: See—
- Wollner, Herbert J., Matchett, and Levine.

- Levine, Joseph, Brooklyn, N. Y., and R. E. Wells, Sheridan, Wyo. Device to aid teaching of automatic radio compass. 2,404,386; July 23.
- Levine, Maurice, New York, N. Y., assignor to James H. Rhodes & Company, Chicago, Ill. Scouring and cleansing device. 2,395,054; Feb. 19.
- Levine, William, Los Angeles, Calif. Recording camera. 2,406,152; Aug. 30.
- Levinston, Richard M., Baytown, Tex. Sign. 2,402,561; June 25.
- Levinson, Arthur A., and B. T. Malter, Chicago, and P. L. Julian, Maywood, Ill., assignors to The Glidden Company, Cleveland, Ohio. Canning soybeans and product. 2,400,123; May 14.
- Levinson, Benjamin; *See—*
Gooding, F. H., and Levinson.
- Levinson, Benjamin, East Paterson, assignor to The Okonite-Callerend Cable Company, Incorporated, Paterson, N. J. Buoyant electrode. 2,396,271; Mar. 12.
- Leviton, Abraham, Washington, D. C., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of riboflavin concentrates. 2,413,055; Dec. 24.
- Levitt, Benjamin A., Newark, N. J., assignor to A. L. Siegel Co. Inc., New York, N. Y. Rain protective garment. 2,408,667; Oct. 1.
- Levitt, Percy B.; *See—*
Morgan, John D., and Levitt.
- Levkoff, David, Brooklyn, assignor of one-fourth to E. G. Levkoff, one-fourth to H. S. Levkoff, and one-fourth to E. R. Levkoff, Great Neck, N. Y. Folding box. 2,401,944; June 11.
- Levkoff, Edith R., assignee, et al.; *See—*
Levkoff, David.
- Levkoff, Evelyn G., assignee, et al.; *See—*
Levkoff, David.
- Levkoff, Henry S., assignee, et al.; *See—*
Levkoff, David.
- Levy, Cyril C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,399,363; Apr. 30.
- Levy, Harvey R., assignee; *See—*
Sauer, Urban.
- Levy, Jerome B., assignor to Titeflex, Inc., Newark, N. J. Portable water purification and filtration unit. 2,404,997; July 30.
- Levy, Maurice M., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Secret transmission system. 2,406,841; Sept. 3.
- Levy, Maurice M., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Amplifier of electromagnetic energy. 2,412,995; Dec. 24.
- Levy, Maurice M., and T. W. Elliott, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for generating and observing electric pulses. 2,412,996; Dec. 24.
- Levy, Norman, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of nitro-paraffins. 2,394,215; Feb. 5.
- Levy, René L., Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland. Hydraulic braking system for vehicles. 2,402,115; June 11.
- Levy, René L., Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Front strut for tricycle landing gears. 2,403,383; July 2.
- Levy, René L., Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland. Self-cooling wheel. 2,406,303; Aug. 20.
- Levy, René L., Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Device and system for the braking of vehicles. 2,406,304; Aug. 20.
- Levy, William B., Wilmington, Del. Furnace door operating mechanism. 2,394,922; Feb. 12.
- Levyn, Joseph I., Brooklyn, assignor to Jilko Service Products, New York, N. Y. Decorative bar pin. 2,413,056; Dec. 24.
- Lew, Fincum, Preston, Victoria, Australia. Cautery instrument for use in nasal surgery. 2,235,631; Feb. 26.
- Lewl Manufacturing Co. Inc., assignee; *See—*
Novick, Abe.
- Lewis, Amelia A., Ridgewood, N. J. Device to prevent the human bladder from spilling over while asleep and to correct the bed wetting habit. 2,396,516; Mar. 12.
- Lewis, Arthur P., Fairhaven, Mass., assignor to United States Rubber Company, New York, N. Y. Twisting of strands to form ply constructions. 2,400,697; May 21.
- Lewis, Benjamin F.; *See—*
Goodale, Walter D. Jr., Lewis, and Martin.
- Lewis, Charles, New York, N. Y. Comb. 2,410,086; Oct. 29.
- Lewis, Charles T., Oklahoma City, Okla. Line for safety belts. 2,412,895; Dec. 17.
- Lewis, Ernest E., Lyndhurst, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Depolymerization of polymeric tetrafluoroethylene. 2,406,153; Aug. 20.
- Lewis, Elton R., Roselle Park, and C. L. Read, Westfield, N. J., assignors, by mesne assignments, to Standard Catalytic Company. Production of aromatic hydrocarbons from petroleum. 2,392,749; Jan. 8.
- Lewis, Evan G.; *See—*
Barker, Lyle M., and Lewis.
- Lewis, Frank M., Weston, Mass. Shaft restraining device. 2,395,888; Mar. 5.
- Lewis, Frank M., Weston, Mass., assignor to General Machinery Corporation, Hamilton, Ohio. Strain relieving and dephasing stop means for free piston engines. 2,444,031; Oct. 15.
- Lewis, Frank M., White Cloud, Mich. Dual wheel drive mechanism. 2,397,673; Apr. 2.
- Lewis, Frank M., White Cloud, Mich. Motor vehicle wheel mechanism. 2,401,488; June 4.
- Lewis, Harlow, Provincetown, Mass. System of building construction. 2,405,584; Aug. 13.
- Lewis, Harold L., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Painting machine. 2,401,431; June 4.
- Lewis, Harold M., Allenhurst, N. J., assignor to Hazeltine Corporation. Wave-signal direction finder. 2,397,746; Apr. 2.
- Lewis, Harold M., Allenhurst, N. J., assignor, by mesne assignments, to Rescator, Inc., Chicago, Ill. System for determining the position of an object in space. 2,406,953; Sept. 3.
- Lewis, Harry F., Appleton, Wis., assignor, by mesne assignments, to The Pacific Lumber Company, San Francisco, Calif. Molding powder and making the same. 2,392,162; Jan. 1.
- Lewis, Harry F., Appleton, Wis., assignor, by mesne assignments, to The Pacific Lumber Company, San Francisco, Calif. Molding powder and making the same. 2,392,163; Jan. 1.
- Lewis, Henry M., assignor of fifty per cent to G. B. Herring, Canton, Miss. Starter adapter terminal. 2,407,611; Sept. 10.
- Lewis, Howard B., and G. M. Larson, assignors to Kirkhill, Inc., Los Angeles, Calif. Faucet strainer. 2,395,227; Feb. 19.
- Lewis, Irvin, Variable Stitch Machine Co., assignee; *See—*
Popper, Max.
- Lewis, Jacob D., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Electric motor. 2,403,665; July 9.
- Lewis, Jacob D., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Electric motor and control system for motors. 2,406,781; Sept. 3.
- Lewis, Jacob D., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Motor control system. 2,406,782; Sept. 3.
- Lewis, James E., Corry, Pa., assignor to Associated Spring Corporation, Bristol, Conn. Roller bearing retainer. 2,404,642; July 23.
- Lewis, James O., Houston, assignor, by direct and mesne assignments, of one-half to E. C. Will and one-sixteenth to E. B. Hous, Corpus Christi, Tex. Well flowing apparatus. 2,403,987; July 16.
- Lewis, Joseph H.; *See—*
Ingout, Robert J. A., and Lewis.
- Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,409,051; Oct. 8.
- Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,409,696; Oct. 22.
- Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Transmitting apparatus for remote control systems. 2,409,697; Oct. 22.
- Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Selecting apparatus for remote-control systems. 2,409,698; Oct. 22.
- Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Counting relay signaling apparatus. 2,413,110; Dec. 24.
- Lewis, Ralph W., assignor to Michigan State Board of Agriculture, East Lansing, Mich. Suspension for use in inoculating plants with ergot. 2,402,902; June 25.
- Lewis, Richard C., Chicago, Ill. Educational toy. 2,395,129; Feb. 19.
- Lewis, Robert, assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Independently sprung axle construction. 2,402,562; June 25.
- Lewis, Sally E., Chestnut Hill, Mass. Curtain set. 2,392,598; Jan. 8.
- Lewis-Shepard Company, assignee; *See—*
Hastings, Russell Jr.
- Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Overhead trolley system and frog. 2,393,388; Jan. 22.
- Lewis, Warren J., and J. H. Sanford, assignors to The Ohio Brass Company, Mansfield, Ohio. Current collector. 2,411,797; Nov. 26.
- Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector mounting means. 2,412,052; Dec. 3.
- Lewis, William F., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of thiourea. 2,393,917; Jan. 29.
- Lewis, William H., Altadena, Calif. Mixer. 2,403,536; July 9.

- Lewis, William H., Cwmlyntell, Swansea, South Wales. Stud or protector for boots and shoes. 2,403,663; Oct. 1.
- Lewis, William L.: *See*—
Watson, Arthur K., Lewis, and Walsh.
- Lewis, William T.: *See*—
Matthe, William H., Jr., and Lewis.
- Lewison, Lawrence M., Sioux Rapids, Iowa. Tractor hitch. 2,399,364; Apr. 30.
- Leyer, Albert, Rieden, near Baden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Regulating device for pressure fluid controlled prime movers. 2,404,968; July 30.
- Leyshon, William E., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent glow lamp. 2,409,769; Oct. 22.
- Libbey-Owens-Ford Glass Company, assignee: *See*—
Boicey, James H.
Brown, Wilbur F.
Colbert, William H.
Colbert, William H., and Morgan.
Colbert, William H., and Weinrich.
Crowley, Joseph P.
Drake, John L., and Watkins.
Jones, John L.
Meyer, Leonard S.
Mook, Glenn C., and Ricker.
Murray, John A., and Metzger.
Orser, Horace G., and Crowley.
Putnam, Erie T.
Rodman, Frank A.
Ryan, Joseph D.
Ryan, Joseph D., and Zolman.
Simons, John K.
Simons, John K., and Weaver.
Watkins, George B., and Schafer.
Weinrich, Arthur R.
- Liber, Walter F., Meriden, Conn. Eye plate attachment for coiled springs. 2,400,425; May 14.
- Libman, Earl E., and H. Liehe, assignors to Control Instrument Company, Inc., Brooklyn, N. Y. Measuring device. 2,398,904; Apr. 23.
- Libman, Earl E., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Fire control system. 2,413,573; Dec. 31.
- Librascope, Incorporated, assignee: *See*—
Ima, Lewis W.
- Licht, Anna, New York, N. Y. Brassiere. Re. 22,771; July 16.
- Lichtenberg, Eric H., assignor to Koehring Company, Milwaukee, Wis. 2,395,334; Feb. 19.
- Lichtenberg, Erich H., Milwaukee, Wis., and P. S. Webster; said Webster assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Self-loading scraper. 2,411,280; Nov. 19.
- Lichtenstein, Hans J.: *See*—
Tuerck, Karl H. W., and Lichtenstein.
- Lichtig, Jack G., assignee, et al.: *See*—
Hiller, Abe.
- Lichter, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Nitriles and making the same. 2,394,520; Feb. 5.
- Lichter, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Producing trichloropropionic acid. 2,400,463; May 14.
- Lichter, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Producing methyl-beta-chloroacrylate. 2,400,464; May 14.
- Lichter, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Compounds. 2,405,894; Aug. 13.
- Liddicoat, Percell, Niagara-on-the-Lake, Ontario, Canada. Process and apparatus for making detachable drill bits. 2,401,834; June 11.
- Liddington, Stanley J., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical machine. 2,404,969; July 30.
- Liden, Ake, Stockholm, and O. Malmberg, Sundbyberg, near Stockholm, assignors to Svenska Diamantbergrörnings Aktiebolaget, Stockholm, Sweden. Setting diamonds or other abrasive. 2,396,015; Mar. 5.
- Lidin, Sigfrid E., Traneberg, assignor to Aktiebolaget Atvidabergs Industrier, Atvidaberg, Sweden. Double window pivoted on horizontal pivots. 2,395,017; Apr. 9.
- Liebel-Flarsheim Company, The, assignee: *See*—
Gierlinger, Carl K.
- Lieber, Eugene: *See*—
Miller, Pharis, and Lieber.
Young, David W., and Lieber.
- Lieber, Eugene, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Lubricant containing condensation product. 2,406,549; Aug. 27.
- Lieber, Eugene, West New Brighton, N. Y., assignor to Standard Oil Development Company. Condensation products and preparing and using same. 2,410,885; Nov. 12.
- Lieber, Eugene, West New Brighton, N. Y., assignor to Standard Oil Development Company. Condensation product and preparing and using same. 2,412,889; Dec. 17.
- Lieber, Eugene, West New Brighton, Staten Island, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricant additives and preparation thereof. 2,404,446; July 23.
- Lieber, Eugene, Staten Island, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Mineral oil lubricating composition. 2,407,087; Sept. 3.
- Lieber, Eugene, West New Brighton, Staten Island, and M. E. Thorne, Brooklyn, N. Y., assignors to Standard Oil Development Company. Condensation products and preparing same. 2,411,578; Nov. 26.
- Lieber, Eugene, New York, N. Y., and M. E. Thorne, Corpus Christi, Tex., assignors to Standard Oil Development Company. Condensation product and preparing and using same. 2,411,579; Nov. 26.
- Lieberherr, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Combustion chamber for internal-combustion engines. 2,413,359; Dec. 31.
- Liebert, Margaret K., assignee: *See*—
Field, Patrick H.
- Lieblein, Chaim, Brooklyn, N. Y. Detachable screw-cutting disk and tool shank. 2,408,565; Oct. 1.
- Liebmann, Gerhard, assignor to Cathodion Limited, Cambridge, England. Screening of amplifying valves. 2,440,011; May 7.
- Liedholm, George E.: *See*—
McMillan, Frank M., and Liedholm.
- Liedholm, George E., Long Beach, and F. M. McMillan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of toluol. 2,392,330; Jan. 8.
- Liehe, Hubert J.: *See*—
Brunstrum, Lawrence C., and Liehe.
- Liehe, Hubert J., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Greases. 2,394,790; Feb. 12.
- Lien, Arthur P.: *See*—
Evering, Bernard L., and Lien.
- Lien, Arthur P., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Etherification process. 2,399,126; Apr. 23.
- Lien, Arthur P., and B. H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Conversion of alkylated aromatic hydrocarbons. 2,397,495; Apr. 2.
- Lien, Arthur P., Whiting, Ind., and E. L. d'Ouville, assignors to Standard Oil Company, Chicago, Ill. Aluminum chloride conversion system. 2,410,886; Nov. 12.
- Lien, Elvin B., Berkeley, assignor to Union Oil Company of California, Los Angeles, Calif. Lithium greases. 2,403,104; July 2.
- Lifschutz, Harold, Washington, D. C., now by judicial change of name Harold Lyons, D. C., now by judicial sweep patterns. 2,402,168; June 18.
- Lifschutz, Harold, Washington, D. C., now by judicial change of name Harold Lyons, D. C., now by judicial change of name Harold Lyons. Double pulse oscillator. 2,402,169; June 18.
- Light Control, Inc., assignee: *See*—
Adair, Lallance A.
- Light, David M., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,392,599; Jan. 8.
- Light, David M., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,394,082; Feb. 5.
- Light, David M., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,398,749; Apr. 16.
- Light, David M., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,398,750; Apr. 16.
- Light, David M., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,398,751; Apr. 16.
- Light, David M., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,399,048; Apr. 23.
- Light, David M., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,402,502; June 18.
- Light, David M., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,413,458; Dec. 31.
- Light, George G., Kew Gardens, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph exchange system. 2,400,124; May 14.
- Light, George G., Kew Gardens, and E. J. Agnew, Brooklyn, N. Y., and G. W. Janson, Nutley, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Supervisory apparatus for telegraph systems. 2,397,553; Apr. 2.
- Light, George S., Winsted, Conn. Hydraulic device. 2,396,052; Mar. 5.
- Light, George S., Winsted, Conn. Hydraulic valve. 2,398,542; Apr. 16.
- Lighbown, Irving E.: *See*—
Brown, John E., Jr., and Lighbown.
- Lighbown, Irving E., Roselle, N. J., and N. S. Beekley, Jr., Baton Rouge, La., assignor, by mesne assignments, to Jasco, Incorporated. Hydrocarbon softened olefinic polymer. 2,392,855; Jan. 15.
- Lichter, Stephen, Milwaukee, Wis. Carton. 2,395,558; Feb. 26.
- Lightfoot, Edwin N., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control for electric heaters operating in unenclosed space. 2,396,183; Mar. 5.
- Lightfoot, Francis M., Los Angeles, Calif. Article dispenser. 2,394,621; Feb. 12.

- Lighton, Lester E., Glenside, Pa., assignor to The Electric Storage Battery Company. Heat transfer construction for electrolytic cells. 2,410,952; Nov. 12.
- Lilimatainen, Toivo M., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,411,046; Nov. 12.
- Likel, Harry C., Brooklyn, N. Y. Peak voltage indicator and regulator. 2,403,988; July 16.
- Likel, Harry C., Brooklyn, assignor to Postal Telegraph-Cable Company (New York), New York, N. Y. Peak voltage indicator and regulator. 2,392,396; Jan. 8.
- Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Condition control. 2,409,136; Oct. 8.
- Lilja, Oscar G., Rockford, Ill. Butt welding machine. 2,401,359; June 4.
- Lill, James E., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Winch brake. 2,397,186; Mar. 26.
- Lill, James E., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Tractor sprocket drive. 2,406,230; Aug. 20.
- Lilquist, Torsten O.: *See—*
Dilworth, Richard M., Lilquist, and Queeney.
- Lilquist, Torsten O., Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich. Generating electric drive and control system. 2,403,933; July 16.
- Lilly, E.H., and Company, assignee: *See—*
Jones, Reuben G.
Kharasch, Morris S.
Kharasch, Morris S., and Fuchs.
Miller, Henry C.
- Lily-Tulip Cup Corporation, assignee: *See—*
Reifsnnyder, James D., and Miller.
- Lima, Hector C., Habana, Cuba. Carrier for revolver loaders. 2,396,184; Mar. 5.
- Lima, Hector C., Habana, Cuba. Loader for revolvers. 2,406,231; Aug. 20.
- Lima, Hector C., Habana, Cuba. Loader for revolvers. 2,406,232; Aug. 20.
- Limbach, Alex., Carmel, N. Y. Atomizer. 2,392,600; Jan. 8.
- Limbach, Alex., Carmel, N. Y. Adjustable dispensing closure. 2,393,255; Jan. 22.
- Limbach, Alex., Carmel, N. Y. Dispensing closure. 2,393,256; Jan. 22.
- Linch, Adrian L.: *See—*
Downing, F. B., and Linch.
- Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetra alkyl leads. 2,407,262; Sept. 10.
- Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetraalkyl leads. 2,407,263; Sept. 10.
- Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetraalkyl leads. 2,407,307; Sept. 10.
- Lincoln, Bert H., and G. D. Byrkit, Ponca City, Okla., assignors, by mesne assignments, to Soccony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oil. 2,395,889; Mar. 5.
- Lincoln Electric Company, The, assignee: *See—*
Landis, George G.
Stringham, Leonidas K.
- Lincoln Engineering Company, assignee: *See—*
Fox, Alexander P., Rotter, and Klein.
Klein, Victor G.
Reisert, August D., and Rotter.
Rotter, Lutwin.
Rotter, Lutwin C., and Klein.
Smith, Kave A.
- Lincoln, James, and J. G. N. Drewitt, assignors to British Celanese Limited, London, England. Production of ketonolols. 2,395,414; Feb. 26.
- Lincoln, John D., assignor to Virginia-Lincoln Corporation, Marion, Va. Joint construction. 2,406,697; Aug. 27.
- Lincoln, Roland L., Dover, assignor to B. F. Sturtevant Company, Boston, Mass. Dust collector system. 2,393,112; Jan. 15.
- Lincoln, Roland L., Dover, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Dust collector. 2,397,022; Mar. 19.
- Lincoln, Roland L., Dover, assignor to B. F. Sturtevant Company, Boston, Mass. Dust collector. 2,398,233; Apr. 9.
- Lincoln, Roland L., Dover, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Fan. 2,400,240; May 14.
- Lincoln, Rush A., Tarentum, Pa., assignor to Allegheny Ludlum Steel Corporation. Hollow valve for internal-combustion engine. 2,407,561; Sept. 10.
- Lind, James A., Chicago, Ill. Fish lure. 2,397,968; Apr. 9.
- Lind, Otto, Dusseldorf, Germany, assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,396,278; Mar. 12.
- Linda, Frank R.: *See—*
Geimer, William J., and Linda.
- Lindabury, Glenn A., et al., assignee: *See—*
Farrell, Frank J.
- Lindabury, H. R., and Sons: *See—*
Farrell, Frank J.
- Lindabury, Martin, et al., assignee: *See—*
Farrell, Frank J.
- Lindberg, Carl A., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner. 2,400,558; May 21.
- Lindberg, Le Roy J., Wanamassa, N. J. Electric heating device for soldering irons. 2,411,549; Nov. 26.
- Lindberg Engineering Company, assignee: *See—*
Lang, Karl A.
- Lindblad, George L., Chicago, Ill. Facial cleaner. 2,408,860; Oct. 8.
- Lindblom, Lawrence J., San Francisco, Calif. Boat loading device. 2,412,162; Dec. 3.
- Linde Air Products Company, The, assignee: *See—*
Aitchison, Robert B.
Bucknam, James H., Meincke, and Young.
Bristol, Gaylord T.
Burch, Charles J.
Clapp, Edwin A., and Spangberg.
Clapsdale, Leo J., Kratzer, and Sommer.
Dana, Leo I.
Fowle, John M., and Kennedy.
Hansen, Oid A.
Hoffman, James A.
Hoffman, James A., Oldham, and Jacobsson.
Jacobsson, Wilgot J., Hoffman, and Oldham.
Kennedy, Harry E.
Linden, Walter R. G.
Lytle, Arthur R., and Morton.
Scherl, Egon B.
Shorter, Albert E.
Smith, George H.
- Lindemann, Robert E.: *See—*
Freeman, Walter B., and Lindemann.
- Lindemuth, Lewis B., Port Washington, assignor to Steel Ingot Production, Inc., New York, N. Y. Checker for open hearth regenerative furnaces. 2,405,363; Aug. 6.
- Linden, Carl E., Norwood, and R. H. McClellan, Hamilton, assignors to The Fostick Machine Tool Company, Cincinnati, Ohio. Hydraulic operating and control mechanism. 2,393,918; Jan. 29.
- Linden, Carlyle M.: *See—*
Clark, Joseph L., Linden, and Obert.
- Linden, John P., Toronto, Ontario, Canada. Cultivating tool. 2,400,241; May 14.
- Linden, Walter R., Palisades Park, N. J., assignor to The Linde Air Products Company. Heating backing-up strip for sheet metal welding. 2,399,646; May 7.
- Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 2,400,867; May 21.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Tunable resonator. 2,401,489; June 4.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency change detector system. 2,402,421; June 18.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Commutator apparatus. 2,402,422; June 18.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse transmission system. 2,403,726; July 9.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse transmission system. 2,411,140; Nov. 12.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Voltage transformer. 2,412,345; Dec. 10.
- Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. Frequency multiplier. 2,401,945; June 11.
- Linderoth, Erik T., Enkoping, Sweden. Brushing and cleaning apparatus for carpets and the like. 2,396,861; Mar. 19.
- Linderoth, Erik T., Enkoping, Sweden. Vacuum cleaner. 2,396,862; Mar. 19.
- Linderoth, Erik T., Enkoping, Sweden. Brushing apparatus. 2,403,105; July 2.
- Linderoth, Lambert S., Jr.: *See—*
Hart, Fred V., Smith, and Linderoth.
- Lindgren, Gust., Youngstown, Ohio. Toy vehicle. 2,404,506; July 23.
- Lindgren, Henry W.: *See—*
Jordan, Warren D., and Lindgren.
- Lindgren, Karl O., Djursholm, assignor to Aktiebolaget A. Ekströms Maskinaffär, Stockholm, Sweden, and N. W. Johnsons, Lidköping, Sweden. Device for sorting, debarking, or washing of suspensions of fibrous materials. 2,406,618; Aug. 27.
- Lindh, Gunnar C. T.: *See—*
High, Le Roy B., and Lindh.

- Lindkvist, Knut V., assignor to Aktiebolaget Vibro-Betong, Stockholm, Sweden. Apparatus for molding concrete. 2,407,168; Sept. 3.
- Lindquist, Arthur W., assignee: *See*—Schroeder, Herman O., and Lindquist.
- Lindquist, Olof V., Larchmont, assignor to J. K. Smit & Sons, Inc., New York, N. Y. Diamond drill bit. 2,401,087; May 28.
- Lindqvist, Olof V., and F. D. Martin, assignors to Koebel Diamond Tool Company, Detroit, Mich. Diamond tool and making the same. 2,410,512; Nov. 5.
- Lindsay, Alexander R., Detroit, Mich., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Splash guard for vehicles, especially trucks. 2,405,262; Aug. 6.
- Lindsay, Allan: *See*—Lubbock, Isaac, Gollin, Lindsay, and Poole.
- Lindsay, Allen R., Cleveland Heights, Ohio. Electrolytic stencil. 2,405,508; Aug. 6.
- Lindsay, Charles H., Evanston, assignor to Lindsay & Linsday, Chicago, Ill. Prefabricated building structure. 2,394,702; Feb. 12.
- Lindsay, Charles H., and A. E. Weaver, assignors to American-LaFrance-Foamite Corporation, Elmira, N. Y. Aircraft fire-extinguishing system. 2,399,553; Apr. 30.
- Lindsay, Fred H.: *See*—Landers, Alton D., and Lindsay.
- Lindsay, Harold W., Oakland, Calif., assignor to the Government of the United States as represented by the Director of the Office of Scientific Research and Development, Office for Emergency Management. Furnace control system. 2,410,884; Oct. 29.
- Lindsay, John H., and S. Reso, assignors to Universal Tobacco Machine Co., Inc., Jacksonville, Fla. Cigar punching machine. 2,407,931; Sept. 17.
- Lindsay & Linsday, assignee: *See*—Lindsay, Charles H.
- Linsday, Henry A. D., U. S. Army, Hickam Field, Honolulu, Hawaii. Submarine detector. 2,404,806; July 30.
- Linsday, Richard V., Jr.: *See*—Hill, Julian W., Linsday, and Wiley.
- Linsday, Roy B., Phoenix, and G. Frock, Glendale, assignors of one-third to H. J. Mauler, Phoenix, Ariz. Aircraft and machine gun mount. 2,397,747; Apr. 2.
- Linsday, William H.: *See*—Clark, Thomas, and Linsday.
- Linsdskog, Sefrid J., Los Angeles, Calif. Lawn renovating machine. 2,400,204; May 14.
- Linsdson, Ernest H., South Pasadena, Calif. Outlet box support. 2,399,491; Apr. 30.
- Lindstrom, Thor G., Seattle, Wash. Building construction. 2,403,934; July 16.
- Lindstrom, Ture, Edgewood, Pa., and J. W. May, Durham, N. C., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,401,005; May 28.
- Line Material Company, assignee: *See*—Brown, Chester W.
- Kyle, William D.
- Lemont, Clarence J., and Hoynacke.
- Mayberry, Walter R.
- Nelson, Roland D.
- Schultz, William O.
- Schultz, William O., and Steinmayer.
- Steinmayer, Alvin G.
- Steinmayer, Alvin G., and Schultz.
- Trogner, Arthur M.
- Wiegand, David E.
- Woolfolk, Arthur R.
- Lines, Carl H., assignor to Stant Manufacturing Company, Connerville, Ind. Radiator pressure cap. 2,406,502; Aug. 27.
- Linford, Hooper, Manhattan Beach, and W. J. Baral, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif. Water-insoluble soaps. 2,411,832; Nov. 26.
- Lingel, Frederick J., assignor to R. L. Triplett, Bluffton, Ohio. Frequency meter. 2,403,809; July 9.
- Lingler, Shirley F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of chloronitroalkanes. 2,397,358; Mar. 26.
- Linick, Edward: *See*—Linick, Max and E.
- Linick, Max and E., New York, N. Y. Mitten. 2,411,926; Dec. 3.
- Linninger, Herbert N., San Francisco, Calif. Electrode holder. 2,395,228; Feb. 19.
- Link Aviation Devices, Inc., assignee: *See*—Kittridge, Raymond E.
- Link-Belt Company, assignee: *See*—Keller, Henry G.
- Schradner, Herbert E.
- Suman, Robert W.
- Link, Edwin A., Binghamton, N. Y. Navigation instrument, including a horizon attachment. 2,395,559; Feb. 26.
- Link, Edwin A., Binghamton, N. Y. Star globe. 2,399,365; Apr. 30.
- Link, Edwin A., Binghamton, N. Y. Sectional canoe or the like. 2,406,085; Aug. 20.
- Link Engineering Company, assignee: *See*—Doll, Frank A.
- Link, Harold A., assignee: *See*—Link, Oscar E.
- Link, Harry W., Merion, Pa., assignor to The Baldwin Locomotive Works. Storage motion follow-up mechanism. 2,403,935; July 16.
- Link, Oscar E., Woodstock, Ill., assignor of one-third to H. A. Link, Rochester, Ind. Stud and bolt-cleaning brush. 2,404,507; July 23.
- Linkletter, Harry: *See*—Wyrmszus, Paul, and Linkletter.
- Linley, Anthony and A. Torry, Sheffield, England. Manufacture of permanent magnets. 2,398,018; Apr. 9.
- Linslor, William L., Schenectady, N. Y., assignor to General Electric Company. Magnetic structure. 2,398,653; Apr. 10.
- Linn, Carl B.: *See*—Grosse, Aristid V., and Linn.
- Linn, Carl B., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of isoparaffinic hydrocarbons. 2,398,905; Apr. 23.
- Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of isoparaffinic hydrocarbons. 2,406,086; Aug. 20.
- Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of isoparaffinic hydrocarbons. 2,406,954; Sept. 3.
- Linn, Carl B., Riverside, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatics. 2,411,047; Nov. 12.
- Linn, Norman F., Mountaineer, N. J., assignor to Standard Oil Development Company. Dehydrogenation of hydrocarbons. 2,392,750; Jan. 8.
- Linn, Norman F., Mountaineer, N. J., assignor to Standard Oil Development Company. Producing toluene. 2,405,660; Aug. 13.
- Linnert, Theodore G., Philadelphia, Pa., assignor to The Bud Company, Philadelphia, Pa. Airplane control surface locking means. 2,406,233; Aug. 20.
- Linor, William and Machinery Limited, assignee: *See*—Rowlands, Tom.
- Linscott, Leroy N., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Loom. 2,408,861; Oct. 8.
- Linsday, Elton A.: *See*—Mills, Erwin S., and Linsday.
- Linsday, Elton A., Willoughby, Ohio, assignor to General Electric Company. Lamp holder. 2,392,164; Jan. 1.
- Lintz, Mark, San Francisco, Calif. Surface active agents. 2,394,083; Feb. 5.
- Linville, Thomas M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,409,503; Oct. 15.
- Litz, Arthur, assignor to Climax Molybdenum Company, New York, N. Y. Metallurgy. 2,399,747; May 7.
- Linzell, Harry K., Ingleside, assignor to United States Gypsum Company, Chicago, Ill. Producing a variegated surface on fiberboard. 2,395,375; Feb. 19.
- Linzell, Harry K., Long Lake, Ill., assignor to United States Gypsum Company, Chicago, Ill. Producing variegated pressed fiberboard. 2,402,966; July 2.
- Lion Oil Company, assignee: *See*—Engelke, Ernest F., and Odell.
- Holberg, Arnold J., Ware, and Wilch.
- Odell, William W.
- Lionel Corporation, assignee: *See*—Bonanno, Joseph L.
- Lionel Corporation, The, assignee: *See*—Caruso, Mario.
- Lipe-Rollway Corporation, assignee: *See*—Jarret, George T.
- Killam, Rudolph R.
- Spase, Charles B.
- Lipfert, Donald E., Meriden, assignor to Chandler-Evans Corporation, South Meriden, Conn. Charge forming device. 2,403,866; July 9.
- Lipfert, Donald E., Meriden, assignor to Chandler-Evans Corporation, South Meriden, Conn. Flowmeter. 2,403,867; July 9.
- Lipfert, Vincent, assignor to Burgess Battery Company, Freeport, Ill. Dry cell. 2,399,127; Apr. 23.
- Lipkin, Moses R., assignor to Sun Oil Company, Philadelphia, Pa. Separation of hydrocarbons. 2,398,101; Apr. 9.
- Lipp, James C., assignee: *See*—Hale, William J.
- Lipp, Rudolf Wilhelm, Berlin-Pankow, Germany; vested in the Alien Property Custodian. Cutting frame for dividing apparatus. 2,396,584; Mar. 12.
- Lipp, Rudolf W., Berlin-Pankow, Germany; vested in the Alien Property Custodian. Tool guiding device. 2,409,290; Oct. 15.
- Lippincott, Joshua G., Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc. Flashlight construction. 2,404,735; July 23.
- Lippincott, Wells A., Evanston, assignor to Ideal Roller & Manufacturing Company, Chicago, Ill. Accumulator. 2,397,796; Apr. 2.
- Lippmann, Daniel C., Glenbrook, Conn., assignor to Celanese Corporation of America. Belt. 2,396,329; Mar. 12.
- Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Wilmington, Del. Article transferring mechanism. 2,393,389; Jan. 22.

- Lipson, Edward, Houston, Tex. Soil analysis by radiant energy. 2,394,703; Feb. 12.
- Liptak, John P., Maple Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Benzol scrubber. 2,413,238; Dec. 24.
- Liptay, John M., Scarsdale, and A. Restivo, Jamaica, assignors to Hospital Furniture Corporation, Long Island City, N. Y. Body splint stretcher. 2,400,426; May 14.
- Lipton, Morris, Rutherford, N. J., assignor to Sun Chemical Corporation. Combined printing press and conveyor means. 2,409,368; Oct. 15.
- Liquid Carbonic Canadian Corporation Limited, assignee: See—
- Jamieson, Marcel, and Tremblay.
- Liquidometer Corporation, The, assignee: See—
- De Giers, Clarence A.
- Liska, John W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Multiple chamber fluid container. 2,404,578; Feb. 23.
- Liska, John W., Stow, and F. S. Grover, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Bending modulus test apparatus. 2,404,584; July 23.
- Lisota, Edward, Patterson, Calif. Vehicle bed unloading device. 2,408,862; Oct. 8.
- Lisota, Edward, Patterson, Calif. Baled hay elevator. 2,408,863; Oct. 8.
- Lissa, Gus A., Billings, Mont., assignor to United States Gypsum Company, Chicago, Ill. Folding or creasing device. 2,400,698; May 21.
- List, Heinrich, Berlin-Kladow, Germany; vested in the Alien Property Custodian. Production of high impulses of energy. 2,394,316; Feb. 5.
- List, Roland, and A. Flynn, Zanesville, Ohio, assignors to The Mosaic Tile Company. Mechanically-actuated press for trim tile. 2,406,619; Aug. 27.
- Lithomat Corporation, assignee: See—
- Mullen, William G.
- Litman, Morris, Springfield, Mass. Measuring tool. 2,395,130; Feb. 19.
- Little, Alfred E., assignor to Ditto, Incorporated, Chicago, Ill. Feeder tray for duplicating apparatus. 2,398,315; Apr. 9.
- Little, Arthur D., Inc., assignee: See—
- Avery, Julian M., and Marek.
- Kleinschmidt, Robert V.
- Marek, Leroy
- Wilson, Ernest D.
- Little, Gordon H., assignor to The Glenn L. Martin Company, Middle River, Md. Keyseating tool. 2,401,490; June 4.
- Little, Harry C., San Rafael, Calif. Oil burner. 2,401,086; May 28.
- Little, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealed reed contact device. 2,406,021; Aug. 20.
- Little, John B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Welding machine. 2,409,636; Oct. 22.
- Little, Lawrence: See—
- North, Gerald C., Alton, and Little.
- Little, Mary R., Harrisonburg, Va. Electric hem presser for sewing machines. 2,406,022; Aug. 20.
- Little, William P., Stratford, Conn. Dust collector. 2,394,923; Feb. 12.
- Littlefield, Arthur S.: See—
- Williams, Russell J., and Littlefield.
- Littlefield, Charles H., Auburn, Maine. Composite resilient heel and making it. 2,401,946; June 11.
- Littlejohn, Lillie M., North Birmingham, Ala. Clothes-line cover. 2,407,959; Sept. 17.
- Littler, Clarence A.: See—
- Fleener, Alfred, and Littler.
- Littman, Edwin R., Westfield, and J. R. M. Klotz, Montclair, N. J., assignor to Stanco, Inc. Coating with preservative compositions. 2,399,873; May 7.
- Littmann, Edwin R., Westfield, N. J., assignor to Hercules Powder Company, Wilmington, Del. Catalytic preparation of cycenes. 2,400,012; May 7.
- Liton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Operating thermionic tubes and cathode therefor. 2,392,597; Jan. 8.
- Liton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Wave impulse generator. 2,410,087; Oct. 29.
- Liton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,412,997; Dec. 24.
- Liton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,412,998; Dec. 24.
- Liton, Haywood B., Dallas, Tex. Anticipating device. 2,398,316; Apr. 9.
- Litty, Frederick L., Jr., assignor to The Davison Chemical Corporation, Baltimore, Md. Activation of inorganic gases. 2,395,632; Feb. 20.
- Livadas, Louis, Springfield, Ohio. Device for slicing butter or the like. 2,401,911; Aug. 6.
- Livar, Allen P., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Space heater. 2,409,981; Oct. 22.
- Livar, Allen P., and C. R. Gilmore, Dayton, Ohio, assignors to Chrysler Corporation, Highland Park, Mich. Pot burner and pilot assembly. 2,393,176; Jan. 15.
- Lively, George, Pueblo, Colo. Bicycle seat. 2,406,783; Sept. 3.
- Lively, James W., San Jose, Calif. Sealed moistureproof paper package. 2,406,301; Aug. 20.
- Livermont, Frank W., assignor of twenty per cent to W. L. Hume, thirty per cent to R. A. Livingston, fifteen per cent to R. L. Ames, and five per cent to M. F. Vaughan, Los Angeles, Calif. Torque wrench. 2,400,205; May 14.
- Livermont, Frank W., assignor to Richmond, Inc., Los Angeles, Calif. Pipe wrench. 2,403,187; July 2.
- Livernoire, Clifford S., Washington, D. C. Detecting submarine mines. 2,398,432; Apr. 16.
- Livernore, William T., Grosse Pointe, Mich. Transmission and fluid pressure clutch mechanism therefor. 2,399,554; Apr. 30.
- Livers, Carlos B., San Diego, Calif. Fluid drive control valve. 2,395,633; Feb. 28.
- Livers, Carlos B., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Self-energizing hydraulic wheel brake system. 2,400,587; May 21.
- Livers, Carlos B., San Diego, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Hydraulic actuating mechanism. 2,401,258; May 28.
- Livingston, Jay K., Houston, Tex. Occupant-propelled vehicle. 2,399,874; May 7.
- Livingston, John, Pelham Manor, N. Y. Rudder. 2,362,165; Jan. 1.
- Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric translating circuit. 2,392,249; Jan. 1.
- Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric control and protective systems. 2,394,054; Feb. 5.
- Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electronic electroresponsive apparatus. 2,404,643; July 23.
- Livingston, Ralph: See—
- Lange, Willy, and Livingston.
- Livingston, Richard A., assignee, et al.: See—
- Livernort, Frank W.
- Liwischitz, Michael, Brooklyn, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polyphase multipolar winding. 2,408,219; Sept. 24.
- Ljussigalner, A.-B., assignee: See—
- Ericsson, Gustaf G. A.
- Llewellyn, Frederick B., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide. 2,395,560; Feb. 28.
- Lloyd, Arnold: See—
- Butcher, William T., and Lloyd.
- Lloyd, Charles W., assignor to Ginger-Cola Dispenser, Inc., Brooklyn, N. Y. Mixing faucet for beverages. 2,408,684; Oct. 1.
- Lloyd, Edward C., Takoma Park, Md. Power transmission device. 2,408,080; Sept. 24.
- Lloyd, Hubert E., Bound Brook, N. J., assignor to The Ruberold Co., New York, N. Y. Heat-insulating material. 2,400,384; May 28.
- Lloyd, Katherine, Chicago, and H. L. Keil, Clarendon Hills, assignors, to Armour and Company, Chicago, Ill. Refining fatty oils. 2,397,874; Apr. 2.
- Lloyd, Nicholas P., Wynnewood, Pa. Camshaft assembly. 2,403,868; July 9.
- Lloyd, Robert J., Arlington, Va. Tie-plate. 2,397,023; Mar. 19.
- Lloyd, Robert L.: See—
- Buchanan, Ben F., and Lloyd.
- Lloyd, Robert L., Laurenton, N. Y., and B. F. Buchanan, Leola, N. J., assignors to American Maize-Products Company. Baking batter. 2,394,791; Feb. 12.
- Lloyd, Robert L., Laurenton, N. Y., and B. F. Buchanan, Leola, N. J., assignor to American Maize-Products Company. Fat-frying compositions. 2,401,259; May 28.
- Lloyd, Samuel, trustee, assignee: See—
- Hopkins, Nevil M.
- Lloyd, Samuel, trustee, assignee, et al.: See—
- Hopkins, Nevil M.
- Loane, Clarence M., Hammond, Ind., and R. W. Watson, assignors to Standard Oil Company, Chicago, Ill. Combustibles. 2,391,888; Jan. 1.
- Loback, Edgar A., New York, N. Y. Aircraft. 2,403,936; July 16.
- Lobell Company, assignee: See—
- Pieper, Oliver T.
- Lobelle, Marcel J. O., Slough, assignor to Messrs. R. Malcolm Limited, Slough, Buckingham, England. Intercommunication coupling device for use in cable connections between tugs, gliders, and the like. 2,400,310; May 14.
- Lobl, Frederick, Middleboro, Mass. Heating pad. 2,401,360; June 4.
- Lob, Otto, assignor to Hero Mfg. Co., Inc., Middleboro, Mass. Holder. 2,394,457; Feb. 5.
- Lobley, Frederick A.: See—
- Christner, Howard F., Lobley, and Miles.

Local Industries, Incorporated, assignee: *See*—
Patchen, Elester R.
Willson, Charles T.

Lo Cascio, Genevieve G. and T. D., Jersey City, N. J.
Vending machine. 2,398,543; Apr. 16.

Lo Cascio, Thomas D.: *See*—
Lo Cascio, Genevieve G. and T. D.

Locke, Arthur A. and R. F. Ternes, assignors to Miller Laundry Machinery Company, Detroit, Mich. Continuous washing machine. 2,401,947; June 11.

Locke, George A.: *See*—
Fitch, Karl E., and Locke.
Kinkead, Fullerton S., and Locke.

Locke, George A., Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter signal deciphering system. 2,406,023; Aug. 20.

Locke, Henry G., Jasper, Ala. Sawmill. 2,410,887; Nov. 12.

Locke Insulator Corporation, assignee: *See*—
McCoy, Robert L.

Locke, John, assignor to The British Cotton Industry Research Association, Didsbury, Manchester, England. Carding engine. 2,403,384; July 2.

Locke, Raymond C., Schenectady, N. Y., assignor to General Electric Company. Pulse generator. 2,411,442; Nov. 19.

Locke, Sanford J., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Balanced suction tumbler. 2,399,555; Apr. 30.

Locke Stove Company, assignee: *See*—
Esson, Edwin.

Lockhart, Margaret L., assignee: *See*—
Lockhart, Marshall L.

Lockhart, Marshall L., Detroit, Mich. Hypodermic injector. 2,398,544; Apr. 16.

Lockhart, Marshall L., assignor of one-half to M. L. Lockhart, Detroit, Mich. Hypodermic syringe. 2,403,323; Sept. 24.

Lockhart, Marshall L., assignor of one-half to M. L. Lockhart, Detroit, Mich. Hypodermic syringe. 2,410,351; Oct. 29.

Lockhart, Robert W.: *See*—
Thompson, Ernest H., Lockhart, and Wolf.

Locked Aircraft Corporation, assignee: *See*—
Bailey, Robert A.
Basolo, Menoto D.
Bloomfield, John J.
Corte, Alfred.
Crot, André.
Grafman, Abraham J.
Hamilton, William F., George, and Weible.
Helght, Lewis H.
Hoffman, Frederick C.
Kantner, Leslie C. Jr.
Kendrick, James B.
Price, Nathan C.
Rolloff, Douglas K.
Shepherd, Allan G.
Silver, Haskell.
Sowle, Charles E.
Sullivan, George C.
Tiffany, Frank E.
Tredson, Carl B.
Ward, Edward G.

Lock Joint Pipe Company, assignee: *See*—
Longley, James E.

Lockport Cotton Baling Co., assignee: *See*—
Ramage, Monroe W., Jr.

Lockridge, Jack K., Inglewood, Calif., assignor to Wingfoot Corporation, Akron, Ohio. Latex-treatment. 2,398,102; Apr. 9.

Lockridge, William R., administrator: *See*—
Longridge, Matthew H.

Lockwood, Edwin H., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,392,166; Jan. 1.

Lockwood, Edwin J.: *See*—
Maguire, Walter R., and Lockwood.

Lockwood, Harry A., Meriden, Conn., assignor to Chandler-Evans Corporation. Anticorrosion plug. 2,407,023; Sept. 3.

Lockwood, Lawrence A., Chicago, Ill. Baby's heat-retaining nursing bottle holder. 2,399,647; May 7.

Lockwood, Norman R.: *See*—
Burrows, Percy N., and Lockwood.

Locomotive Economizer Corporation, assignee: *See*—
Thompson, Le Roy.

Locomotive Firebox Company, assignee: *See*—
Pyle, Leslie E.

Locomotive Hollow Arch Co., The, assignee: *See*—
Abel, Louis H.

Lo Curto, Anthony R., Brooklyn, N. Y. Watch strap. 2,397,797; Apr. 2.

Lo Curto, Anthony R., Brooklyn, N. Y. Ear ornament. 2,409,369; Oct. 15.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethanolamine. 2,395,281; Feb. 19.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Detergent composition. 2,395,971; Mar. 5.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of oxazolinones. 2,402,198; June 18.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of nitriles. 2,405,966; Aug. 20.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of acids and esters thereof. 2,405,967; Aug. 20.

Loder, Donald J., and W. F. Gresham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified polymers of dioxolane. 2,394,862; Feb. 12.

Loder, Donald J., and W. M. Bruner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of cyanacetals. 2,398,757; Apr. 16.

Loder, Donald J., and W. F. Gresham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of cyanomethyl dialkyl orthoformates. 2,408,099; Oct. 22.

Lodge, Alvin, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Winding machine. 2,395,890; Mar. 5.

Lodge, Alvin, Detroit, Mich., assignor to American Viscose Corporation, Wilmington, Del. Yarn package. 2,395,891; Mar. 5.

Lodge Plugs Limited, assignee: *See*—
Hopps, Bernard, and Smithells.

Lodge & Shipley Machine Tool Company, The, assignee: *See*—
Fritzsche, Frank A.

Lodwig, Erwin, Franklin Square, assignor to Mobile Refrigeration, Inc., New York, N. Y. Low-temperature chamber refrigeration. 2,405,895; Aug. 13.

Loeb, Henry D.: *See*—
Wyman, Joseph B., and Loeb.

Loeb, Lawrence A., New Haven, Conn. Dishwashing machine. Re. 2,280,9; Nov. 5.

Loeb, Lawrence A., New Haven, Conn. Dishwashing machine. 2,396,747; Feb. 26.

Loeb, Richard F., Jenkintown, Pa. Curtain. 2,395,335; Feb. 19.

Loeb, William S., assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,399,683; May 7.

Loeb, William S., assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,410,452; Nov. 5.

Loeffel, Lester H.: *See*—
Versoy, Irving R., and Loeffel.

Loetscher, David: *See*—
Jenkins, Edward M., and Loetscher.

Loetscher, John A., assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Window construction. 2,392,678; Jan. 8.

Loewe, Bernhard, Yonkers, N. Y., now by judicial change of name B. Lowe. Control of electric devices. 2,404,644; July 23.

Loewe, Peter L.: *See*—
Dexter, Roger W., and Loewe.

Loewer, Henry F., Rochester, N. Y., assignor to United Last Company, Portland, Maine. Manufacture of wooden soles. 2,394,704; Feb. 12.

Loewer, Henry F., Rochester, N. Y., assignor to United Last Company, Portland, Maine. Last. 2,404,508; July 23.

Loewy Engineering Company Limited, The, assignee: *See*—
Loewy, Ludwig.

Loewy, Ludwig, Bournemouth, assignor to The Loewy Engineering Company Limited, London, England. Metalworking press. 2,396,108; Mar. 5.

Lofdahl, Lyle J., assignor to Industrial Patents Corporation, Chicago, Ill. Manufacture of soap. 2,411,443; Nov. 19.

Lofgren, Ninar G., Minneapolis, Minn. Induction heater. 2,407,562; Sept. 10.

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,393,788; Jan. 29.

Loftstrom, Anders M., Jr., Silver Spring, Md. Chain saw sharpener. 2,410,828; Nov. 12.

Logan, Alexander: *See*—
Berggren, George E., Bertalan, and Logan.

Logan Engineering Co., assignee: *See*—
Logan, Henry H.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,396,379; Mar. 12.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,402,563; June 25.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric switch. 2,407,710; Sept. 17.

Logan, Henry H., assignor to Logan Engineering Co., Chicago, Ill. Hydraulic pressure system. 2,396,864; Mar. 19.

Logan, John W., Jr., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,396,863; Mar. 19.

Logan, Joseph A., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 2,395,487; Feb. 26.

- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 2,409,504; Oct. 15.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pressure atomizing oil burner. 2,411,048; Nov. 12.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid measuring and dispensing apparatus. 2,413,057; Dec. 24.
- Logan, Mason A.: *See*—
Babcock, Stuart M., Horton, and Logan.
Holbrook, Bernard D., and Logan.
- Logan, Robert C., Dos Palos, Calif. Dairyman's glove. 2,405,164; Aug. 6.
- Logansport Machine, Incorporated, assignee, et al.: *See*—
Parker, Arthur L.
- Logue, Leland H.: *See*—
Daman, Arthur C., and Logue.
- Logue, Leland H., Denver, Colo., assignor, by mesne assignments, to Mining Process and Patent Company. Settling method and apparatus. 2,402,649; June 25.
- Logus, Anthony T., Cedar Rapids, Iowa. Radial reciprocating piston device. 2,404,306; July 16.
- Lohmuller, Bernard H., and G. W. Lohmuller, North Hollywood, Calif. Theater curtain. 2,407,024; Sept. 3.
- Lohmuller, Genevieve W.: *See*—
Lohmuller, Bernard H., and G. W.
- Lohse, Alfred C., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Corp., Chicago, Ill. Making railway car bodies. 2,405,793; Aug. 13.
- Lombard Governor Corporation, assignee: *See*—
Schmidt, Edward.
- Lombardi, Anthony J., Floral Park, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Tuning mechanism. 2,408,786; Oct. 8.
- Lombardi, Eugene J., Richmond Hill, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Shock-absorbent mounting. 2,391,909; Jan. 1.
- Lombardo, Joseph B.: *See*—
Laury, Napoleon A., and Lombardo.
- London, James A., Los Angeles, Calif. Multishutter camera. 2,413,058; Dec. 24.
- Lone Star Gas Company, assignee: *See*—
Martin, James W.
- Long, Bernard, Paris, France: vested in the Alien Property Custodian. Method of eliminating the coloration of glass obtained by electric melting. 2,395,585; Mar. 12.
- Long, Eli M., Geneva, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Goggle lens cutting machine. 2,395,376; Feb. 19.
- Long, Fred R., Miamisburg, Ohio. Poultry feeder. 2,411,281; Nov. 19.
- Long, George, St. Louis Park, Minn., assignor to General Mills, Inc. Caging mechanism. 2,406,698; Aug. 27.
- Long, Henry R., Linden, assignor to American Type Founders, Inc., Elizabeth, N. J. Diaphragm control. 2,406,550; Aug. 27.
- Long, James M., Henderson, Nev. Compressor unit. 2,413,636; Dec. 31.
- Long, John A., Cambridge, and W. F. Wolfner II., Methuen, assignors to Photoswitch Incorporated, Cambridge, Mass. Multiple response supervisory system. 2,411,888; Dec. 3.
- Long, John E., Boulder, Colo. Air conditioning unit for warm air furnaces. 2,392,600; Jan. 8.
- Long, John R., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of carboalkoxy alkyl acrylonitriles. 2,396,586; Mar. 12.
- Long, John R., assignor to Wingfoot Corporation, Akron, Ohio. Pyrolysis of esters of 1-alken-4-ols to produce diolefins. 2,398,103; Apr. 9.
- Long, Loren M., assignor to Parke, Davis & Company, Detroit, Mich. Hydatoints and obtaining the same. 2,404,509; July 23.
- Long, Loren M., assignor to Parke, Davis & Company, Detroit, Mich. Hydatoints and obtaining the same. 2,404,510; July 23.
- Long, Paul H.: *See*—
Schauber, Osn E., and Long.
- Long, Robert S., Martinsville, N. J., assignor to American Cyanamid Company, New York, N. Y. Azo dyestuffs. 2,392,167; Jan. 1.
- Long, Sidney L., Minneapolis, Minn. Top. 2,408,262; Sept. 24.
- Long, Thomas A., Hammond, Ind. Can opener. 2,411,099; Nov. 12.
- Long, Wendal D., assignor to Horton & Converse, Los Angeles, Calif. Adjustable automatic pipette. 2,398,234; Apr. 9.
- Long, William P.: *See*—
Gallagher, Thomas F., and Long.
- Longbottom, Thomas, Portland, Oreg. Diamond charged saw blade and making same. 2,408,148; Sept. 24.
- Longbottom, Frank J., Philadelphia, Pa. Flash synchronizer for focal-plane shutters. 2,408,864; Oct. 8.
- Longcoy, Olin M.: *See*—
Husman, Chester N., and Longcoy.
- Longfellow, Harold, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing electrical conductors. 2,393,177; Jan. 15.
- Longfellow, Richard C., Schenectady, N. Y., assignor to General Electric Company. Directive radio system. 2,412,160; Dec. 3.
- Longin, Richard L., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. 2,402,763; June 25.
- Longley, Herbert J., Calcutta, British India. Machine tool for metal turning and the like. 2,397,798; Apr. 2.
- Longley, James E., Verona, assignor to Lock Joint Pipe Company, East Orange, N. J. Apparatus for testing cylinders. 2,396,380; Mar. 12.
- Longley, Kermit D., Philadelphia, assignor to Quaker Chemical Products Corp., Conshohocken, Pa. Separating tall oil into fractions by treatment with levulinic acid. 2,409,137; Oct. 8.
- Longman, Ernest G.: *See*—
Smith, Charles H., and Longman.
- Longmate, Ralph B., Detroit, Mich., assignor to Toledo Scale Company, Toledo, Ohio. Liquid metering apparatus. 2,409,982; Oct. 22.
- Longoria, Antonio, South Euclid, and C. Girl, Madison, assignors, by direct and mesne assignments, of one-half to said A. Longoria and one-half to Unit Rays, Inc., Cleveland, Ohio. Bonding metal. 2,401,006; May 28.
- Lontz, Dudley M., Watertown Arsenal, Mass. Float. 2,395,892; Mar. 5.
- Lontz, Dudley M., Georgetown, Conn. Handling device. 2,397,554; Apr. 2.
- Loomer, Chauncey C., Lee, and W. J. Barrett, assignors to New England Lime Company, Adams, Mass. Hydrated dolomitic limes and reducing the plasticity of aqueous suspensions thereof. 2,408,324; Sept. 24.
- Loomis, Glenn L., McAllen, Tex. Portable derrick. 2,405,794; Aug. 13.
- Loomis, John A., Los Angeles, Calif. Spinning toy. 2,397,674; Apr. 2.
- Loomis, Horatio P.: *See*—
Korner, John, and Loomis.
- Looney, Edward M., Watertown, Mass. Fixture for grinding wheel and tool forms. 2,406,467; Aug. 27.
- Lopez, Rafael I., Clarkdale, Miss. Spectacle construction. 2,392,990; Jan. 15.
- Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Powder refining sulphate pentahydrate. 2,395,055; Feb. 19.
- Lorant, Hugh J., and J. W. Bridgland, London, England, said Bridgland assignor to said Lorant. Electric soldering, brazing, and like tool. 2,398,946; Apr. 23.
- Lorber, Charles, Louisville, Ky. Knowledge testing device. 2,394,247; Feb. 19.
- Lord Baltimore Press, The, assignee: *See*—
Feeney, Joseph C., and Banks.
- Lord, Benjamin C.: *See*—
Halstead, William S., and Lord.
- Lord & Burnham Company, assignee: *See*—
Kelsey, Walter.
- Lord, Coyne G., Wilmington, Del. Liquid separator tank having means for drawing a vacuum on the tank and having discharge mechanisms for causing a flow of liquid therefrom from the separator tank. 2,413,509; Dec. 31.
- Lord, Francis L. B., Bloomfield, assignor to Titelox Manufacturing Company, Montclair, N. J. Insert. 2,403,810; July 9.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Pulse generating circuit. 2,394,389; Feb. 5.
- Lord Manufacturing Company, assignee: *See*—
Roche, Paul C.
Wallenstein, Leon, Jr.
Yates, Tom L.
- Lord, Wilfrid, Rochdale, and H. Riding, Wilmslow, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Belting. 2,401,260; May 28.
- Lorentzen Hardware Mfg. Corp., assignee: *See*—
Nelson, Harry H.
- Lorenz, Otto A.: *See*—
Levin, Carl A., and Lorenz.
- Lorenz, Richard L., Chicago, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Time system. 2,393,789; Jan. 29.
- Lorenz, Richard L., Chicago, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Program instrument. 2,406,841; Aug. 13.
- Lorenzen, Robert, and F. Spiegel, New York, N. Y. Method and apparatus for secret signaling. 2,407,308; Sept. 10.
- Lorig, Frank W., Lakewood, L. L. Miller, Garfield Heights, and F. E. Robinson, Shaker Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey. Apparatus for continuously processing metal strips. 2,409,770; Oct. 22.
- Lornitzo, Frank C., Pawtucket, assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Pressing heads for pressing machines and their manufacture. 2,393,897; Jan. 29.
- Lorschly, György, Budapest V, Hungary: vested in the Alien Property Custodian. Circuit for single-phase commutator machines. 2,399,875; May 7.
- Losce, Kathryn A.: *See*—
Lott, William A., Bergelm, and Losce.
- Losee Products Co., assignee: *See*—
Babson, Henry B., and Thomas.

- Loselle, Edmond W., Wyandotte, Mich. Skirt hanger. 2,409,700; Oct. 22.
- Losey, Malcolm S., assignee: *See—*
Hall, Charles W.
- Lott, Clayton, assignor to The Hyde & Dauch Paper Company, Sandusky, Ohio. Chalk box. 2,409,701; Oct. 22.
- Lothrop, Clarence W., assignee, et al.: *See—*
Holm, Carl H.
- Lott, William A., Maplewood, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Preparation of alkaline-earth-metal salt of sulphadiazine. 2,396,711; Mar. 19.
- Lott, William A., Maplewood, F. H. Bergheim, Highland Park, and K. A. Losee, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Chemotherapeutic agents of the sulphonamide type. 2,407,809; Sept. 10.
- Lott, William A., Maplewood, and R. Van Winkle, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Chemotherapeutic sulphanilamide derivatives. 2,409,291; Oct. 15.
- Lotte Chemical Company, Inc., assignee: *See—*
Peterson, Harry L.
- Lothamer, Paul H., Elmhurst, Long Island, N. Y., assignor of forty-two and one-half percent to J. C. Friel, and fifteen percent to L. Tewel. Razor. 2,397,555; Apr. 2.
- Lotz, R. William: *See—*
Cowles, Irving, and Lotz.
- Loucks, Claude A., assignee, et al.: *See—*
Gordon, George C., and Blackwelder.
- Louden Machinery Company, The, assignee: *See—*
Mappin, Vermont V.
Spafford, Ralph W.
Spafford, Ralph W., and Bergen.
- Loughlin, Bernard D., Bayside, N. J., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Phase-modulation system. 2,401,007; May 28.
- Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Direction-indicating system. 2,406,468; Aug. 27.
- Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Direction indicating device. 2,413,637; Dec. 31.
- Loughlin, Bernard D., Bayside, and J. F. Craib, Little Neck, N. Y., assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Position-indicating system. 2,404,238; July 16.
- Loughlin, James F.: *See—*
Lovas, Joseph J., and Loughlin.
- Loughren, Michael H., Little Falls, N. J. Mine detection device. 2,404,266; July 16.
- Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Corporation. Signal-generating system. 2,396,865; Mar. 19.
- Loughren, Arthur V., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Secrecy communication system. 2,402,058; June 11.
- Loughren, Arthur V., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Direction-finding system. 2,403,727; July 9.
- Loughren, Arthur V., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. System for indicating the position in space of an object. 2,403,728; July 9.
- Loughren, Arthur V., Great Neck, N. Y., assignor, mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Coordinate determining system. 2,403,729; July 9.
- Loughren, Arthur V., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. System for locating radiated-signal reflectors. 2,407,169; Sept. 3.
- Loughridge, Matthew H., Bogota, N. J.; W. R. Lockridge, administrator of said M. H. Loughridge, deceased. Reversible ratchet. 2,394,085; Feb. 5.
- Lougovoy, Boris N., Jackson Heights, N. Y. An elastomer adapted for a chewing gum base. 2,412,590; Dec. 17.
- Lougovoy, Boris N., Jackson Heights, N. Y., and C. E. Hartwig, Teaneck, N. J. Recovery of gum constituents from asclepiadaceae and product. 2,397,611; Apr. 2.
- Louisiana State University and Agricultural and Mechanical College, Supervisors, Board of, assignee: *See—*
West, Philip W.
- Loukowsky, Serge A., Bound Brook, N. J., and C. R. Stock, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Plastometer. 2,410,885; Oct. 29.
- Lounsberry, Harvey J., Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,396,796; Mar. 19.
- Lovas, Joseph J., Ridgewood, and P. F. Bruins, Douglaston, N. Y. Separation of fatty acid and rosin acids sodium salts and sterols from mixtures thereof. 2,395,282; Feb. 19.
- Lovas, Joseph J., Ridgewood, and P. F. Bruins, Douglaston, N. Y. Treating crude kraft soap. 2,395,283; Feb. 19.
- Lovas, Joseph J., Ridgewood, and P. F. Bruins, Douglaston, N. Y. Separating and recovering constituents of waste liquor from the soda and sulphate processing of coniferous woods. 2,395,284; Feb. 19.
- Lovas, Joseph J., Ridgewood, and J. F. Loughlin, New York, N. Y. Separation of the components of a mixture of fatty acids and rosin acids. 2,412,818; Dec. 17.
- Lovatt, John B.: *See—*
Tillis, John W., Lovatt, and Potts.
- Love, Harold N., Chicago, Ill. Deicing mechanism. 2,399,648; May 7.
- Lovejor, Charles, assignee: *See—*
Lampe, Charles E., Sr.
- Lovell, Clarence A.: *See—*
Elmer, Lloyd A., and Lovell.
- Lovel, Clarence A., and D. B. Parkinson, Maplewood, N. J., and B. T. Weber, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical computing system. 2,404,387; July 23.
- Lovell, Clarence A., and D. B. Parkinson, Maplewood, N. J., and B. T. Weber, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artillery predictor. 2,408,081; Sept. 24.
- Lovell, Lawrence L., Wood River, and E. J. Jahn, Edwardsville, Ill., assignors to Shell Development Company, San Francisco, Calif. Preparing and purifying dicarboxylic acids. 2,402,825; June 25.
- Lovell Manufacturing Company, assignee: *See—*
Jantz, Gustave H.
- Lovell, Stanley P., Washington, D. C., and F. H. Russell, Needham, Mass., assignors to Beckwith Manufacturing Company, Dover, N. H. Shoe construction. 2,399,492; Apr. 30.
- Lovell, William V., Sanford, Fla. Electromagnet. 2,400,869; May 28.
- Loyal, Charles R., Jr., Glastonbury, Conn. Chimney top. 2,408,665; Oct. 7.
- Lowering, Reuben W., Minneapolis, Minn. Time controlled switch mechanism. 2,403,667; July 9.
- Lovett, Roger A.: *See—*
Ewing, Frederick J., and Lovett.
- Lovin, Robert J.: *See—*
Salvesen, Jorgen R., Hossfeld, and Lovin.
- Lowe, Arthur, and A. C. Robson, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Anthraquinone dyestuffs. 2,395,229; Feb. 19.
- Lowe, Bernard: *See—*
Loewe, Bernhard.
- Lowe, Earl R., Detroit, Mich. Chuck. 2,400,762; May 21.
- Lowe, Robert, assignee: *See—*
McFarlane, Arthur B.
- Lowe, Russell B.: *See—*
Morgan, John D., and Lowe.
- Lowe, William B.: *See—*
Stanley, Richard W., and Lowe.
- Lowell, Edward O., South Pasadena, assignor, by mesne assignments, to Lowell and Grayson Manufacturing Company, Monrovia, Calif. Inserted tooth milling cutter. 2,408,787; Oct. 8.
- Lowell & Grayson, assignee: *See—*
Grayson, John H.
- Lowell and Grayson Manufacturing Company, assignee: *See—*
Lowell, Edward O.
- Lowell, Joseph, and B. C. Berg, Los Angeles, Calif. Toy. 2,400,013; May 7.
- Lowenstein, Alfons, assignor to E. Fabritius, Helsinki, Finland. Closet device. 2,398,104; Apr. 9.
- Lower, Carl F., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,406,955; Sept. 3.
- Lowes, William J., assignor to Harris Trust and Savings Bank, Chicago, Ill. Ammunition. 2,409,945; Oct. 22.
- Lowey, Francis J., Olmsted Falls, assignor to The S. K. Wellman Company, Cleveland, Ohio. Making bearings. 2,404,808; July 30.
- Lowey, Francis J., Bay Village, and C. H. Tower, assignors to The S. K. Wellman Company, Cleveland, Ohio. Friction composition product. 2,408,430; Oct. 1.
- Lowgren, Karl A. O., Tarrytown, and A. A. Alfson, New York, N. Y., and H. S. Messing, New Orleans, La., assignors to American Deffibrator, Inc., New York, N. Y. Apparatus for producing pulp. 2,396,587; Mar. 12.
- Lowry, Edwin F., Swampscott, and F. P. Rogers, Danvers, assignors to Sylvania Electric Products Inc., Salem, Mass. Electrical discharge device. 2,409,771; Oct. 22.
- Lowry, Leonard P.: *See—*
Hartley, G. C., Lowry, and Bray.
- Loy, John G., assignor to Porcelain Products, Inc., Findlay, Ohio. Concealed wiring block. 2,401,948; June 11.
- Loy, John W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst regeneration. 2,398,180; Apr. 9.
- Loy, John W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of hydrocarbons. 2,403,811; July 9.

- Lozensky, Charles A., Brooklyn, N. Y. Automatic spark plug cleaner. 2,397,959; Mar. 26.
- Lozinski, Ezra: *See* Butler, Gordon C., Lozinski, and Odell.
- Luaces, Enrique L., assignor to Chemical Developments Corporation, Dayton, Ohio. Method of reclaiming soiled solvent by distillation and adsorption. 2,410,084; Oct. 29.
- Luaces, Enrique L., assignor to Chemical Developments Corporation, Dayton, Ohio. Extrusion apparatus. 2,410,035; Oct. 29.
- Luaces, Enrique L., and Melvin A. Crosby, assignors to Chemical Development Corporation, Dayton, Ohio. Automatic starter. 2,402,564; June 25.
- Lubbock, Isaac, Great St. Helens, London, England, assignor to The Asiatic Petroleum Company Limited, London, England. Control means for jet propulsion apparatus. 2,402,826; June 25.
- Lubbock, Isaac, and F. J. Battershill, Great St. Helens, assignors to The Anglo-Saxon Petroleum Company Limited, London, England. Combustion burner. 2,398,654; Apr. 16.
- Lubbock, Isaac, G. J. Gollin, A. Lindsay, and H. J. Poole; said Lubbock, Gollin, and Lindsay assignors to The Asiatic Petroleum Company Limited, London, England. Explosive operated valve. 2,405,439; Aug. 6.
- Lubelsky, Benjamin L., Wynnewood, and W. E. Walburn, assignors to Heitman Safety Blasting Plug Corp., Shamokin, Pa. Blasting plug. 2,403,386; July 2.
- Lubenow, Lewis W., Orange, N. J. Removing flash from soft molded articles. 2,402,967; July 2.
- Lubetsky, David, Detroit, Mich. Tool. 2,403,666; July 9.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,688; June 4.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Long base range finder. 2,401,689; June 4.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Binocular range finder. 2,401,690; June 4.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Photoelectric range finder. 2,401,691; June 4.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Coincidence range finder. 2,401,692; June 4.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Stereoscopic range finder. 2,401,693; June 4.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for grinding and polishing surfaces. 2,407,206; Sept. 3.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Artificial horizon for sighting instruments. 2,404,667; Nov. 5.
- Lubri-Zol Development Corporation, assignee: *See* Byrkt, Gordon D.
- Byrkt, Gordon D. Prutton, Carl F.
- Lubs, Herbert A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of keratinous material. 2,403,937; July 16.
- Luby, Charles H., Philadelphia, Pa. Apparatus for protecting ships from torpedos, mines, and the like. 2,395,056; Feb. 19.
- Lucarelle, Joseph M., and E. Fedeli, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Cable stripping device. 2,393,919; Jan. 29.
- Lucas Auto Co., assignee: *See* Lucas, Joseph A.
- Lucas, Joseph A., South Charleston, W. Va. Two-speed power transmission. 2,392,250; Jan. 1.
- Lucas, Earnie W., Dixon, N. C. Wheeled toy. 2,395,230; Feb. 19.
- Lucas, John S., Santa Rosa, Calif. Measuring cup. 2,399,813; May 7.
- Lucas, Joseph, Limited, assignee: *See* Field, Richard J., and Nicolls.
- Lucas, Joseph A., assignor, by mesne assignments, to Lucas Auto Co., Los Angeles, Calif. Apparatus for testing gear units. 2,393,113; Jan. 15.
- Lucas, Philip: *See* Kwartler, Charles E., and Lucas.
- Lucas, Charles L., McKeesport, and N. B. Duncan, Pittsburgh, Pa., assignors to National Tube Company. Working tubular articles. 2,408,325; Sept. 24.
- Luce, Richard W., Southport, Conn. Threaded locking device. 2,391,989; Jan. 1.
- Luce, Richard W., Southport, Conn. Nut. 2,396,588; Mar. 12.
- Luce, Richard W., Southport, Conn. Tool. 2,399,442; Apr. 30.
- Luce, Richard W., Southport, Conn. Fastener. 2,409,702; Oct. 22.
- Luce, Richard W., Southport, Conn. Threaded locking device. 2,412,896; Dec. 17.
- Luce, Richard W., Southport, Conn. Fastener. 2,413,510; Dec. 31.
- Luce, Roy L., assignor to Hydro-Blast Corporation, Chicago, Ill. Sand surly valve. 2,397,675; Apr. 2.
- Luce, Stewart B., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Esterification reactions. 2,411,136; Nov. 12.
- Lucht, Victor F., Washington, D. C. Recoil mechanism. 2,395,488; Feb. 26.
- Lucht, Victor F., Washington, D. C. Muzzle closing mechanism. 2,409,637; Oct. 22.
- Lucia, Louis V., West Hartford, Conn. Cutting machine. 2,413,511; Dec. 31.
- Lucia, Louis V., and E. H. Bassett, West Hartford, assignors to The Silex Company, Hartford, Conn. Steaming and pressing iron. 2,411,738; Nov. 26.
- Lucien, René, Farnham Common, England, assignor to Société d'Inventions Aéronautiques et Mécaniques S. A., M. Fribourg, Switzerland. Hydraulic remote control device. 2,412,053; Dec. 3.
- Luck, David G. C.: *See* Eaton, Thomas T., and Luck.
- Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Radio position locator. 2,401,432; June 4.
- Luck, David G. C., Haddon Heights, N. J., assignor to Radio Corporation of America. Communication system. 2,404,306; July 16.
- Lucke, Charles E., New York, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Cylinder cooling structure for aircraft engines. 2,406,551; Aug. 27.
- Lucke, Charles E., New York, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Axial flow cooling structure for aircraft engines. 2,406,552; Aug. 27.
- Luckett, James P., assignor to Clifford Waterhouse, Jackson, Miss. Hoisting device for dump trucks and other vehicles. 2,406,620; Aug. 27.
- Luckhaupt, Christopher, Jamaica, N. Y., assignor to A. R. Southworth, Englewood, N. J. Metal containing plastic composition. 2,406,428; Aug. 27.
- Luckhaupt, Christopher, Jamaica, N. Y., assignor to Luckite Processes, Inc., Delawanna, N. J. Treating cellulose matter with terpene dihydrochloride. 2,407,988; Sept. 24.
- Luckhaupt, Christopher, Jamaica, N. Y., assignor to Luckite Processes, Inc., Delawanna, N. J. Treating cellulose matter with terebene. 2,407,989; Sept. 24.
- Luckite Processes, Inc., assignee: *See* Luckhaupt, Christopher.
- Luckock, Wayne J.: *See* Belski, Alex J., and Luckock.
- Lucks, Charles F.: *See* Russell, Howard W., and Lucks.
- Lucson Corporation, assignee: *See* Woodsie, Samuel.
- Lucey, Otto H., Los Angeles, Calif., assignor to Murray-Lucey-Marvosh Company, Pasadena, Calif. Method and apparatus for molding three-dimensional shapes from drawings. 2,410,888; Nov. 12.
- Ludel, William, New York, N. Y. Wheel dressing tool and making the same. 2,404,184; July 16.
- Ludemann, Oscar H., New York, N. Y., assignor to Skinner Engine Company, Erie, Pa. Valve mechanism. 2,403,427; July 2.
- Ludera, Alfred E., Stamford, Conn. Keel construction for boats or ships. 2,391,990; Jan. 1.
- Ludington, Charles T., Ardmore, Pa., and R. W. Griswold, II, Old Lyme, Conn. Airfoil. 2,408,788; Oct. 8.
- Ludlow, Edmund: *See* Noblit, Quentin G., and Ludlow.
- Ludwig, Bernard J.: *See* Wyss, Orville, Ludwig, and Rubin.
- Ludwig, Leon R., Wilkinsburg, B. P. Baker, Turtle Creek, and A. H. Bakken, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,394,086; Feb. 5.
- Ludwig, Leon R., Forest Hills, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,401,008; May 28.
- Ludwig, Leon R., and W. M. Leeds, Wilkinsburg, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,406,69; Aug. 27.
- Luebbers, Herman E.: *See* Rogers, John H., and Luebbers.
- Luedtke, Richard C., Glen Burnie, Md. Piston and connecting rod thereof. 2,413,059; Dec. 24.
- Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westery, R. I. Rotary printing press. 2,406,795; Aug. 13.
- Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westery, R. I. Means for securing printing plates to their bases. 2,406,883; Sept. 3.
- Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westery, R. I. Clutch. 2,411,739; Nov. 26.
- Luehrs, Hans J., Westery, R. I., and P. W. Cottrell, Stonington, Conn., assignors to C. B. Cottrell & Sons Company, Westery, R. I. Change-speed mechanism. 2,399,493; Apr. 30.
- Luenberger, Frederick O., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Variable ratio transmission. 2,398,235; Apr. 9.
- Luetzen, Andrew J., assignor, by mesne assignments, to P. H. Glatfelter Company, Spring Grove, Pa. Sizing composition for use in paper making. 2,399,748; May 7.
- Lufkin Engineering Company, assignee: *See* Ostlund, Richard E.

- Lufkin, James E., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrating alcohols. 2,396,330; Mar. 12.
- Luger, Kenneth E., Minneapolis, Minn. Manually operable vacuum releasing bottle stopper. 2,392,602; Jan. 8.
- Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Electric calculating machine. 2,394,924; Feb. 12.
- Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Electrical calculating machine. 2,394,925; Feb. 12.
- Luisada, August G., New York, N. Y. Inflatable boat and making same. 2,408,789; Oct. 8.
- Luke, Jack, Toronto, Ontario, Canada. Lace cutter. 2,411,927; Dec. 3.
- Luke, Oliver J., assignor to Carter Carburetor Corporation, St. Louis, Mo. Coil winding device. 2,412,591; Dec. 27.
- Lukeman, Richard J., Montreal, Quebec, Canada. Clothes hook and utility hanger. 2,395,131; Feb. 19.
- Lukens Steel Company, assignee: See—
- Fayles, Robert R.
- Luley, John C., Teaneck, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Orienting device. 2,394,622; Feb. 12.
- Lull, Le Grand H., Minneapolis, Minn. Load handling mechanism. 2,394,458; Feb. 5.
- Lum, George P., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel injection pump. 2,393,544; Jan. 22.
- Lum, John C.: See—
- Jernstedt, George W. and Lum.
- Lum, John C., Union, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stripping of copper from zinc. 2,408,220; Sept. 24.
- Lumbar, James K., La Junta, Colo. Fire extinguisher. 2,399,556; Apr. 30.
- Lumbard, Henry G., assignee: See—
- Watson, Carlisle V.
- Lumbard, Henry G., Auburn, Maine. Bottom filler for shoes. 2,401,088; May 28.
- Lummus Company, The, assignee: See—
- Bloomer, Ward J.
- Brunjes, Austin S., and Bogart.
- Schutte, August H.
- Tsao, Utah.
- Lund, Albert A., Port Washington, N. Y. Colloid mill. 2,402,170; June 18.
- Lund, Charles, Burbank, Calif., assignor to Adel Precision Products Corp. Adjustable harness clip. 2,409,772; Oct. 22.
- Lund, Johan, Detroit, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. One-way rotary clutch. 2,399,749; May 7.
- Lundal, Ingie J., and R. P. Robichaux, assignors, by mesne assignments, of one-half to Cherry-Burrell Corporation, Chicago, and one-half to Sugar Creek Creamery Company, Danville, Ill. Making butter and butter oil concentrate. 2,407,612; Sept. 10.
- Lundborg, Carl J., Great Falls, Mont. Electric control. 2,412,163; Dec. 3.
- Lundbye, Axel E., assignor to Crowell-Collier Publishing Company, Springfield, Ohio. Electroplating and treating cutting edge tools and the like. 2,411,327; Nov. 19.
- Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Pipe tong. 2,392,931; Jan. 15.
- Lundin, Harold, New York, N. Y., assignor to International Minerals & Chemical Corporation, Manufacture of water-soluble salts of magnesium. 2,394,863; Feb. 12.
- Lundquist, Carl E. E., Stockholm, Sweden. Adjustable chair, bedstead, stretcher, or the like. 2,410,088; Oct. 29.
- Lundquist, William E., and W. Kellgren, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. 2,410,089; Oct. 29.
- Lundquist, Wilton G., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Propeller drive gear. 2,398,236; Apr. 9.
- Lundquist, Wilton G., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Opposite rotating propeller drive. 2,401,694; June 4.
- Lundstrom, Alexis A.: See—
- Hecht, George, and Lundstrom.
- Lundstrom, Carl B., Little Falls, N. Y. Producing wooden articles of circular cross section and varying diameter and the resulting article. 2,412,523; Dec. 10.
- Lundy, Clarence C., Floral Park, N. Y., and H. Langstroth, Greenwich, Conn., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Scanning device. 2,407,310; Sept. 10.
- Lunt, Jerry H., Forest Hills, N. Y. Corer and slicer. 2,397,496; Apr. 2.
- Lunzer, Fritz, et al., assignees: See—
- Weiss, Gerhart.
- Luongo, Albert: See—
- Greer, John J., and Luongo.
- Lupton, George M., assignee: See—
- Fogle, Walter C.
- Lupton, McSherry, Winchester, Va. Grading machine. 2,406,842; Sept. 3.
- Lurie, Benjamin L., Chicago, Ill. Pipe wrench. 2,407,990; Sept. 24.
- Luse, Daniel C., Chicago, Ill. Wall surface sheet or tile. 2,407,025; Sept. 3.
- Lusher, Albert C., deceased, by the Citizens and Manufacturers National Bank of Waterbury, administrator, Waterbury, Conn. Self-locking nut. 2,410,090; Oct. 29.
- Luster, Donald R., Oak Ridge, Tenn., and P. B. Rutherford, Rockimer, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Grenade launcher. 2,402,060; June 11.
- Lustig, Florence, New York, N. Y. Bust separator. 2,406,699; Aug. 27.
- Luten, Daniel B., Jr., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Stabilization of gasoline and of addition agents therefor. 2,410,829; Nov. 12.
- Luten, Daniel B., Jr., and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Two-stage distillation of ortho-substituted ring compounds. 2,409,773; Oct. 22.
- Lutes, Gilbert M., Gilman, Iowa, and T. J. Landt, Minneapolis, Minn. Hydraulic safety valve. 2,402,171; June 11.
- Lutes, Oakley D., Jackson, Mich. Farming implement. 2,391,910; Jan. 1.
- Lutes, Oakley D., Jackson, Mich., assignor to Seiden Pneumatic Tool Company. Blind riveting apparatus. 2,408,431; Oct. 1.
- Luth, Harold J., Muskegon, Mich., assignor to The Brunswick-Balke-Collider Company, Chicago, Ill. Hardening cast phenolic resin. 2,395,675; Feb. 26.
- Luth, Harold J., Muskegon, Mich., assignor to The Brunswick-Balke-Collider Company, Chicago, Ill. Building and forming plywood parts. 2,407,711; Sept. 17.
- Luth, Harold J., Muskegon, Mich., assignor to The Brunswick-Balke-Collider Company, Chicago, Ill. Solenoid. 2,407,712; Sept. 17.
- Luth, Harold J., Muskegon Heights, and K. J. Gregory, Muskegon, Mich., assignors to The Brunswick-Balke-Collider Company, Chicago, Ill. Condensation products and producing the same. 2,395,676; Feb. 26.
- Luth, Harold J., H. B. Scheidtmantel, and S. R. Krupnick, Muskegon, Mich., assignors to The Brunswick-Balke-Collider Company, Chicago, Ill. Molding materials under heat and pressure. 2,406,843; Sept. 3.
- Lutherman, Lewis A., and E. L. Thompson, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Auxiliary berth arrangement. 2,410,173; Oct. 29.
- Luton, Thomas C., Evansville, Ind. Jig-saw puzzle. 2,394,864; Feb. 12.
- Luttwig, William G., Brooklyn, and E. G. Mesthene, Woodside, N. Y., assignors to American Viscose Corporation, Wilmington, Del. Filter structure and method of making it. 2,396,712; Mar. 19.
- Lutton, Donald A., Winthrop, Mass. Micrometer. 2,399,236; Apr. 30.
- Lutz, Frederick W.: See—
- Maxson, William L., Lutz, McLaren, and Fedotoff.
- Lutz, Moritz: See—
- Klinger, Emil, Knapp, and Lutz.
- Luxem, Arthur, Chicago, Ill. Warming oven. 2,395,788; Feb. 26.
- Luzi, Vassili M., Manitowoc, Wis. Protractor. 2,400,014; May 7.
- Lycan, William H., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plastic compositions and applications thereof. 2,397,612; Apr. 2.
- Lyem, Arthur, Cumberland, Md., assignor to Celanese Corporation of America. Preparation of laminating fabric. 2,409,703; Oct. 22.
- Lyem, Arthur, Cumberland, Md., assignor to Celanese Corporation of America. Production of laminating fabrics. 2,409,704; Oct. 22.
- Lykken, Henry G. and W. H., Minneapolis, Minn. Pulverizing and classifying machine. 2,392,331; Jan. 8.
- Lykken, William H.: See—
- Lykken, Henry G. and W. H.
- Lyman, Cloethilde A., Alburnett, Iowa. Adjustable clutch. 2,399,279; Apr. 30.
- Lyman, Harold T., Milford, Conn., assignor to General Electric Company. Television apparatus. 2,397,150; Mar. 28.
- Lyman, Homer F., Nutley, N. J. Fluid spraying device for dishwashing apparatus. 2,392,540; Jan. 8.
- Lyman, John E., Mapperley, assignor to William Cotton Limited, Loughborough, England. Cotton's patent and other straight bar knitting machine. 2,410,668; Nov. 5.
- Lynch, Charles S., Plainfield, and H. G. Codet, Mountain-side, N. J., assignors to Standard Oil Development Company. Alkylating of ethylene mixed feeds. 2,405,968; Aug. 20.
- Lynch, Charles S., Plainfield, and H. G. Codet, Mountain-side, N. J., assignors to Standard Oil Development Company. Chemical process. 2,407,311; Sept. 10.
- Lynch and Company, assignee: See—
- Peterson, Edgar A.
- Lynch, E. P., Inc., assignee: See—
- Lynch, John R.
- Lynch, Edward J., Detroit, Mich. Feed head for rotary tools. 2,410,091; Oct. 29.

- Lynch, John R., Providence, R. I., assignor to E. P. Lynch, Inc. Luminous article and method. Re. 22,769; July 2.
- Lynch, John R., Providence, R. I., assignor to E. P. Lynch, Inc. Luminous material. 2,413,459; Dec. 31.
- Lynch, Leslie S., Jr.; *See—*
- Engel, George C., Lynch, and Eidmann.
- Lynch, Walter D., Ayshire, Iowa. Grease dispensing pump. 2,392,603; Jan. 8.
- Lyne Co., assignee of: *See—*
- Lyons, Joseph L., Jr.
- Lyne, Horatio S., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes. 2,394,705; Feb. 12.
- Lynn, Clarence, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Band for armatures. 2,397,187; Mar. 26.
- Lynn, Clarence, Pittsburgh 21, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synchronous converter ventilation. 2,399,366; Apr. 30.
- Lynn, Julia M., assignee, et al.: *See—*
- Lynn, Robert M.
- Lynn, Lawrence B.; *See—*
- Hanna, Clifton R., and Lynn.
- Lynn, Lawrence B., Wilkinsburg, and C. R. Hanna, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing apparatus. 2,411,550; Nov. 26.
- Lynn, Robert M., Pasadena, Calif. Gun sight. 2,394,521; Feb. 5.
- Lynn, Robert M., Pasadena, Calif., assignor of twenty-five per cent to C. J. Harasta, twenty-five per cent to J. M. Lynn, and twenty-five per cent to M. A. Harasta. Bomb sight. 2,405,263; Aug. 6.
- Lynn, Roland A., Teaneck, N. J., assignor to Radio Corporation of America. Program change indicator. 2,410,669; Nov. 5.
- Lynnwood Laboratories, Inc., assignee: *See—*
- Shapiro, Carl L.
- Lyon, Bruce L., Grant, Nebr., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Insert bolt. 2,409,638; Oct. 22.
- Lyon, Dean A., Washington, D. C. Coating optical elements. 2,398,352; Apr. 16.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,397,024; Mar. 19.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,397,360; Mar. 26.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,401,492; June 4.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,404,388; July 23.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,404,389; July 23.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,404,390; July 23.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,405,389; Aug. 6.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,405,390; Aug. 6.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,405,585; Aug. 13.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,405,586; Aug. 13.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,405,587; Aug. 13.
- Lyon, George A., Allenhurst, N. J. Wheel construction. 2,406,390; Aug. 27.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,407,669; Sept. 17.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,410,174; Oct. 29.
- Lyon, George A., Allenhurst, N. J. Wheel trim. 2,411,163; Nov. 19.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,411,164; Nov. 19.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,411,928; Dec. 3.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,413,328; Dec. 31.
- Lyon, George A., Allenhurst, N. J. Making wheel trim. 2,413,329; Dec. 31.
- Lyon, Joseph P., Jr.; *See—*
- Schulze, Walter, and Lyon.
- Lyon, Kenneth C., Millville, N. J., assignor to General Electric Company. Glass composition. 2,408,468; Oct. 1.
- Lyon, Robert C., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic developer composition. 2,397,676; Apr. 2.
- Lyons, Archie H., Modesto, Calif. Safety razor. 2,393,391; Jan. 22.
- Lyons, Ellis C., Chicago, Ill. Casting molten metal. 2,401,491; June 4.
- Lyons, Ellis C., Boulder City, Nev., assignor, by mesne assignments, to Reconstruction Finance Corporation. Melting magnesium metal and the like. 2,408,466; Oct. 1.
- Lyons, Ellis C., Boulder City, Nev., assignor, by mesne assignments, to Reconstruction Finance Corporation. Conditioning molten metal. 2,408,467; Oct. 1.
- Lyons, Harold, by judicial change of name: *See—*
- Lifschutz, Harold.
- Lyons, Isidore, New York, N. Y. Adjustable waistband for garments. 2,393,392; Jan. 22.
- Lyons, Joseph L., Jr., assignor to Lyne Co., Chicago, Ill. Bottle carrier. 2,393,114; Jan. 15.
- Lyophylic-Cryochem Company, assignee: *See—*
- Flodorf, Earl W.
- Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Rotary screw wheel apparatus. 2,410,172; Oct. 29.
- Lytle, Arthur R., and W. Morton, Niagara Falls, N. Y., assignors, by mesne assignments, to The Linde Air Products Company. Pressure welding process and apparatus. 2,392,824; Jan. 15.
- Lytton, Kenneth G., Gastonia, assignor to M. C. Lytton, Mount Holly, N. C. Cap fastening means for fountain pens. 2,396,866; Mar. 19.
- Lytton, Margaret C., assignee: *See—*
- Lytton, Kenneth G.
- M and M Wood Working Company, assignee: *See—*
- Cone, Charles N.
- Maag-Zahnrad- und Maschinen Aktiengesellschaft, assignee: *See—*
- Acipol, Albert.
- Graf, Willi.
- Maas, Louis A., Glendale, Calif. Balanced suspension for chimes. 2,400,125; May 14.
- Maas, Verne S., New York, N. Y. Bust support. 2,413,601; Dec. 31.
- Maasberg, Albert T., Huntsville, Ala., assignor to The Dow Chemical Company, Midland, Mich. Preparing alkali soluble methyl cellulose. 2,408,326; Sept. 24.
- Mabee, John E., assignee, et al.: *See—*
- Schuetz, Thomas J., and Turnquist.
- Mabe, Charles A., assignor to The Bristol Company, Waterbury, Conn. Measurement and control of humidity. 2,400,427; May 14.
- Mace, Paul, trustee, assignee, et al.: *See—*
- Sommer, Kurt, Mace, Edwards, and Budig.
- MacAdam, Mark L., Brockton, Mass., assignor to Radio Industries Corporation, New York, N. Y. Directional radio transmitting system. 2,401,575; June 4.
- Macalaster Bicknell Company, assignee: *See—*
- Curtis, Raymond M.
- Macan, Albert L., La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich. Air brake signal system. 2,403,938; July 16.
- MacArthur, Roger A.; *See—*
- Greider, Harold W., and MacArthur.
- MacBain, Donald K.; *See—*
- Edwards, Miles L., MacBain, and Johnson.
- Macbeth, Allan, Bowden, Attrincham, assignor to Mills Scaffold Company Limited, London, England. Clip or clamp for use in connecting together structural members. 2,392,932; Jan. 15.
- MacBlane, James, Elmira Heights, N. Y., assignor to Bendix Aviation, South Bend, Ind. Automatic chuck. 2,397,025; Mar. 19.
- MacBlane, James, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Wire or strip feeding mechanism for punch presses. 2,413,638; Dec. 31.
- Maccaferri, Mario, New York, N. Y. Ligature for saxophone mouthpieces. 2,411,380; Nov. 19.
- MacCallum, Alan M., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Magnetic clutch. 2,407,757; Sept. 17.
- MacCallum, Claude R., Glasgow, C. I., Scotland, Antiskid tread. 2,403,812; July 9.
- MacCallum, James, Jr., St. Louis, Mo. Listing machine. 2,392,488; Jan. 8.
- MacCarthy, Donnell D., Pittsfield, Mass., assignor to General Electric Company. Lightning arrester. 2,392,679; Jan. 8.
- MacCluney, William R., Dearborn, Mich. Fastening device. 2,407,758; Sept. 17.
- MacClymont, David B.; *See—*
- Maranick, Joseph V., and MacClymont.
- MacCulloch, Donald G.; *See—*
- Chilton, Roland, and MacCulloch.
- Macdonald, Angus A.; *See—*
- Briggs, Maynard R., and Macdonald.
- MacDonald, Clifford K.; *See—*
- Murray, Forrest W., and MacDonald.
- MacDonald, George A., Los Angeles, Calif. Ink fountain. 2,410,296; Oct. 29.
- Macdonald, Hector A., Gravesend, assignor to W. T. Henley's Telegraph Works Company Limited, Dorking, Surrey, England. Electric cable. 2,404,239; July 16.
- Macdonald, Joseph B., Winchester, Mass. Keeping fish in fresh condition. 2,402,199; June 18.
- Macdonald, Roderick A., Peaks Island, Maine. Closet light. 2,411,100; Nov. 12.
- MacDuff, Robert S.; *See—*
- Sprinkle, Marshall R., and MacDuff.
- Mace, Thomas K.; *See—*
- Irving, John S., and Mace.
- MacEwing, Eugene D., assignor to Duke Engine Co., Grand Haven, Mich. Homogenizing machine. 2,397,281; Mar. 26.
- Macey, William C., Winnetka, assignor to Sears, Roebuck and Co., Chicago, Ill. Sample display book. Re. 22,716; Feb. 5.

- MacGlashan, E. C., assignee: *See—*
MacGlashan, E. C., assignee: *See—*
MacGlashan, Lee J., Long Beach, assignor to E. C. MacGlashan, North Hollywood, Calif. Liquid feeding device. 2,397,677; Apr. 2.
MacGregor Instrument Company, assignee: *See—*
Smith, Jesse C.
MacGregor, Wallace F., deceased; R. D. Miller, special administrator, assignor to J. I. Case Company, Racine, Wis. Stationary concave screen. 2,409,292; Oct. 15.
Machado, Anthony B.; *See—*
Friden, Carl M., and Machado.
Machamer, Hobart E., Oak Park, Ill., assignor to Ceco Steel Products Corporation, Omaha, Nebr. Joint. 2,410,175; Oct. 29.
MacHenry, Richard; *See—*
Johnson, Ellis A., and MacHenry.
Miller, Joseph F. G., and MacHenry.
Machlett Laboratories Incorporated, assignee: *See—*
Agule, George J.
Clausen, Gerard E.
Macht, Maurice L.; *See—*
Cooper, Edward B., and Macht.
Macht, Maurice L., Jersey City, and M. M. Renfrew, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating by flame-spray-lag method. 2,410,225; Oct. 29.
MacIntyre, John R., South Peabody, Mass., assignor to General Electric Company. Synchronous motor. 2,412,461; Dec. 10.
MacIntyre, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Liberation of the magnesia of magnesium silicates. 2,393,920; Jan. 29.
MacIntyre, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Treatment of dolomite and high-calcic limestones. 2,403,939; July 16.
MacIntyre, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Production of magnesium thiosulfate and magnesium oxide from dolomite. 2,403,940; July 16.
Mack, Arthur W.; *See—*
Schutte, August H., and Mack.
Mack, Edward L., New York, N. Y. Fastener. 2,396,736; Mar. 19.
Mack, Edward L., New York, N. Y. Razor blade and other cutting tool. 2,403,790; Oct. 8.
Mack, Gerry P., Jackson Heights, assignor to Advance Solvents & Chemical Corporation, New York, N. Y. Polymerization of butadienes. 2,398,105; Apr. 9.
Mack, Gerry P., Jackson Heights, assignor to Advance Solvents & Chemical Corporation, New York, N. Y. Liquid vinyl resin dispersion. 2,399,684; May 7.
Mack, Gerry P., Jackson Heights, N. Y., and C. A. Klebsattel, South Orange, N. J., assignors to Advance Solvents & Chemical Corporation, New York, N. Y. Drier metal salt and making it. 2,409,774; Oct. 22.
Mack Manufacturing Corporation, assignee: *See—*
Heiney, John W.
Mack Molding Company, Incorporated, assignee: *See—*
Gronemeyer, Erich.
Mack, Sterling C., Bangor, Pa., assignor to Julius Kayser & Co., Brooklyn, N. Y. Method of and mechanism for widening fabric on flat knitting machines. 2,402,200; June 18.
Mack, Sterling C., Bangor, Pa., assignor to Julius Kayser & Co., Brooklyn, N. Y. Hosiery. 2,409,138; Oct. 8.
Mack, Wayne E., Martins Ferry, Ohio, assignor, by mesne assignments, to Wheeling Steel Corporation, Wheeling, W. Va. Expanded metal load bearing structure. 2,408,082; Sept. 24.
Mack, Wayne E., Martins Ferry, Ohio, assignor, by mesne assignments, to Wheeling Steel Corporation, Wheeling, W. Va. Expanded metal load bearing structure. 2,408,083; Sept. 24.
MacKay, Angus, Dover, Mass. Navigation instrument. 2,411,690; Nov. 26.
Mackay, Johnstone S.; *See—*
Pink, Colin G., and Mackay.
Paden, Joseph H., and Mackay.
Weiser, Harry B., Smith, and Mackay.
Mackay Radio and Telegraph Company, assignee: *See—*
Alford, Andrew.
Mackaye, Henry D., Detroit, Mich. Oil burner. 2,408,865; Oct. 8.
Macke, Robert A., Roselle, and H. J. Zoeller, Union, N. J., assignors to Standard Oil Development Company. Refining waxes. 2,397,969; Apr. 9.
Mackechne, James G., Jr., Springfield, Mass. Treating and composition for cover cloth. 2,405,703; Aug. 13.
MacKendrick, David B., New York, N. Y. Electric switch. 2,401,650; June 4.
MacKenzie, Charles A.; *See—*
Rust, John B., and MacKenzie.
MacKenzie, Charles A., Upper Montclair, and L. Splatter, Irvington, N. J., assignors to Montclair Research Corporation. Proteinaceous-quaternary ammonium surface active agents and making same. 2,398,317; Apr. 9.
MacKenzie, Donald, assignor to Dowty Equipment Limited, Cheltenham, England. Fluid-actuated control system. 2,407,018; Sept. 3.
Mackenzie, John F.; *See—*
Roseby, Philip N., and Mackenzie.
MacKenzie, John F., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrical signaling system. 2,395,132; Feb. 19.
MacKenzie, Neal T., assignor to General Timber Service, Inc., Minn. Wooden plug. 2,392,751; Jan. 8.
MacKenzie, Thomas W., Cranford, N. J. Automatic telephone dialer. 2,391,911; Jan. 1.
MacKenzie, Thomas W., Cranford, N. J. Call key for automatic telephone dialers. 2,398,019; Apr. 9.
MacKenzie, Thomas W., Cranford, N. J. Automatic telephone dialer. 2,407,889; Sept. 17.
Mackey, Alexander S., Ottawa, Ontario, Canada, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lipstick holder. 2,412,999; Dec. 24.
Mackey, Stuart J., Rochester, and H. S. Wynn, Pittsford, assignors to General Railway Signal Company, Rochester, N. Y. Airplane dispatching system. 2,391,991; Jan. 1.
Mackintosh-Hemphill Company, assignee: *See—*
Daniels, Fred C. T.
Mackmann, Arthur, Chicago, Ill., assignor to Foote Bros. Gear and Machine Corporation. Fleetling device. 2,396,958; Mar. 19.
Mackmann, Arthur, assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Method of and apparatus for forming gear teeth. 2,410,544; Nov. 5.
Mackusiek, Byron L.; *See—*
Alves, Howard A., and Mackusiek.
Mackushan, Archibald, Chicago, Ill. Step adjustable wrist band. 2,412,164; Dec. 3.
MacLagan, Carl F.; *See—*
Bradshaw, Lawrence, Morrow, and MacLagan.
MacLaren, James T., Los Angeles, Calif. Chute structure for incinerators. 2,403,941; July 16.
MacLasko, John, Los Angeles, Calif. Sawhorse. 2,396,737; Mar. 19.
MacLaurin, Robert D.; *See—*
Kline, Hayden B., Fryer, and MacLaurin.
MacLaurin, Robert D., Lakewood, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Composition for conditioning thread. 2,404,240; July 16.
MacLaury, Waldo M., Cold Spring Harbor, N. Y. Hand-truck. 2,405,155; Aug. 6.
MacLean, Alexander F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Diglycidamide-sulphonic ketone condensation product. 2,402,061; June 11.
MacLean-Fogg Lock Nut Company, assignee: *See—*
Lane, Thomas D.
MacLean, John A., Jr.
MacLean, James M., Detroit, Mich. Wheel. 2,409,052; Oct. 8.
MacLean, John A., Jr., Winnetka, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Bolt and mounting therefor. 2,395,377; Feb. 19.
MacLean, Norman E., San Francisco, Calif. Refrigerating method and apparatus. 2,404,451; July 25.
MacLeod, Donald K., assignor to United Steel Fabricators, Inc., Wooster, Ohio. Sectional tank of the knockdown type. 2,402,253; June 18.
MacLeod, Douglas W., Ansonia, Conn. Luggage carrier. 2,409,346; Oct. 22.
MacLeod, Duncan W., Boston, assignor to General Latex and Chemical Corp., Cambridge, Mass. Modified latex. 2,392,825; Jan. 15.
MacMahon, James D., Niagara Falls, assignor to The Matheson Alkali Works, Inc., New York, N. Y. Detergent briquette. 2,412,819; Dec. 17.
MacManus, John, Yonkers, assignor to Cushman's Sons Inc., New York, N. Y. Method and apparatus for forming perforated pie coverings. 2,405,661; Aug. 13.
MacMillan, Charles W., Washington, D. C. Engine ignition controlling device. 2,394,792; Feb. 12.
MacMillan, Charles W., Washington, D. C. Valve clearance eliminating device. 2,404,241; July 16.
MacMillan, Douglas; *See—*
Vinton, John, and MacMillan.
MacMillan, Douglas M., Berkeley, J. Vinton, San Francisco, and A. C. Palva, Berkeley, Calif.; said Palva assignor to said Vinton. Colored gas signal. 2,398,545; Apr. 16.
MacMillan, Douglas M., and J. Vinton, Berkeley, Calif. Colored gas signal. 2,402,968; July 2.
MacMillan, Howard F., Mount Gilead, and P. C. Pocock, Marion, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Extrusion machine. 2,411,971; Dec. 3.
MacMillin, Howard F.; *See—*
Muller, John A., and MacMillin.
MacMillin, Howard F., W. Ernst, and G. A. Waldis, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Method and apparatus for plastic injection. 2,398,318; Apr. 9.
MacMullen, Clinton W., Syracuse, N. Y., assignor to Rohm & Haas Company, Philadelphia, Pa. Esters of pentahaloalkoxyalkanois. 2,401,261; May 28.

- MacMullen, Clinton W., and H. A. Bruson, assignors to Rohm & Haas Company, Philadelphia, Pa. Amino ethers. 2,393,336; Feb. 19.
- MacMullin, Robert B.: See—
Hunt, Basil G., and MacMullin.
- Wood, Joseph L., and MacMullin.
- MacMullin, Robert B., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of MgCl₂. 2,393,115; Jan. 15.
- MacMullin, Robert B., and G. G. Day, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Producing magnesium chloride flours containing suspended calcium carbonate. 2,400,360; May 14.
- MacNab, Marlan W., Chevy Chase, Md. Dressmaker's pattern. 2,411,328; Nov. 19.
- MacNair, Walter A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speech privacy system. 2,406,351; Aug. 27.
- MacNeil, Charles S. J.: See—
Blanchard, Werner J., MacNeil, Haines, and Martin.
- MacNeill, John B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,412,897; Dec. 17.
- MacNeille, Stephen M.: See—
Mihalyi, Joseph, and MacNeille.
- MacNeille, Stephen M., Oak Ridge, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,398,020; Apr. 9.
- MacNeille, Stephen M., assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,695; June.
- MacNeille, Stephen M., assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,696; June 4.
- MacNeille, Stephen M., assignor to Eastman Kodak Company, Rochester, N. Y. Explosively actuated high-speed shutter. 2,403,730; July 9.
- MacNeille, Stephen M., assignor to Eastman Kodak Company, Rochester, N. Y. Beam splitter. 2,403,731; July 9.
- MacNeille, Stephen M., Oak Ridge, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,403,732; July 9.
- MacNeille, Stephen M., and F. M. E. Holmes, assignors to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,697; June 4.
- MacNeille, Stephen M., and J. Mihalyi, assignors to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,698; June 4.
- Macomber, Frank P., Coral Gables, Fla. Match package. 2,392,991; Jan. 15.
- Macomber, James K.: See—
Davis, Arthur P., and Macomber.
- MacPherran, Charles C., and MacPherran, Frederic W. and C. C., and Van Ellis. MacPherran, Frederic W., and C. C. MacPherran, deceased, by N. A. Van Ellis, administratrix, assignors to N. A. Van Ellis, Milwaukee, Wis. Dehydrating foods. 2,401,493; June 4.
- MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Wheel brake. 2,408,938; Oct. 8.
- MacPherson, Hugh D., West New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trouble lockout arrangement. 2,396,797; Mar. 19.
- MacPherson, Hugh D., West New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,396,798; Mar. 19.
- MacKae, Walter S., Castle Hot Springs, Ariz. Truck unloading apparatus. 2,407,430; Sept. 10.
- Macy, James C., New Cumberland, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,398,433; Apr. 16.
- Macy, Victor M., U. S. Army, Fort Monmouth, N. J. Cable lasher. 2,402,172; June 18.
- Madden, Charles L.: See—
Eckebreck, Dana C., Madden, and Slaughter.
- Madden, Leo J., Whitesboro, assignor to Skenandoa Rayon Corporation, Utica, N. Y. Funnel. 2,411,049; Nov. 12.
- Maddock, Alan J., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Antenna system. 2,400,937; May 28.
- Maddock, Charles B., St. Louis, Mo., assignor to Baker & Company, Inc., Newark, N. J. Apparatus for forming surfaces of revolution. 2,403,668; July 9.
- Maddock, Robert H., Lakewood, and C. E. Krieger, assignors to The Midland Steel Products Company, Cleveland, Ohio. Fifth wheel mounting. 2,402,254; June 18.
- Maddox, Stanley V., Cheshammore, Coventry, assignor to H. M. Hobson (Aircraft & Motor) Components, London, England. Milling and like machine. 2,392,600; Jan. 8.
- Maddox, Stanley V., Cheshammore, Coventry, assignor to H. M. Hobson (Aircraft & Motor) Components Limited, London, England. Control system for aircraft engines. 2,398,319; Apr. 9.
- Maddox, Stanley V., Cheshammore, Coventry, assignor to H. M. Hobson (Aircraft & Motor) Components Limited, London, England. Power control for aircraft engines. 2,398,586; Apr. 16.
- Mader, Joseph, assignor to Maremont Automotive Products, Inc., Chicago, Ill. Disk mounting. 2,406,553; Aug. 27.
- Madison Manufacturing Company, assignee: See—
Steiner, Herman D.
- Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Hatch covers and locking means therefor. 2,405,040; July 30.
- Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door opening and closing device. 2,412,346; Dec. 10.
- Madsen, Carl W., deceased, Magna, Utah; D. H. Madsen, administratrix, assignor, by decree of distribution, to D. H. Madsen, Midvale, Utah. Shaft oiler. 2,402,565; July 16.
- Madsen, Dora H., administratrix: See—
Madsen, Carl W.
- Madsen, Dora H., assignee: See—
Madsen, Carl W.
- Madsen, Martin and W. M., Alhambra, Calif. Power means for road pugs. 2,397,613; Apr. 2.
- Madsen, Soren: See—
Keith, Claude D., O'Brien, and Madsen.
- Madsen, Stanley, Princeton, N. J. Picture frame or the like. 2,407,431; Sept. 10.
- Madsen, Walter M.: See—
Madsen, Martin and W. M.
- Maeder, Abbott S.: See—
Jenks, Frederic A., Folland, Maeder, and Cooke.
- Maeder, Charles J., Rome, Ohio. Toilet implements. 2,410,852; Oct. 29.
- Maffia, Anthony J., New York, N. Y. Adjustable cutter head. 2,402,650; June 25.
- Magazine Repeating Razor Company, assignee: See—
Kuhnl, Leopold, and Reyburn.
- Magdus, Henry H., East Cleveland, Ohio, assignor to General Electric Company, Multiflash lamp. 2,404,970; July 30.
- Magdus, Joseph, Chicago, Ill. Vehicle wheel. 2,404,308; July 16.
- Magee, Bruce V., Fair Haven, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Electrical recording. 2,391,912; Jan. 1.
- Magee, Kenneth L., Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis. Agricultural machine. 2,408,939; Oct. 8.
- Magee, Robert C., Dayton, Ohio. Shoe tree. 2,399,128; Apr. 23.
- Magee, Robert C., Dayton, Ohio. Slide-rule pencil. 2,412,820; Dec. 17.
- Magerkurth, Wilhelm A., and H. E. Buecken, assignors to National Rubber Machinery Company, Akron, Ohio. Apparatus for extruding thermoplastic materials. 2,407,503; Sept. 10.
- Mages, Morris L., assignor to Magnaflex Corporation, Chicago, Ill. Magnetic inspection. 2,392,168; Jan. 1.
- Mages, Morris L., assignor to Magnaflex Corporation, Chicago, Ill. Demagnetizing. 2,397,497; Apr. 2.
- Maggio, John B.: See—
Edson, James O. and W. A., and Maggio.
- Magill, Ellis M.: See—
Wilckens, Elbe A., and Magill.
- Magill, Herbert L., Chicago, Ill. Silencer unit. 2,397,556; Apr. 2.
- Magill, Herbert L., Chicago, Ill. Display box. 2,402,062; June 11.
- Magnaflex Corporation, assignee: See—
Coon, Grant W.
Doane, Foster B.
Mages, Morris L.
- Magnavox Company, The, assignee: See—
Quinnell, La Vern E.
- Magenat, René P.: See—
Riebold, Walter F., and Magenat.
- Magenat, René P., assignor to Waterbury Companies, Incorporated, Waterbury, Conn. Desk pad holder. 2,396,381; Mar. 12.
- Magenat, René P., assignor to Waterbury Companies, Incorporated, Waterbury, Conn. Key holder for Jacob's chuck attachment. 2,398,922; Mar. 19.
- Magnetic Analysis Corporation, assignee: See—
Zuschlag, Theodore.
- Magnus, Finn H., West Caldwell, assignor to International Plastic Harmonica Corporation, Newark, N. J. Plastic harmonica. 2,407,312; Sept. 10.
- Magnuski, Henry, assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio receiving system. 2,398,793; Apr. 23.
- Magnuski, Henry, assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio communication system. 2,408,791; Oct. 8.
- Magnuski, Henry, assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio receiving system. 2,409,139; Oct. 8.
- Magnusson, Knut J.: See—
Carson, Benjamin R., and Magnusson.
- Magrane, John K., Highland Park, A. R. Esterly, Metuchen, and R. E. Davies, Plainfield, N. J., assignor to Caltan Corporation of America. Making diallyl phthalate. 2,405,842; Aug. 13.
- Magrum, Gervase M., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic shock absorber piston and cylinder construction. 2,400,505; Oct. 15.

- Magnum, Gervase M., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Shock absorber. 2,401,170; Oct. 29.
- Magnum, Gervase M., and B. E. O'Connor, Buffalo, N. Y., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Gun structure and recoil control. 2,397,188; Mar. 26.
- Maguire Industries, Incorporated, assignee: See—
Fill, John V.
- Maguire, John J., assignor to Field and Flint Co., Brockton, Mass. Shoe. 2,397,361; Mar. 26.
- Maguire, Walter, Company, Inc., assignee: See—
Maguire, Walter R., and Lockwood.
- Maguire, Walter R., Manhasset, and E. J. Lockwood, Peekskill, assignors to Walter Maguire Company, Inc., New York, N. Y. Heat exchanger. 2,413,360; Dec. 31.
- Mahan, John C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of esters. 2,408,940; Oct. 8.
- Maher, Thomas C.: See—
Gerhardt, Andrew H., and Maher.
- Mahlberg, Elroy F., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coupling combination. 2,410,297; Oct. 29.
- Mahler, Bradley, assignee: See—
Fisk, Arthur.
- Mahlmeister, Louis J.: See—
Aller, Willis P., and Mahlmeister.
- Mahlmeister, Raymond A., assignor to The Sheffield Corporation, Dayton, Ohio. Wheel truing device. 2,392,332; Jan. 8.
- Mahlstadt, Sampson D.: See—
Miller, Leslie W., and Mahlstadt.
- Mahne, Irving H.: See—
Cleedy, Fred W., and Mahne.
- Mahnke, Kurt, Wilkesburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic winch control. 2,393,048; Jan. 15.
- Mahnke, Kurt, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current winch drive. 2,393,998; Feb. 5.
- Mahone, Francis D., Long Beach, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Emulsion introduction system for electric emulsion breakers. 2,393,328; Jan. 22.
- Mahoney, James A., and W. S. Anderson, assignors to Shoe Press Corporation, Philadelphia, Pa. Cementing outsoles to shoes. 2,395,133; Feb. 19.
- Mahoney, John R., Wilkesburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control circuit. 2,394,087; Feb. 5.
- Mahoney, John R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control system. 2,406,429; Aug. 27.
- Mahoney, John R., Pittsburgh, and H. J. Bichsel, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,404,971; July 30.
- Mahoney, Paul L.: See—
Teague, Merwyn C., and Mahoney.
- Mahusky, Frank E., Brooklyn, N. Y. Clamp. 2,412,225; Dec. 10.
- Maibaum, Jerome, New York, N. Y. Toy apparatus. 2,396,382; Mar. 12.
- Maier, August R.: See—
Bennett, Daniel A., and Maier.
- Maier, August R., Oil City, Pa., assignor to Oil Well Supply Company. Skid base for machinery and the like. 2,395,415; Feb. 26.
- Maier, Charles G., Los Altos, Calif., assignor to Pacific Bridge Company. Preparation of ores for alkaline roast. 2,394,793; Feb. 12.
- Maier, Curtis E., Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Varnish paper liner facing material. 2,412,592; Dec. 17.
- Maier-Hüser, Hans.: See—
Oberdörfer, Manfred, Bütenandt, Schmidt-Thomé Maier-Hüser.
- Main, David W., Denver, Colo. Airplane. 2,397,189; Mar. 26.
- Main, David W., Denver, Colo. Pitch control mechanism for rotors of rotary wing aircraft. 2,410,845; Nov. 5.
- Main, David W., Detroit, Mich. Airplane. 2,413,460; Dec. 31.
- Mairaldi, Marcus N.: See—
Mainardi, Pompey and M. N.
- Mainardi, Pompey, and M. N. Mainardi, Paterson, N. J. Stereoscopic optical system. 2,403,733; July 9.
- Maistre, Marcel, Neuchâtel, Switzerland. Balance wheel. 2,411,444; Nov. 19.
- Maizel, Ben, assignor to Vico Products Company, Chicago, Ill. Treatment of yeast to enhance vitamin potency thereof. 2,411,445; Nov. 19.
- Mallinger, Anthony, Astoria, N. Y., and B. E. Stevens, Demarest, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance device. 2,400,530; May 2.
- Major, John, Rahway, and E. W. Thomas, Cranford, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photometric process for gas analysis. 2,395,489; Feb. 26.
- Major, Randolph T.: See—
Folkers, Karl, and Major.
- Major, Randolph T., Mountinside, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Erythrina alkaloid and its production. 2,407,713; Sept. 17.
- Makaroff, Vadim S., assignee: See—
Jackson, Alexis.
- Makenny, William.: See—
Whitmore, James B., Makenny, and Newcombe.
- Maki, George J., U. S. Army, Elmhurst, Ill. Switching system. 2,393,645; Jan. 29.
- Maki, John G., assignor of one-half to A. S. Allen, Hanna, Wyo. Hay feeder. 2,412,643; Dec. 17.
- Maki, Richard T., Tompkins County, N. Y. Fish pole. 2,394,706; Feb. 12.
- Maky, Walter.: See—
Wolfram, John N., and Maky.
- Malcher, Otto, Chicago, Ill. Computing scale. 2,397,970; Apr. 9.
- Malcolm, Messrs. R. Limited, assignee: See—
Lobelle, Marcel J. O.
- Malcolmson, William J., Riverside, and R. V. Miner, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Manufacture of coated articles. 2,395,712; Apr. 9.
- Malcom, Robert, Chicago, Ill., assignor to Chicago Eye Shield Company, Chicago, Ill. Industrial eyeshield. 2,409,140; June 25.
- Malcom, Robert L., assignor to Chicago Eye Shield Company, Chicago, Ill. Eyeglasses. 2,398,021; Apr. 9.
- Malcom, Robert L., assignor to Chicago Eye Shield Company, Chicago, Ill. Industrial eyeshield. 2,409,140; Oct. 8.
- Malek, Sidney K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control mechanism. 2,407,170; Sept. 3.
- Malhot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Wrapping machine. 2,397,190; Mar. 26.
- Malhot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Wrapping machine. 2,407,190; Sept. 10.
- Malik, Joseph M.: See—
Wymann, Floyd H., and Malik.
- Malin, Jay B., Fishkill, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Internal-combustion engine. 2,411,740; Nov. 26.
- Malin, Jay B., Fishkill, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Fuel injection device for internal-combustion engines. 2,413,111; Dec. 24.
- Malin, Jay B., Fishkill, and W. N. Fenney, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Internal-combustion engine. 2,412,821; Dec. 17.
- Malina, Frank J., and M. M. Mills, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Motor. 2,400,242; May 14.
- Maling, Roy, West Roxbury, Mass. Footwear. 2,394,707; Feb. 12.
- Maling, Roy, West Roxbury, Mass. Footwear. 2,400,243; May 14.
- Maling, Roy, West Roxbury, Mass. Making footwear. 2,404,586; July 23.
- Maling, Roy, Chestnut Hill, Mass. Footwear. 2,404,587; July 23.
- Maling, Roy, West Roxbury, Mass. Footwear. 2,412,623; Dec. 17.
- Malke, Sven, assignor to A. O. Smith Corporation, Milwaukee, Wis. Rotary compressor. 2,411,929; Dec. 3.
- Malkin, Bernard A., assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Paper making machine. 2,402,063; June 11.
- Mall, Arthur W., Flossmoor, and W. L. Gorden, Chicago, Ill. Chain-saw machine. 2,409,775; Oct. 22.
- Mallard, Logan L., Norfolk, Va. Pneumatic ice tray and cube release. 2,404,972; July 30.
- Mallard, Logan L., assignor of one-half to H. C. Hofheimer, Ill., Norfolk, Va. Ice tray. 2,404,973; July 30.
- Mallard, Logan L., Norfolk, Va. Antifriction gearing. 2,408,686; Oct. 1.
- Mallett, John D.: See—
Micher, Walter W., and Mallett.
- Mallett, James E., and Mallett.
- Mallina, Rudolph F.: See—
Elliott, Stanley J., Hovegaard, Mallina, and Thomas.
- Hansen, Harry, and Mallina.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling device. 2,393,790; Jan. 29.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Key operated telephone call transmitter. 2,394,926; Feb. 12.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,394,927; Feb. 12.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Potentiometer device. 2,403,989; July 16.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotary driving mechanism. 2,405,388; Aug. 13.

- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York. N. Y. Telephone call transmitter. 2,412,624; Dec. 17.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York. N. Y. Telephone call transmitter. 2,412,625; Dec. 17.
- Mallinckrodt Chemical Works, assignee: *See*—
- Bush, Milton T.
- Farr, Henry V., and Ruhoff.
- Homeyer, August H.
- Wallingford, Vernon H., and Homeyer.
- Mallory, B. L. Company, The, assignee: *See*—
- Mallory, Bonnie L.
- Mallory, Bonnie L., Cleveland Heights, Ohio, assignor to The B. L. Mallory Company, Hazel Park, Mich. Shock absorber. 2,408,985; Oct. 8.
- Mallory, Clyde, Alhambra, Calif. Receptacle for loose discarded materials. 2,392,604; Jan. 8.
- Mallory, Gerald D., Akron, Ohio, assignor to Wingfoot Corporation. Joint for pressure suits. 2,410,786; Nov. 5.
- Mallory, Gerald D., Akron, Ohio, assignor to Wingfoot Corporation. Fatigue test for tire cord. 2,412,524; Dec. 10.
- Mallory, Marion, Detroit, Mich. Pressure ignition system for internal-combustion engines. 2,392,680; Jan. 8.
- Mallory, Marion, Detroit, Mich. Carburetor for internal-combustion engines. 2,392,681; Jan. 8.
- Mallory, Marion, Detroit, Mich. Internal-combustion engine. 2,392,933; Jan. 15.
- Mallory, Marion, Detroit, Mich. Degasser for internal combustion engines. 2,395,748; Feb. 26.
- Mallory, Marion, Detroit, Mich. Two-cycle internal-combustion engine. 2,403,106; July 2.
- Mallory, Marion, Detroit, Mich. Carburetor. 2,404,645; July 23.
- Mallory, Marion, Detroit, Mich. Valve. 2,406,087; Aug. 20.
- Mallory, Marion, Detroit, Mich. Free-wheeling device for automotive vehicles. 2,408,566; Oct. 1.
- Mallory, Marion, Detroit, Mich. Engine governor. 2,409,053; Oct. 8.
- Mallory, P. R. & Co., Inc., assignee: *See*—
- Arvin, Marion J.
- Boode, James M.
- Dahl, Harry
- Hensel, Franz R.
- Hensel, Franz R., and Larsen.
- Hensel, Franz R., Emmert, and Wiggs.
- Hensel, Franz R., Larsen, and Suggs.
- Huetten, Clarence
- Kunz, Walden H.
- McFarren, Lawrence E.
- Puerner, George O.
- Rilling, Floyd E.
- Wall, Alexander C.
- Malloy, John J., Cleveland Heights, Ohio, assignor to General Electric Company. Multiflash lamp device. 2,408,469; Oct. 1.
- Malm, Carl J., and L. W. Blanchard, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Pretreating cellulose to facilitate its acylation. 2,400,561; May 14.
- Malm, Carl J., and G. J. Clarke, assignors to Eastman Kodak Company, Rochester, N. Y. Bottle cap. 2,403,734; July 9.
- Malm, George P.: *See*—
- Hawthorne, Charles W., and Malm.
- Malmberg, Oscar: *See*—
- Liden, Ake, and Malmberg.
- Malmquist, Oscar V., Minneapolis, Minn. Potato ricer. 2,396,959; Mar. 19.
- Malmquist, Oscar V., Minneapolis, Minn. Toaster. 2,410,985; Nov. 12.
- Malo, William G., Marshall, Minn. Conveyor structure. 2,400,763; May 21.
- Malone, Homer E., assignor to Perflex Corporation, Milwaukee, Wis. Float valve. 2,400,560; May 21.
- Malone, Homer E., assignor to Perflex Corporation, Milwaukee, Wis. Relay Switch. 2,402,173; June 18.
- Malone, Homer E., assignor to Perflex Corporation, Milwaukee, Wis. Heating control system. 2,402,174; June 18.
- Malone, Homer E., assignor to Stewart-Warner Corporation, Chicago, Ill. Temperature indicator. 2,391,992; Jan. 8.
- Malone, Homer F., assignor to Stewart-Warner Corporation, Chicago, Ill. Pressure sending unit. 2,399,129; Apr. 23.
- Maloney, Martin E., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,408,432; Oct. 1.
- Maloney, Raymond T., assignee: *See*—
- Breithner, Robert H., Seiden, Breitenstein, and Nicolaus.
- Maloney, William J., Ansonia, Conn. Human carrier. 2,407,714; Sept. 17.
- Maloney, William T., Clinton, N. Y. Polishing machine and preparing same. 2,399,237; Apr. 30.
- Maloon, Earl B., Arcadia, and W. H. Yount, assignors to Southwest Welding & Mfg. Co., Alhambra, Calif. Hoisting apparatus. 2,401,172; May 28.
- Maltby, Wilson R.: *See*—
- Glennan, James B., Sellman, and Maltby.
- Maltby, Wilson R., Washington, D. C. Submarine mine. 2,388,794; Apr. 23.
- Malter, Bernard T.: *See*—
- Levinson, Arthur A., Malter, and Julian.
- Malter, Louis: *See*—
- Kilgore, George R., and Malter.
- Malter, Louis, Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,404,078; July 16.
- Malter, Louis, Newark, N. J., assignor to Radio Corporation of America. Photoelectric device. 2,412,822; Dec. 17.
- Malthaner, William A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,408,433; Oct. 1.
- Malthaner, William A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ice detecting system for aircraft. 2,412,626; Dec. 17.
- Maltine Company, The, assignee: *See*—
- Meyer, Arthur E.
- Mamtle, Adolph Z., Glen Rock, and L. A. Reed, Chatham, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile recorder. 2,393,329; Jan. 22.
- Manahan, Thomas M., assignor to International Shoe Company, St. Louis, Mo. Shoe construction. 2,401,089; May 29.
- Mandel, Jacob, New York, N. Y., assignor to Pronto File Corporation. Interlocking device for storage cabinets. 2,392,287; Jan. 1.
- Manderlee, James J., Chicago, Ill. Bushings for polishing wheels. 2,403,813; July 9.
- Manderstam, Leopold H., and L. W. Warner, London, England. Apparatus for use in the hydrogenation of oils. 2,410,670; Nov. 5.
- Mandt, Obert, Upper Arlington, assignor to The Jaeger Machine Company, Columbus, Ohio. Loading machine. 2,405,312; Aug. 6.
- Manewich, Anthony P., Detroit, Mich. Traffic signaling system. 2,407,432; Sept. 10.
- Manewich, Joseph J., Longmeadow, Mass. Countersink. 2,401,307; June 4.
- Manganese Bronze and Brass Company, The, assignee: *See*—
- Burrill, Lennard C.
- Maniscalco, Peter, Jr.: *See*—
- Maniscalco, Pietro and P.
- Maniscalco, Pietro, Chicago, Ill. Compressor. 2,403,814; July 9.
- Maniscalco, Pietro and P., Jr., Chicago, Ill., said Peter Maniscalco assignor to said Pietro Maniscalco. Compressor. 2,404,079; July 16.
- Manitoba Bridge & Iron Works Limited, assignee: *See*—
- McCulloch, John A., and Saslor.
- Manitowoc Shipbuilding Company, assignee: *See*—
- Cram, Herve G.
- Vinton, William U., and Myers.
- West, Robert D., and Vinton.
- Manke, Arthur G., Schenectady, N. Y., assignor to General Electric Company. Electric coupling system. 2,362,170; Jan. 1.
- Mankouski, Charles, Portland, Oreg. Holder for welding rods. 2,411,329; Nov. 19.
- Manley, H. Glen, assignee: *See*—
- Riess, August H.
- Manley, Ralph H.: *See*—
- Evans, Cyril D., and Manley.
- Mann, Cecil A., Dayton, Ohio. Fluid operated motor. 2,411,282; Nov. 19.
- Mann, Cecil A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for applying molten metal on strip stock. 2,405,220; Aug. 6.
- Mann, Cecil A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for impregnating strip stock. 2,405,221; Aug. 6.
- Mann, Cecil A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for making composite strip stock. 2,405,222; Aug. 6.
- Mann, Charles H., Great Neck, N. Y. Gardening device. 2,394,192; Feb. 5.
- Mann, Estle R., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Making inductance coils. 2,404,185; July 16.
- Mann, Harold C., Arlington, Mass. Tensile test specimen chuck. 2,394,555; Feb. 12.
- Mann, James A., San Francisco, Calif. File handle. 2,401,308; June 4.
- Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Pump. 2,413,461; Dec. 31.
- Mann, Julius W., and G. F. Russell, Tacoma, Wash. Method and apparatus for drying materials uniformly throughout their mass. 2,408,434; Oct. 1.
- Mann, Marlon G., Horseheads, N. Y. Passenger body ventilator. 2,397,282; Mar. 26.
- Mann, Miles H., West Hartford, Conn., assignor to Underwood Corporation. Typewriting machine. 2,394,390; Feb. 5.
- Mann, Miles H., Miami, Fla., assignor to Underwood Corporation. Typewriting machine. 2,407,433; Sept. 10.
- Mann, Reginald W., Monkseaton, and R. C. Wiles, Newcastle-on-Tyne, England, assignors to Victor Products (Walsend) Limited. Compressed air-driven drill. 2,407,613; Sept. 10.

- Mann, Walter N., S. Colfield, and E. Lawrenson, assignors to British Insulated Cables Limited, Prescott, England. Electric heating system for buildings. 2,406,884; Sept. 3.
- Manne, Moe, New York, N. Y. Finger ring. 2,394,794; Feb. 12.
- Mannerstedt, Folke K. E. and C. J. G. Darck, Stockholm, Sweden. Machine for development of power in a certain direction. 2,396,185; Mar. 5.
- Manney, Leopold D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Sound image in multilayer film. 2,401,699; June 4.
- Manninen, Thomas H., Stamford, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Production of butadiene. 2,399,049; Apr. 23.
- Manning, Bowman & Co., assignee: *See*—
Drechsler, Herman F., and Elsenheimer.
Manning, Fred W., Palo Alto, Calif. Tire construction. 2,411,659; Nov. 26.
- Manning, Fred W., Palo Alto, Calif. Making filter cartridges, abrasive sheets, scouring pads, and the like. 2,411,600; Nov. 26.
- Manning, Maxwell & Moore, Inc., assignee: *See*—
Beck, Rudolf.
Brongersma, Cornelius.
Hopkins, Frank H.
Mitchell, George A.
Moore, George E., and Miller.
- Manning, Paul D., V. Glencoe, Ill., assignor to International Minerals & Chemical Corporation. Hydrosalt-neutralization process. 2,405,223; Aug. 6.
- Manning, Sheldon F.: *See*—
Seborg, Earnest Y., Caldwell, and Manning.
- Manor, Willard O., assignor to Consolidated Paper Company, Monroe, Mich. Container wall. 2,411,580; Nov. 26.
- Mansell, Leland R., Poland, Ohio. Length control apparatus. 2,395,502; Feb. 26.
- Man-Sew Corp., assignee: *See*—
Wall, Byron T.
- Man-Sew Pinking Attachment Corp., assignee: *See*—
Schlesinger, Jacob.
Sigoda, Victor J., and J., and Cosentino.
- Mansfield, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Machine tool. 2,392,169; Jan. 1.
- Manson, Frank G., Chicago, Ill. Quick-release connector. 2,393,178; Jan. 15.
- Manson, Frank G., Chicago, Ill. Quick-release connector. 2,407,715; Sept. 17.
- Manson, Frank G., Chicago, Ill. Retainer for D-rings for parachute harnesses. 2,411,381; Nov. 19.
- Manson, Frank G., Chicago, Ill., and J. J. Maskey, Detroit, Mich. Parachute. 2,398,795; Apr. 23.
- Manson, Frank G., and J. J. Maskey, Dayton, Ohio. Life raft. 2,399,494; Apr. 30.
- Manson, Frank G., Chicago, Ill., and J. J. Maskey, Ferndale, Mich. Fabric. 2,409,370; Oct. 15.
- Manson, George J., Ottawa, Ontario, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Plastic compositions of polyvinyl ester and wax. 2,413,239; Dec. 24.
- Manson, James V.: *See*—
Bolton, George E., Heglund, and Manson.
- Manspeaker, Robert O., Chicago, Ill. Sandwich cookie machine. 2,394,795; Feb. 12.
- Mantle Lamp Company of America, The, assignee: *See*—
Bramming, Carl.
Hebard, Hugh C.
- Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Combined thermoelectric safety shutoff device and cock. 2,409,947; Oct. 22.
- Manuel, Robert W.: *See*—
Vande Bogart, Leonard G., and Manuel.
- Manwaring, Joshua G. D., Great Neck, N. Y. Locating device for hand stamps or the like. 2,402,651; June 25.
- Mapes Consolidated Manufacturing Company, assignee: *See*—
De Reamer, William J.
- Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Portable container and valve therefor. 2,398,434; Apr. 16.
- Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Container and bracket assembly. 2,402,175; June 18.
- Maples, John A., assignor to Leatham D. Smith Shipbuilding Co., Sturgeon Bay, Wis. Jig for trimming boiler tubes. 2,409,776; Oct. 22.
- Mappin, Vermont V., assignor to The Loudon Machinery Company, Fairfield, Iowa. Traveling crane. 2,411,218; Nov. 19.
- Marancik, Joseph V., Roselle, and D. B. MacClymont, Newark, N. J., assignors to Standard Oil Development Company. Expansion joint. 2,404,447; July 23.
- Marancik, Joseph V., Roselle, and R. F. Mildrum, Hillside, N. J., assignors to Standard Oil Development Company. Expansion joint. 2,406,234; Aug. 20.
- Marathon Corporation, assignee: *See*—
Salvesen, Jorgen R., Hossfeld, and Lovin.
Servis, Richard.
- Marble, Jarvis C., assignee, et al., trustee: *See*—
Lysholm, Alf.
- Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series capacitor protection. 2,399,367; Apr. 30.
- Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series capacitor protection. 2,401,009; May 28.
- Marbury, Ralph E., Wilkinsburg, and C. V. Fields, Chalfant Borough, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Water-cooled capacitor. 2,412,898; Dec. 17.
- Marcellus, Brooks, assignor to Barber Colman Company, Rockford, Ill. Bobbin winding machine. 2,409,639; Oct. 22.
- March Engineering Company, assignee: *See*—
Thornike, Herbert A.
- Marchant Calculating Machine Company, assignee: *See*—
Avery, Harold T.
Boyden, Robert E.
Mathl, Walter E.
- Marchant, Guy O., assignee: *See*—
Walker, Jay P.
- Marchant, William D., Weybridge, England. Controlling the supply of fuel to internal-combustion engines. 2,396,517; Mar. 12.
- Marchal, Charles W., St. Louis, Mo. Shoe-last. 2,392,826; Jan. 15.
- Marcus, Samuel M., Denver, Colo. Direction indicator. 2,402,255; June 18.
- Marcus, Solomon, Allentown, Pa., assignor to Gem Undergarment Co., Garment. 2,399,238; Apr. 30.
- Marcy, Grosvenor D., Newton Highlands, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Reservoir for liquids. 2,392,288; aJn. 1.
- Mardis, Paul L., Ilkley, assignor to The English Electric Company Limited, London, England. Speed governor switch. 2,412,347; Dec. 10.
- Marek, Leroy F.: *See*—
Avery, Julian M., and Marek.
- Marek, Leroy F., Lexington, Mass., assignor to Arthur D. Little, Inc. Decreasing the permeability of fabricated carbon shapes. 2,392,682; Jan. 8.
- Maremont Automotive Products, Inc., assignee: *See*—
Hedrick, Gale H.
Mader, Joseph H.
- Mares, Virgil L., Upper Darby, Pa., assignor to General Electric Company. Circuit interrupter. 2,399,495; Apr. 30.
- Margolin, Meyer, Elgin, Ill. Novel shoe construction. 2,405,224; Aug. 6.
- Margolin, Meyer, Elgin, Ill. Resilient insole. 2,407,670; Sept. 17.
- Margolin, Meyer, Elgin, Ill. Arch support. 2,408,792; Oct. 8.
- Margolin, Meyer, Elgin, Ill. Shoe sole construction. 2,412,226; Dec. 10.
- Margolis, Louis, assignor of five per cent to E. Berger, Washington, D. C. Rotary internal-combustion engine. 2,409,141; Oct. 8.
- Margolis, Michael, Newark, N. J. Composite shoe heel. 2,412,899; Dec. 17.
- Margot, Alfred: *See*—
Martin, Henry, and Margot.
- Margrave, Wilton: *See*—
Melichar, Joseph F., and Margrave.
- Marhofer, Laurence J.: *See*—
Vidal, Eugene L., and Marhofer.
- Marhofer, Laurence J., Haddon Heights, assignor to Vidal Corporation, Camden, N. J. Gilder. 2,407,563; Sept. 10.
- Mariani, Peter, Thomaston, Conn. Wheeled toy. 2,404,186; July 16.
- Marick, Louis, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y. Electrically heated cover. 2,404,736; July 23.
- Marien, Charles, and M. W. Marien, assignors to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring. 2,406,844; Sept. 3.
- Marien, Melvin W.: *See*—
Marien, Charles A., and M. W.
- Marlhart, Leo A., Monterey County, Calif. Agricultural machine. 2,400,562; May 21.
- Marine National Exchange Bank of Milwaukee, executor: *See*—
Merz, Otto H.
- Marine, Richard E., Pittsburgh, Pa. Vehicle lock. 2,413,025; Dec. 24.
- Marion, Thomas, South Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y. Flexible tube. 2,401,949; June 11.
- Marinsky, Davis, assignee: *See*—
Morin, Louis H.
- Marinsky, Davis, and L. H. Morin, Bronx, N. Y. Covered separable fastener. 2,392,934; Jan. 15.
- Marinsky, Davis, assignor of one-half to L. H. Morin, Bronx, N. Y. Two-way separable coupling fastener stringers. 2,395,677; Feb. 26.
- Marinsky, Davis, Bronx, assignor of one-half to L. H. Morin, New York, N. Y. Coupled sliders. 2,398,947; Apr. 23.
- Marinsky, Davis, New York, assignor of one-half to L. H. Morin, Bronx, N. Y. Slider for separable fasteners. 2,405,509; Aug. 6.
- Marion Manufacturing Company, assignee: *See*—
Greene, Oren W., Twitty, and Richie.

- Marion Steam Shovel Company, The, assignee: *See*—
Halby, Edwin G., and Bushong.
Mullins, Thomas C.
- Wilson, Ellis C., Stock, and Heffelfinger.
Mariotti, Anthony, Lorain, Ohio. Transit level. 2,407,960; Sept. 17.
- Maris, Harry B., Riverdale, Md. Recoll brake. 2,403,007; July 2.
- Marisic, Milton M.: *See*—
Kellett, John I., Marisic, and O'Kelly.
- Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion. 2,394,796; Feb. 12.
- Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Catalytic conversion of hydrocarbons. 2,400,465; May 14.
- Marisic, Milton M., Woodbury, and A. C. Schmitt, Wrentham, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Gel bead. 2,408,986; Oct. 8.
- Mark, Francis L., Redondo Beach, Calif. Filled asphalt and asphalt coated roofing compositions. 2,400,563; May 21.
- Markel, John M., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Manure loader. 2,402,064; June 11.
- Marker, Albert L., and E. W. Bergere, San Diego, Calif. Quick change drill chuck. 2,397,026; Mar. 19.
- Marker, Albert L., and E. W. Bergere, San Diego, Calif. Tensionometer. 2,401,401; July 15.
- Marker, Russell E., Mexico City, Mexico, H. M. Crooks, Jr., and E. L. Wittie, assignors to Parke, Davis & Company, Detroit, Mich. Sapogenin derivatives and preparation of same. 2,395,337; Feb. 18.
- Marker, Russell E., Mexico City, Mexico, H. M. Crooks, Jr., and E. L. Wittie, assignors to Parke, Davis & Company, Detroit, Mich. Sapogenin derivatives and preparation of same. 2,395,338; Feb. 18.
- Marker, Russell E., Mexico City, Mexico, H. M. Crooks, Jr., and E. L. Wittie, assignors to Parke, Davis & Company, Detroit, Mich. Sapogenin derivatives and preparation of same. 2,395,339; Feb. 18.
- Marker, Russell E., Mexico City, Mexico, H. M. Crooks, Jr., and E. L. Wittie, assignors to Parke, Davis & Company, Detroit, Mich. Sapogenin derivatives and preparation of same. 2,395,340; Feb. 19.
- Marker, Russell E., State College, Pa., and E. L. Wittie, assignors to Parke, Davis & Company, Detroit, Mich. Preparing sex hormones. 2,397,424; Mar. 26.
- Marker, Russell E., State College, Pa., and E. L. Wittie, assignors to Parke, Davis & Company, Detroit, Mich. Preparing sex hormones. 2,397,425; Mar. 26.
- Marker, Russell E., Mexico City, Mexico, and E. L. Wittie, assignors to Parke, Davis & Company, Detroit, Mich. Preparing sex hormones. 2,397,426; Mar. 26.
- Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sapogenin oxidation products and preparing the same. 2,406,885; Sept. 3.
- Marker, Russell E., Mexico City, Mexico, assignor to Parke, Davis & Company, Detroit, Mich. Hormone intermediates and preparation of same. 2,409,293; Oct. 15.
- Markes, Orland W., Detroit, Mich. Inking device. 2,400,958; May 28.
- Markley, Milton L.: *See*—
Craibtree, Leonard F., and Markey.
- Markley, Roscoe I., Montclair, assignor to Pollak Manufacturing Company, Arlington, N. J. Bomb releasing shackle. 2,409,575; Oct. 15.
- Markley, Roscoe I., Montclair, assignor to Pollak Manufacturing Company, Arlington, N. J. Joint band for exhaust manifold systems. 2,409,576; Oct. 15.
- Markley, Roscoe I., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Bomb releasing shackle. 2,410,036; Oct. 29.
- Markham, Charles E., St. Louis, and C. L. Martin, Overland, assignors to Carter Carburetor Corporation, St. Louis, Mo. Engine charge forming device. 2,400,156; May 14.
- Markie, George B., Jr., assignor to Freeland Spool & Bobbin Corp., Haverhill, Pa. Bobbin, spool, or the like. 2,397,362; Mar. 26.
- Markie, George B., Jr., assignor to Freeland Spool & Bobbin Corp., Hazleton, Pa. Spindle actuated tube locking adapter. 2,401,309; June 4.
- Markie, Joseph F., Camden, N. J. Can punch and closure. 2,407,484; Sept. 19.
- Markley, Howard R., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion process and apparatus. 2,405,364; Aug. 6.
- Markowitz, Philip, Homestead, Pa. Juice extractor. 2,394,459; Feb. 5.
- Marks, Alvin, Whitestone, N. Y. Polarizing crystalline formation by transfer and expansion. 2,398,435; Apr. 16.
- Marks, Alvin M., Whitestone, Long Island, N. Y. Polarizing illumination. 2,402,176; June 18.
- Marks, Barnard M.: *See*—
Goldrick, Richard M., and Marks.
- Marks, Emanuel S., trustee, assignee, et al.: *See*—
Edwards, Howard C.
- Marks, Louise P., assignee, et al.: *See*—
Edwards, Howard C.
- Marks, P. D. R.: *See*—
Houlgate, Henry J., and Marks.
- Marks, Ralph E., El Dorado Springs, Mo. Vacuum relieving attachment for boots and overshoes. 2,402,334; June 18.
- Markstrum, John A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Broach. 2,392,172; Jan. 1.
- Markstrum, John A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Cutting tool. 2,393,646; Jan. 29.
- Markwood, William H., Jr.: *See*—
Benning, Anthony F., and Markwood.
- Marley Company, Inc., The, assignee: *See*—
Mart, Leon T.
- Marlin Firearms Company, The, assignee: *See*—
Crowe, John.
- Jenkinson, Robert L.
- Marlow, Owen W., Rock Island, Ill. Locking device. 2,395,393; Mar. 5.
- Marmon-Herrington Company, Inc., assignee: *See*—
Powell, William S.
- Schon, Pierre.
- Marple, Elmore B., Wichita, Kans. Locating lost aircraft. 2,396,960; Mar. 19.
- Marple, Kenneth E.: *See*—
Bent, Franklin A., and Marple.
- Marple, Rollo, assignor to Hancock Manufacturing Company, Jackson, Mich. Latch. 2,393,647; Jan. 29.
- Marquardt, Leonard A., Elmhurst, assignor to W. H. Inc., Chicago, Ill. Railway car truck. 2,408,866; Oct. 8.
- Marquette Metal Products Company, assignee: *See*—
Carey, Leroy J.
- Marquette Metal Products Company, The, assignee: *See*—
Sacchini, Columbus R.
- Taylor, Rhoderic F.
- Marren, Thomas, Stamford, Conn. Groove-finishing apparatus. 2,398,022; Apr. 9.
- Mars, Solomon, New York, N. Y. Anchor watch strap. 2,411,445; Nov. 19.
- Marsack, Max, assignor to Marsack Patents Corporation, Milwaukee, Wis. Mattress. 2,398,237; Apr. 9.
- Marsack Patents Corporation, assignee: *See*—
Marsack, Max.
- Marschner, Robert F., Homewood, assignor to Standard Oil Company, Chicago, Ill. Conversion of naphthene hydrocarbons. 2,396,331; Mar. 12.
- Marschner, Robert F., Homewood, assignor to Standard Oil Company, Chicago, Ill. Aviation gasoline production. 2,403,569; July 9.
- Marschner, Robert F., assignor to Standard Oil Company, Chicago, Ill. Superfuel. 2,407,716; Sept. 17.
- Marschner, Robert F., Homewood, assignor to Standard Oil Company, Chicago, Ill. Aviation superfuel. 2,407,717; Sept. 17.
- Marschner, Robert F., Homewood, Ill., and D. R. Carmody, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Aviation superfuel. 2,407,718; Sept. 17.
- Marsden, James, Schenectady, N. Y., assignor to General Electric Company. Preparing polysiloxane resins. 2,406,621; Aug. 27.
- Marsh, Delos H., assignor to Richard R. Stoddard, Los Angeles, Calif. Remote-operating control device. 2,395,563; Feb. 26.
- Marsh, Emma L.: *See*—
Brennan, Joseph B., and Marsh.
- Marsh, Esli A.: *See*—
Hartman, Carl H., Marsh, and Dorrington.
- Marsh, Gerald C., assignor to Gresham & Craven Limited, Salford, England. Liquid elevating apparatus. 2,400,681; May 21.
- Marsh, Henry R.: *See*—
Gwaltney, Eugene C., and Marsh.
- Marsh, Jay L.: *See*—
Murray, Irvin L., Marsh, and Smith.
- Marsh, Jay L., and M. E. Hitchcock, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Recovery method in making butadiene. 2,395,057; Feb. 19.
- Marsh, Robert L., assignor to Aluminum Company of America, Pittsburgh, Pa. Heating metal bodies preparatory to hot working. 2,406,554; Aug. 27.
- Marsh, Myrle O., Fort Wayne, Ind., assignor to General Electric Company. Ignition unit. 2,392,171; Jan. 1.
- Marsh, Nat H., Baytown, Tex., assignor to Standard Oil Development Company. Isomerization of olefins. 2,405,440; Aug. 6.
- Marsh, Sidney C., Hohokus, assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid pressure media dispensing device. 2,410,530; Nov. 12.
- Marsh Wall Products, Inc., assignee: *See*—
Robinson, Joseph, Jr.
- Marsh, Walter H., Crafton, and E. Thorsen, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Automatic predetermining device. 2,405,589; Aug. 13.
- Marshall, Edward T.: *See*—
Green, Arthur D., Lane, and Marshall.
- Marshall, Gertrude R., Schenectady, N. Y., assignor to C. J. Bates & Son, Chester, Conn. Cable-stitch holder. 2,404,855; July 30.
- Marshall, William A., Jr., Oak Park, Ill., assignor to Crane Co., Chicago, Ill. Valve testing machine. 2,405,924; Aug. 13.

- Marshauss, Anthony J., Euclid, Ohio. Knife. 2,397,875; Apr. 2.
- Marsilius, Newman M., Bridgeport, Conn. Milling machine. 2,392,752; Jan. 8.
- Martin, Jesse, assignor to International Resistance Company, Philadelphia, Pa. Resistor construction. 2,412,462; Dec. 10.
- Mart, Leon T., Mission Township, Johnson County, assignor to The Marley Company, Inc., Kansas City, Kans. Multipart distribution nozzle. 2,409,371; Oct. 15.
- Martin, Archworth, Pittsburgh, Pa. Weaving apparatus. 2,392,489; Jan. 8.
- Martin Band Instrument Company, The, assignee: See—Swinehart, Oscar E.
- Martin, Boyd G., Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Gryo assembly. 2,409,875; Oct. 22.
- Martin, Carl A., Negaunee, Mich. Projectile. 2,393,648; Jan. 29.
- Martin, Charles A., Buffalo, N. Y. Dust collector for tile cutting and similar machines. 2,394,556; Feb. 12.
- Martin, Charles A., Buffalo, N. Y. Machine for cutting tile and like workpieces. 2,399,239; Apr. 30.
- Martin, Charles A., Buffalo, N. Y. Hoisting apparatus. 2,400,989; May 28.
- Martin, Charles C., Savannah, Ga. Sanitary field latrine. 2,410,092; Oct. 29.
- Martin, Charles L., See—Markham, Charles E. and Martin.
- Martin, Charles L., Overland, assignor to Carter Carburetor Corporation, St. Louis, Mo. Passage plug. 2,409,294; Oct. 15.
- Martin, Charles W., Chattanooga, Tenn. Sewing machine attachment. 2,408,025; Sept. 24.
- Martin, Clarence P., Comstock Park, Mich. Razor blade sharpener. 2,393,791; Jan. 29.
- Martin Dennis Company, The, assignee: See—Frenworth, Frederick C.
- Martin, Donald M., Tenafly, N. J., assignor to Aqua-See Corporation, New York, N. Y. Sizing warp yarns. 2,402,652; June 25.
- Martin, Earle, Hutchinson, Kans. Trousers construction. 2,410,092; Oct. 29.
- Martin, Edward J., Pleasant Ridge, and C. E. Grinstead, assignors to General Motors Corporation, Detroit, Mich. Inductor compass. 2,403,669; July 9.
- Martin, Edward J., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Gun sighting device. 2,405,441; Aug. 6.
- Martin, Edward J., Pleasant Ridge, and C. E. Grinstead, assignors to General Motors Corporation, Detroit, Mich. Light meter. 2,407,564; Sept. 10.
- Martin, Edward J., Pleasant Ridge, Mich., C. E. Grinstead, West Hartford, Conn., and R. N. Frawley, assignors to General Motors Corporation, Detroit, Mich. Shaft torsion measuring means. 2,409,876; Oct. 22.
- Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of halogenated ethylenes. 2,396,713; Mar. 19.
- Martin, Elmore L., Edgemore Terrace, Wilmington, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of epsilon-caprolactam. 2,405,969; Aug. 20.
- Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,409,948; Oct. 22.
- Martin, Erle: See—Caldwell, Frank W., Martin, and Vincent.
- Martin, Erle, West Hartford, and E. D. Eaton, Wethersfield, assignors to United Aircraft Corporation, East Hartford, Conn. Governor control mechanism. 2,397,876; Apr. 2.
- Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Governor control. 2,393,719; Apr. 16.
- Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller control. 2,402,065; June 11.
- Martin, Eugene, Westerville, Pa., assignor to The Standard Stoker Company, Incorporated. Fuel receiving and conveying apparatus. 2,412,408; Dec. 10.
- Martin, Eugene W., Denver, Colo. Lock nut and assembling same. 2,412,409; Dec. 10.
- Martin, Fred D.: See—Lindqvist, Olof V., and Martin.
- Martin, George W., Oakland, Calif. Tank flushing device. 2,412,738; Dec. 17.
- Martin, Glenn L., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Docking flying boats. 2,411,382; Nov. 19.
- Martin, Glenn L., Company, The, assignee: See—Adreon, Carroll E. Black, John B. Bozarth, Kenneth R. De Bell, George W., and Hill. Gray, Reid B. Gray, Reid B., and De Weese. Hill, Thomas C. Little, Gordon H. Martin, Glenn L. Miller, Leslie T. Newcomer, Jacob R., Jr., and Adreon.
- Martin, Glenn L., Company, The, assignee: See—Continued.
- O'Neal, William B. Peppersack, Francis J. Phillips, Michael J. Pierson, John D. Piper, Paul A. Riggles, William M., Jr. Ruebensal, Clayton F. Soeken, John E. Tormollan, Owen E., Jr. Turnbull, William J., and Buchal. Valentyn, Peter H. Van Zelm, William D. Vlcek, Adolph, Jr. Von Stackelberg, Jurgen Z.
- Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,407,504; Sept. 10.
- Martin, Harry M., assignor to Martin Laboratories, Inc., New York, N. Y. Manufacture of thio-acids and derivatives. 2,413,361; Dec. 31.
- Martin, Harry R., Polk County, Iowa. Cutter. 2,398,383; Apr. 16.
- Martin, Henry, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Piperidinoethanol ester of di-n-butyl acetic acid. 2,411,283; Nov. 19.
- Martin, Henry, Basel, R. Hirt, Riehen, and A. Staub, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. 4-anilino-benzene-sulfone-carbamie acid derivative. 2,411,661; Nov. 26.
- Martin, Henry, F. Häfziger, K. Gätzl, and A. Grob, assignors to J. R. Geigy A. G., Basel, Switzerland. Amino-ethers and their manufacture. 2,397,799; Apr. 2.
- Martin, Henry, and F. Häfziger, assignors to J. R. Geigy A. G., Basel, Switzerland. Basic esters of 1-arylcycloalkyl-1-carboxylic acids and their manufacture. 2,404,588; July 23.
- Martin, Henry, and H. Gysin, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. Imino-di-fatty acid amide. 2,411,662; Nov. 26.
- Martin, Henry G., Jr., New Orleans, La., assignor to Standard Oil Development Company. Pressure reduction valve for bottled gas systems. 2,393,545; Jan. 22.
- Martin, Homer Z., Elizabeth, E. V. Murphree, and E. J. Gohr, Summit, and J. M. Graham, Dunellen, N. J., assignors to Standard Oil Development Company. Conversion processes and apparatus therefor. 2,394,928; Feb. 12.
- Martin, Homer Z., Cranford, N. J., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,396,109; Mar. 5.
- Martin, Homer Z., Cranford, N. J., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,399,050; Apr. 23.
- Martin, Homer Z., Elizabeth, N. J., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,406,555; Aug. 27.
- Martin, James, Higher Denham, near Uxbridge, England. Hinged mounting for control members of aircraft. 2,393,547; Jan. 22.
- Martin, James, Higher Denham, near Uxbridge, England. Quick-release hood for airplane cabins. 2,594,425; Feb. 5.
- Martin, James V., Rochelle Park, N. J. Steel spring spoke tire. 2,404,974; July 30.
- Martin, James W., assignor to Lone Star Gas Company, Dallas, Tex. Vaporizing apparatus. 2,408,084; Sept. 24.
- Martin, Joseph A., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,404,309; July 16.
- Martin, Joseph F., Jr., and E. Jastrzembski, Detroit, Mich.: said Jastrzembski assignor to said J. F. Martin, Jr. Toy. 2,398,023; Apr. 9.
- Martin, Joseph F., Jr., and H. O. Noder, Detroit, Mich.: said Noder assignor to said J. F. Martin, Jr. Toy. 2,398,024; Apr. 9.
- Martin, Joseph F., Jr., Detroit, and L. J. Rudzinski, Hamtuck, Mich.: said Rudzinski assignor to said J. F. Martin, Jr. Toy. 2,398,025; Apr. 9.
- Martin, Kenneth E., Newfane, N. Y. Material handling attachment for tractors. 2,395,634; Feb. 26.
- Martin Laboratories, Inc., assignee: See—Martin, Harry M.
- Martin, Louis D., assignor to Eastman Kodak Company, Rochester, N. Y. Spur gear testing machine. 2,394,623; Feb. 12.
- Martin, Louis D., assignor to Eastman Kodak Company, Rochester, N. Y. Gear testing work holder. 2,403,008; July 2.
- Martin, Marion E., administratrix: See—Martin, Otis C.
- Martin, Mervin E.: See—Haney, Clifford L., Martin, and Andrews. Schneider, George, and Martin.
- Martin, Norman H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Terminal assembly for electric circuits. 2,397,283; Mar. 26.
- Martin, Oris C., deceased, Los Angeles, Calif.; M. E. Martin, administratrix. Matrix for making light transmitting screens. 2,404,448; July 23.

- Martin, Paul J., Detroit, Mich. Toy bomber airplane. 2,405,313; Aug. 6.
- Martin, Perry S., Harrisonburg, Va. Solid fuel heating stove. 2,399,814; May 7.
- Martin, Perry S., Harrisonburg, Pa. Heat regulator. 2,406,088; Aug. 20.
- Martin, Philip, Camarillo, Calif. Thermostat controlled alarm. 2,408,667; Oct. 1.
- Martin, Ralph C., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Suit and making. 2,392,992; Jan. 15.
- Martin, Richard, Tulsa, Okla., assignor to Illinois Powder Manufacturing Company, St. Louis, Mo. Explosive cartridge assembly. 2,396,518; Mar. 12.
- Martin, Robert: *See*—
Mellor, Albert, and Martin.
- Martin, Robert E., San Jose, Calif. Fruit gatherer. 2,402,201; June 18.
- Martin, Russell, assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Floor furnace. 2,392,541; Jan. 8.
- Martin, Russell, assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Furnace assembly. 2,407,375; Sept. 10.
- Martin, Samuel H.: *See*—
Denniston, Adolph L., and Martin.
- Martin, Samuel M.: *See*—
Lembitz, Joseph J., Martin, and Miller.
- Martin, Samuel M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Making cords. 2,403,815; July 9.
- Martin, Samuel M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cords and making cord. 2,403,816; July 9.
- Martin, Sida S., executrix: *See*—
Boynton, Alexander.
- Martin, Sida S., executrix: *See*—
Boynton, Alexander.
- Martin, Silas M.: *See*—
Folsom, Noel J., and Martin.
- Martin, Stanley D., Waltham, Mass. Apparatus for instruction in the use of firearms. 2,396,017; Mar. 5.
- Martin, Thomas A., Jamaica, N. Y. Brake control for motor vehicles. 2,403,870; July 9.
- Martin, Thomas B.: *See*—
Blanchard, Werner J., MacNeil, Haines, and Martin.
- Martin, Thomas B., and J. F. Haines, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Governor valve. 2,407,791; Sept. 17.
- Martin, Virgil E. C., Hayward, Calif. Foot actuated switch. 2,413,148; Dec. 24.
- Martin, Wade B., Ramsey, N. J., assignor to American Telephone and Telegraph Company. Secret signaling system. 2,411,494; June 4.
- Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Welding. 2,399,815; May 7.
- Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Assembling containers. 2,413,639; Dec. 31.
- Martin, William, Chicago, Ill. Picture frame. 2,401,495; June 4.
- Martin, William H.: *See*—
Goodale, Walter D., Jr., Lewis, and Martin.
- Martin, William H., Lakewood, Ohio, assignor, by mesne assignments, to Republic Industries, Inc., New York, N. Y. Corrosion-resistant fluid heating tank. 2,403,670; July 9.
- Martin, William J., Swissvale, Pa. Toy track. 2,399,876; May 7.
- Martin, William L.: *See*—
Garverich, Edwin S., and Martin.
- Martineau, Joseph A. B., Penticton, Province of British Columbia, Canada. Rotary barrel gun. 2,406,089; Aug. 20.
- Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article feeding apparatus. 2,412,278; Dec. 10.
- Martinez, Emil J., Chicago, Ill. Micrometer attachment. 2,401,951; June 11.
- Martinez, Eugene F., Cleveland, Ohio. Gauging device. 2,392,850; Jan. 15.
- Martinez, Eugene F., Cleveland, Ohio. Gauging device. 2,397,971; Apr. 9.
- Martinez, Eugene F., Cleveland, Ohio. Gauging device. 2,410,093; Oct. 29.
- Martinez, Eugene F., Cleveland, Ohio. Gauging device. 2,410,094; Oct. 29.
- Martines, Rene, Cranston, R. I. Starting circuit for gas filled discharge tubes. 2,399,557; Apr. 30.
- Martines, Rene, Cranston, R. I. Tool. 2,410,889; Nov. 12.
- Martinez, Rafael, Vancouver, Wash. Bottle carrier. 2,398,948; Apr. 23.
- Martinothi, Pietro, Paris, France; vested in the Allen Property Custodian. Aircraft propeller. 2,394,460; Feb. 5.
- Martinson, Lawrence E.: *See*—
Baillard, Albert E., and Martinson.
- Martlowicz, Chester P., New York, N. Y., assignor, by mesne assignments, to H. L. Crowley, South Orange, N. J. Stable tuning device for high-frequency radio circuits. 2,394,391; Feb. 5.
- Marty, Mathew J., Chicago, Ill. Fastening device. 2,399,750; May 7.
- Martz, William M., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Electrodeposition of indium. 2,409,983; Oct. 22.
- Maruri, Jesus F., Pina, Cuba. Tube cleaner. 2,392,490; Jan. 8.
- Marvel Equipment Corporation, assignee: *See*—
Roethel, John H.
- Marvel, Harvey E., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Control mechanism for dispensing apparatus. 2,405,264; Aug. 6.
- Marvel Slide Fastener Corporation, assignee: *See*—
Norkin, Morris.
- Marvin, John T., and R. P. Koehring, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Porous metal article. 2,409,295; Oct. 15.
- Marvin, Ralph J., and A. Wiebe, Los Angeles, Calif. Combination compression and oil scraping ring. 2,410,177; Oct. 29.
- Maryland Baking Company, assignee: *See*—
Glassner, Mitchell.
- Marx, Frank A., Bridgetown, assignor to The Richardson Taylor-Globe Corporation, Cincinnati, Ohio. Carton. 2,399,649; May 7.
- Marxer, Adrian: *See*—
Miescher, Karl, and Marxer.
- Marzocchi, Luigi, Milan, Italy; vested in the Allen Property Custodian. Conveyor for cylindrical articles. 2,396,589; Mar. 12.
- Mas, George N., Washington, D. C. Protecting shield. 2,406,090; Aug. 20.
- Mascarenhas, Eneas G., Juiz De Fora, Brazil. Tire cutting machine. 2,394,392; Feb. 5.
- Masek, Erwin J., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostat circuit. 2,394,708; Feb. 12.
- Mashburn, Robert T., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del. Sizing compositions. 2,393,179; Jan. 15.
- Mashburn, Robert T., Parchment, Mich., assignor to Hercules Powder Company, Wilmington, Del. Dry size compositions. 2,401,090; May 28.
- Mashmeyer, Herman, Jacksonville, Fla. Awning. 2,407,026; Sept. 3.
- Maskey, James J.: *See*—
Mason, Frank G., and Maskey.
- Maskey, James J.: *See*—
Manson, Frank G.
- Maslin, Robert M., Sayre, Pa., assignor to International Business Machines Corporation, New York, N. Y. Cutting tool. 2,412,525; Dec. 10.
- Mason, Ernest J., Marion, Ind. Locking sectional handle. Re. 22,749; Apr. 30.
- Mason, Ernest J., Marion, Ind. Self-locking, identical half handle structure. 2,398,436; Apr. 16.
- Mason, Frederick P., Croydon, assignor to Creed and Company Limited, Croydon, Surrey, England. Radio telegraph receiving arrangement. 2,393,921; Jan. 29.
- Mason, George: *See*—
Ketelbey, Frederick H., and Mason.
- Mason, Jacob A., Newark, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fuel burner. 2,396,867; Mar. 19.
- Mason, James A.: *See*—
Harvey, Valentine P., and Mason.
- Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Reduction of aromatic nitro compounds. 2,402,423; June 18.
- Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Producing catalyst. 2,410,890; Nov. 12.
- Mason, Ralph B., and J. A. Pierce, Baton Rouge, La., assignors to Standard Oil Development Company. Hydrogen chloride manufacture. 2,403,735; July 9.
- Mason, Reginald D., Richmond, and A. C. Justesen, Heston, England. Manufacture of cream substitutes. 2,407,027; Sept. 3.
- Mason, Richard C., Tulsa, Okla. Device for measuring length of a line run into or removed from a bore hole. 2,401,576; June 4.
- Mason, Robert E., Sewickley, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reversible single phase motor. 2,406,430; Aug. 27.
- Mason, Vayne V., Scotch Plains, assignor to Elastic Stop Nut Corporation of America, Union, N. J. Fastening device and manufacture thereof. 2,407,314; Sept. 10.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measuring the impedance and reflection coefficients of surfaces. 2,394,461; Feb. 5.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protecting ships from submarine explosions. 2,401,361; June 4.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave radiator. 2,403,990; July 16.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Prismatic and high power compressional-wave radiator and receiver. 2,404,391; July 23.

- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signal system. 2,405,225; Aug. 6.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Low frequency projector or hydrophone. 2,405,226; Aug. 6.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Geometrical instrument. 2,405,227; Aug. 6.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Detonation shield. 2,405,590; Aug. 13.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Training device. 2,405,591; Aug. 13.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave directional, prismatic, and focusing system. 2,405,591; Aug. 27.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Liquid medium for ultrasonic compressional wave transmission. 2,407,315; Sept. 10.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pipe antenna and pump. 2,408,435; Oct. 1.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex compressional wave system. 2,408,436; Oct. 1.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiating system. 2,411,551; Nov. 26.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray indicating device. 2,413,026; Dec. 24.
- Mason, William C., Inspiration, Ariz., assignor to Inspiration Consolidated Copper Company. Electrolysis of copper. 2,408,668; Oct. 1.
- Mason, Veyne V., Scotch Plains, assignor to Elastic Stop Nut Corporation, Union, N. J. Manufacture of nuts and the like. 2,408,793; Oct. 8.
- Massa, Ernest A., See—
Flory, Leslie E., Massa, and Morton.
- Massa, Frank, Audubon, N. J., assignor to Radio Corporation of America. Electroacoustical apparatus and using the same. 2,396,519; Mar. 12.
- Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Transducer. 2,413,462; Dec. 31.
- Massarene, James S., Oradell, assignor to Interchemical Corporation, New York, N. Y. Pigmented prolamine composition. 2,396,430; Mar. 12.
- Massarene, James S., Oradell, N. J., assignor to Interchemical Corporation, New York, N. Y. Phonograph record compositions. 2,403,448; July 9.
- Massey-Harris Co., Ltd., assignee: See—
Carroll, Thomas.
- Pfost, Lester S.
- Massey-Harris Company, The, assignee: See—
Everett, Charles E.
- Massey, Peter J., and L. M. Burgess, assignors to H. P. Smith Paper Company, Chicago, Ill. Coating sheet materials. 2,402,903; June 25.
- Mast, Gifford M.; See—
Fleischer, Max, and Mast.
- Masteller, Malcolm L., Miami, Fla. Master cylinders. 2,391,913; Jan. 1.
- Master Electric Company, The, assignee: See—
Dicke, Carl H.
- Master Machine & Tool Company, assignee: See—
Antonidis, James E.
- Masters, Robert W., Eriton, N. J., assignor to Radio Corporation of America. Transmission coupling circuit. 2,405,314; Aug. 6.
- Mastney, Edward J., Berwyn, and J. H. Williams, Chicago, Ill., assignors to Oak Manufacturing Co. Presselecting mechanism. Re. 22,790; Sept. 10.
- Mastrangelo, Bianca, assignee, et al.: See—
Mastrangelo, Frank.
- Mastrangelo, Faustina, assignee, et al.: See—
Mastrangelo, Frank.
- Mastrangelo, Frank, Fitchburg, assignor of one-half to F. Mastrangelo, Lunenburg, and one-half to B. Mastrangelo, Fitchburg, Mass. Sash fastener. 2,396,520; Mar. 12.
- Masts Limited, assignee: See—
Scrivener, William C., and Brewer.
- Masoud, Peter, Norwood, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Desiccated virus vaccines and producing same. 2,399,443; Apr. 30.
- Matchett, John R.; See—
Volner, Herbert J., Matchett, and Levine.
- Matchett, Mahlon M., Detroit, Mich. Gear fixture. 2,394,624; Feb. 12.
- Mathee, William H., Jr., and W. T. Lewis, assignors to Whitman Publishing Company, Racine, Wis. Model concrete construction. 2,399,180; Apr. 23.
- Matheisel, Rudolph A., Jr., Tilton, N. H. Motor. 2,392,052; Jan. 1.
- Mathers, Stephen P., Philadelphia, Pa., assignor to National Equipment Co., New York, N. Y. Stacking machine. 2,403,942; July 16.
- Mathes, Kenneth N., and B. A. Wasiewicz, Schenectady, N. Y., assignors to General Electric Company. Preparation of methyl polysiloxane resins. 2,405,041; July 30.
- Mathes, Richard E.; See—
Beverage, Harold H., and Mathes.
- Mathes, Richard E., Silver Spring, Md., assignor to Radio Corporation of America. Enciphering and deciphering system. 2,401,877; June 11.
- Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Device for secret communication. 2,402,067; June 11.
- Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Recording stylus. 2,404,975; July 30.
- Mathes, Roger A.; See—
Jones, Paul C., and Mathes.
- Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. 2-thiocyanothiazolines. 2,391,993; Jan. 1.
- Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Purification of mercaptothiazoles. 2,392,935; Jan. 15.
- Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. 5-arylcabamyl 2-mercaptopthiazoles. 2,402,066; June 11.
- Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Zinc mercaptide-aminothiazoline reaction product. 2,407,565; Sept. 10.
- Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reaction products of dithaloethers with dithiocarbamates. 2,411,219; Nov. 19.
- Mathes, Roger A., Akron, and P. C. Jones, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Bisdimethylene thiuram polysulphides. 2,407,566; Sept. 10.
- Mathews Conveyor Company, assignee: See—
Anderson, Martin J.
- Bowen, Merel S.
- Mathews, Martin D., Indianapolis, Ind. Insulator. 2,406,095; Aug. 20.
- Mathewson, Charles F., Buffalo, N. Y. Mechanical band spread for radio tuning. 2,400,699; May 21.
- Mathey, C. A., assignee, et al.: See—
Howard, Posy A.
- Mathl, Walter E., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,400,244; May 14.
- Mathias, David L.; See—
Work, Lincoln T., and Mathias.
- Mathieson Alkali Works, Inc., assignee: See—
Gardiner, William C.
- Hampel, Clifford A., and Weller.
- Hunt, Basil G.
- Hunt, Basil G., and MacMullin.
- Hutchinson, Willis S.
- MacMahon, Robert B.
- Petroe, Gregory A.
- Vincent, George P.
- Vincent, George P., and Dubeau.
- Mathieson Alkali Works, Inc., The, assignee: See—
Clark, Charles C.
- Erickson, Edwin R.
- Gardiner, William C.
- Hutchinson, Willis S.
- Hutchinson, Willis S., and Woodward.
- MacMahon, James D.
- MacMullin, Robert B., and Day.
- Vincent, George P.
- Vincent, George P., and Dubeau.
- Weller, Joseph F.
- Wood, Joseph L., and MacMullin.
- Mathieson, Andrew, assignor to Bendix Aviation Corporation, South Bend, Ind. Brake shoe construction. 2,400,015; May 7.
- Mathieson, C. W., assignee, et al.: See—
Strong, Jules Q.
- Mathieson, Collin W., Sedalia, assignor of thirty per cent to J. Q. Strong, Ladue, Mo., and fifteen per cent to F. H. Lamphere, Denver, Colo. Shoe pattern. 2,406,091; Aug. 20.
- Mathieu, Walter J., assignee, et al.: See—
Tiffany, Frank E.
- Mathis, John A., and R. W. Milan, Pinckneyville, Ill. Apparatus for evaporating liquid oxygen. 2,401,651; June 4.
- Mathis, Leon H., Lake City, Fla. Portable pulpwood saw. 2,405,896; Aug. 13.
- Mathisen, Anders, assignor to Graviner Manufacturing Company Limited, Isleworth, England. Flame and temperature rise detecting device. 2,393,860; Jan. 29.
- Mathys, Max A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Relief valve. 2,411,930; Dec. 3.
- Matson, Charles H., New York, N. Y. Rodent guard for gangplanks. 2,395,635; Feb. 26.
- Matson, George L., Kilgore, Tex., assignor to The Dow Chemical Company, Midland, Mich. Dumping bailer. 2,398,752; Apr. 18.

- Matson, Leslie E., Jr., Merchantville, N. J., assignor to Radio Corporation of America. Synchronized blocking oscillator. 2,409,577; Oct. 15.
- Matson, Robert, Detroit, Mich., assignor, by mesne assignments, to Motion Picture Engineering Corporation. Film splicing device. 2,394,317; Feb. 5.
- Matte, Andrew L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier wave signal system. 2,408,794; Oct. 8.
- Matter, Albert J., Park Ridge, Ill., assignor to The Nye Tool & Machine Works. Vise structure. 2,394,709; Feb. 12.
- Matter, Fritz, assignor to A. Michel S.-A., Grenchen, Switzerland. Automatic winding mechanism for timepieces. 2,399,191; Apr. 23.
- Mathews, Arthur H., Lake Beauport, Quebec, Canada. Gas turbine. 2,411,798; Nov. 26.
- Mathews, Carlton T., Green Bay, Wis. Christmas tree holder. 2,410,227; Oct. 29.
- Mathews, Carroll F., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Apparatus for electroplating of bearing shells. 2,406,956; Sept. 3.
- Mathews, Francis W. M., Ferndown, England. Stereoscopic presentation of pictures. 2,401,173; May 28.
- Mathews, Louis L., assignor to Maxson Automatic Machinery Company, Westery, R. I. Sheet-feeding-and-marking method and machine. 2,395,490; Feb. 26.
- Matthews, Percy W., North Kingsville, assignor to The Ohio Aircraft Fixture Co., Cleveland, Ohio. Tractor tread distributor. 2,392,251; Jan. 1.
- Matthews, Robert W.: *See* Davis, John H., Matthews, and McLean.
- Matthews, W. U. Corporation, assignee: *See* Mosley, Carl E.
- Matthews, William A., Valley Stream, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Pneumatically controlled automatic pilot. 2,400,126; May 14.
- Matthysse, Irving P., New York, N. Y., assignor to Burndy Engineering Company, Inc. Rotatable bus support clamp. 2,407,961; Sept. 17.
- Mattin, Harry E., Brooklyn, N. Y., and L. G. M. Timpson, Plainfield, N. J., assignors to The Mearl Corporation, New York, N. Y. Oxidizing foam solution and using the same. 2,392,936; Jan. 17.
- Mattson, Charles H., Kalamazoo, Mich. Sanding apparatus for road vehicles. 2,405,970; Aug. 20.
- Mattox, William J.: *See* Grosse, Aristid V., and Mattox.
- Mattox, William J., assignor to Universal Oil Products Company, Chicago, Ill. Production of butadiene. 2,395,058; Feb. 19.
- Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Producing aromatics. 2,399,751; May 14.
- Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of cyclic hydrocarbons. 2,404,914; July 30.
- Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Dealkylation of alkyl cyclic compounds. 2,411,749; Nov. 26.
- Mattson, Leslie N., Paulsboro, N. J. Combination switch and light control for floor lamps. 2,408,669; Oct. 1.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for mixing fluids. 2,392,542; Jan. 8.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing diolefins. 2,394,625; Feb. 12.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic alkylation process. 2,394,929; Feb. 12.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of paraffins. 2,399,368; Apr. 30.
- Matuszak, Maryan P., Bartlesville, Okla., and G. H. Morey, Terre Haute, Ind., assignors to Phillips Petroleum Company. Desulfurization process. 2,399,466; Apr. 30.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of olefinic hydrocarbons. 2,403,671; July 9.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of olefins. 2,403,672; July 9.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Flowmeter. 2,405,704; Aug. 13.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of aromatic hydrocarbon materials. 2,408,173; Sept. 24.
- Matuszak, Maryan P., Bartlesville, Okla., and G. H. Morey, Terre Haute, Ind., assignors to Phillips Petroleum Company. Catalytic process. 2,408,987; Oct. 8.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of organic fluorine. 2,409,372; Oct. 15.
- Mauch, Willy, Bridgeport, Conn., assignor to Burner-Ritter, Inc., New York, N. Y. Tool holder. 2,408,567; Oct. 1.
- Mauger, Arthur J., Gary, Ind., and A. H. Ward, Mount Lebanon, Pa. Galvanizing. 2,405,592; Aug. 13.
- Maul Pineapple Company, Ltd., assignee: *See* Butler, Bernard J.
- Mauler, Harry J., assignee: *See* Lindsey, Roy B., and Frock.
- Maulsby, Leon K., and J. A. McGrann, San Antonio, Tex.; said McGrann assignor to said Maulsby. Nut cracking machine. Re. 22,797; Oct. 1.
- Maurer, Anton A., assignor to Norcor Manufacturing Company, Inc., Green Bay, Wis. Folding chair. 2,406,305; Aug. 20.
- Maurer, Gottfried, Zurich, assignor to Wilhelm Fischer-Schert, B. M., Switzerland. Machine for gluing laths together. 2,409,777; Oct. 22.
- Maurer, J. A., Inc., assignee: *See* Maurer, John A., Jr.
- Maurer, John A., Jr., assignor to J. A. Maurer, Inc., New York, N. Y. Method of and means for recording electrical impulses and record produced thereby. 2,404,137; July 16.
- Maurer, Le Roy F., Buffalo, and J. C. Trotter, Williams-ville, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Ordnance. 2,394,462; Feb. 5.
- Maurette, René G.: *See* Kilduff, John W., and Maurette.
- Mauro, Oswald G.: *See* Dons, Eddie M., and Mauro.
- Maury, Greenhow, Jr.: *See* Johnston, Greenhow.
- Maury, Greenhow, Jr., Richmond, Va. Gun seat. 2,393,257; Jan. 22.
- Mautner, Oscar, Crestwood, and M. K. Leboworth, New York, N. Y. Gameboard device. 2,409,373; Oct. 15.
- Mayco, Inc., assignee: *See* Beveridge, James M., and Cowan.
- Mavity, Julian M., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Separation of polynuclear from mononuclear aromatics. 2,395,491; Feb. 26.
- Mavity, Julian M., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,406,622; Aug. 27.
- Mavity, Julian M., and W. E. Moss, assignors to Universal Oil Products Company, Chicago, Ill. Production of isoparaffins. 2,408,941; Oct. 8.
- Mawen Motor Corporation, assignee: *See* Meyer, Albert J.
- Mayer, Robert E., Akron, Ohio. Highway traffic post. 2,410,228; Oct. 29.
- Maxim, Lloyd, Leominster, Mass. Knife rack for silverware chests. 2,412,410; Dec. 10.
- Maxim Silencer Company, The, assignee: *See* Saco, Felix, Jr., and Williamson.
- Maxim, William D.: *See* Williamson, William R.
- Maxim, William D., Glens Falls, and E. Hutchins, Corinth, N. Y., assignors to International Paper Company. Coating apparatus. 2,406,470; Aug. 27.
- Maximoff, Alessandro, Milan, Italy; vested in the Allen Property Custodian. Synthetic rubber and its manufacture. 2,404,392; July 23.
- Maxson Automatic Machinery Company, assignee: *See* Matthews, Louis L.
- Maxson, Clarence G., assignor to Ritter Company, Inc., Rochester, N. Y. Head rest for chairs. 2,403,537; July 9.
- Maxson, Lisle J., U. S. Navy, and F. B. Gross, Langley, Va. Screw type catapult. 2,402,654; June 25.
- Maxson, Louis A., Claremont, N. H., assignor to Joy Manufacturing Company. Controlling mechanism. 2,407,088; Sept. 3.
- Maxson, Louis A., Claremont, N. H., assignor to Joy Manufacturing Company. Cabin pressure controlling mechanism. 2,413,027; Dec. 24.
- Maxson, W. L., Corporation, The, assignee: *See* Arcularius, Charles.
- Black, William A.
- Dinga, Emil W.
- Kellogg, Donald S.
- Maxson, William L., Lutz, McLaren, and Fedotoff.
- Maxson, Walter L., Milwaukee, Wis., J. A. Fagnant, Salt Lake City, Utah, and E. H. Baxa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Air swept ball mill. 2,399,651; Apr. 23.
- Maxson, William L., South Orange, N. J., and F. W. Lutz, Garden City, P. J. McLaren, New York, and N. V. Fedotoff, Lynbrook, N. Y., assignors, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Method and apparatus for controlling moving vehicles. 2,397,476; Apr. 2.
- Maxwell, Albert A. F., assignee: *See* Ramage, Alexander S.
- Maxwell, Carl A., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Tube expanding. 2,409,219; Oct. 15.
- Maxwell, Carl R.: *See* Johnson, Lloyd R., and Maxwell.
- Rosen, Carl G. A., and Maxwell.
- Maxwell, Charles S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Colloidally dispersed dimethylol urea resins. 2,407,376; Sept. 10.
- Maxwell, Frank R., Malden, Mass. Attachment chuck. 2,407,932; Sept. 17.

- Maxwell & Hitchcock, assignee: *See—*
Maxwell, Homer B., and Edwards.
- Maxwell, Homer B., East Point, and W. E. Edwards, Jr., Ayvalde Estates, assignors to Maxwell & Hitchcock, Atlanta, Ga. Metallic clip for connecting and reinforcing joints in wood structures. 2,418,862; Dec. 31.
- Maxwell, Howard, Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. 2,396,738; Mar. 19.
- May & Baker Limited, assignee: *See—*
Ewins, Arthur J.
Newbery, George, and Easson.
- May, Everett L.: *See—*
Price, Donald, and May.
- May, Frank H., assignor to American Potash & Chemical Corporation, Trona, Calif. Recovering carbon dioxide from gases. 2,395,564; Feb. 26.
- May, Frank H., assignor to American Potash & Chemical Corporation, Trona, Calif. Extracting carbon dioxide from gases. 2,395,565; Feb. 26.
- May, Frank H., assignor to American Potash & Chemical Corporation, Trona, Calif. Manufacturing potassium pentaborate. 2,395,566; Feb. 26.
- May, Frank H., and H. B. Suhr, assignors to American Potash & Chemical Corporation, Trona, Calif. Manufacturing potassium tetraborate. 2,395,567; Feb. 26.
- May, Harmon D., Jayton, Tex. Earth working and cultivating machine. 2,405,796; Aug. 13.
- May, Harry C., East McKeesport, and G. T. McClure, McKeesport, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,404,512; July 23.
- May, Henry E., Chicago, Ill. Locomotive boiler firebox. 2,410,513; Nov. 5.
- May, John W.: *See—*
Lindstrom, Ture, and May.
Tong, Christopher P., and May.
- May, John W., Durham, N. C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Breaker mechanism. 2,393,049; Jan. 15.
- May Oil Burner Corporation, assignee: *See—*
Beach, Ralph H.
- May, Richard W., Cedar Rapids, Iowa, assignor to Collins Radio Company. Shaft positioning apparatus. 2,396,714; Mar. 19.
- May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricant. 2,392,252; Jan. 1.
- May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricant. 2,392,253; Jan. 1.
- May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Esterification of salicylic acid. 2,397,498; Apr. 2.
- May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil. 2,409,877; Oct. 22.
- May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil. 2,409,878; Oct. 22.
- May, William F., Maywood, Ill., assignor to American Can Company, New York, N. Y. Coating material for lining cans. 2,395,894; Mar. 5.
- May, William F., Maywood, Ill., assignor to American Can Company, New York, N. Y. Preparing coating composition. 2,395,895; Mar. 5.
- Maybarduk, Leon A., Forest Hills, W. W. Miehre, Mineola, S. J. Zand, Forest Hills, and G. E. White, Hempstead, assignors to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Scanning device. 2,410,831; Nov. 12.
- Mayberry, Walter R., Zanesville, Ohio, assignor to Line Material Company, South Milwaukee, Wis. Three-stage transformer. 2,401,952; June 11.
- Mayer, Alvin L., Cincinnati, Ohio. Apparatus for developing exposed photographic prints. 2,404,138; July 16.
- Mayer, Elmer L.: *See—*
Woodward, Charles F., Talley, Mayer, and Beinhart.
- Mayer, Hans: *See—*
Straub, Fritz, Brassel, and Mayer.
- Mayer, Harry F., Schenectady, N. Y., assignor to General Electric Company. Frequency modulation transmitter. 2,394,393; Feb. 5.
- Mayer, Joseph A., Petaluma, Calif. Combination hand saw and try square. 2,400,311; May 14.
- Mayer, Julius, Forest Hills, N. Y. Garment display form. 2,412,900; Dec. 17.
- Mayer, Louis T., assignor to No-Sag Spring Company, Detroit, Mich. Soft-edge construction. 2,392,254; Jan. 1.
- Mayer, Michael, Cleveland, Ohio. Cigarette and safety match holder. 2,412,464; Dec. 10.
- Mayer, Waldemar F., assignor to The Garrett Corporation, Alhambra Manufacturing Company Division, Los Angeles, Calif. Air conditioner for aircraft cabins. 2,398,655; Apr. 16.
- Mayes, Frank D., Atlanta, Ga. Aerial bomb. 2,402,335; June 18.
- Mayhew, Clarence P., Duluth, Minn. Perforating rule. 2,401,310; June 4.
- Mayhew, Philip L., Modesto, Calif. Perpetual calendar. 2,397,877; Apr. 2.
- Mayhugh, Joel W., Pine Bluff, Ark. Combined ironing board and stepladder. 2,401,311; June 4.
- Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Furfural recovery. 2,412,823; Dec. 17.
- Mayland, Harrison C., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of paraffin hydrocarbons. 2,404,393; July 23.
- Mayle, Louis F., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Television signal generator. 2,401,010; May 28.
- Mayle, Louis F., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Electronic timer. 2,412,092; Dec. 3.
- Maynard, John E.: *See—*
Gardner, Paul C., and Maynard.
- Maynard, Thomas V.: *See—*
Gay, Harry S., and Maynard.
- Mayne, William A.: *See—*
Ponomareff, Alexander L., and Mayne.
- Mayne, William Harry, assignor to O. S. Petty, San Antonio, 6, Tex. Seismic surveying. 2,400,245; May 14.
- Maynes, Emma C., assignee: *See—*
Maynes, Hyla F.
- Maynes, Hyla F., Menands, N. Y., assignor of one-half to E. C. Maynes. Amusement apparatus. 2,395,678; Feb. 26.
- Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Fishing reel. 2,399,132; Feb. 26.
- Mayo, Robert D., Flint, Mich. Auxiliary gasoline container. 2,405,442; Aug. 6.
- Mayrath, Robert L., Dodge City, Kans. Automatic altitude control device. 2,405,228; Aug. 6.
- Maysilles, Lynn C.: *See—*
Kerezi, Joseph, and Maysilles.
- Maytag Company, The, assignee: *See—*
Smith, Thomas R.
- Maytag, Daniel C., Laurel, Iowa. Electric welding apparatus. 2,405,510; Aug. 6.
- Maywood Chemical Works, assignee: *See—*
Steiger, Leonard W.
- Mazarella, Richard L., assignee: *See—*
Hardy, Charles W.
- Mazza, Joseph: *See—*
Desimone, Anthony J., and Mazza.
- Mazzarisi, Vito, Clifton, N. J. Toaster. 2,408,263; Sept. 24.
- Mazzucchelli, Arthur P., Bloomfield, N. J., assignor to Bakelite Corporation. Oil-modified resin composition. 2,413,412; Dec. 31.
- McAdam, Robert M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of stable titanium solutions. 2,413,640; Dec. 31.
- McAdam, Robert M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of stable titanium solutions. 2,413,641; Dec. 31.
- McAfee, Jerry, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Contacting fluids with solids. 2,394,710; Feb. 12.
- McAlevy, Ambrose, Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated polyethylene. 2,405,971; Aug. 20.
- McAllister, Sumner H.: *See—*
Anderson, John, Bullard, and McAllister.
Bullard, Edwin F., Anderson, and McAllister.
- McAllister, Sumner H., Lafayette, and J. Anderson and W. E. Ross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Alkylation of isoparaffins with olefines. 2,399,240; Apr. 30.
- McAllister, Sumner H., Lafayette, and N. E. Peery, assignors to Shell Development Company, San Francisco, Calif. Production of a blending fuel. 2,394,797; Feb. 12.
- McAllister, Sumner H., Lafayette, and J. Anderson and W. E. Ross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic processes. 2,403,107; July 2.
- McAlpine, Charles H., Hamburg, Pa. Blood pressure testing apparatus. 2,405,265; Aug. 6.
- McAlpine, Thomas: *See—*
Hillier, Harold, and McAlpine.
- McAndrews, John J., Hempstead, N. Y. Evaporator. 2,392,255; Jan. 1.
- McArdle, Edward H., Linden, and A. E. Robertson, Roselle, N. J., assignors to Standard Oil Development Company. Organic cementing solutions. 2,399,558; Apr. 30.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Magnetron. 2,412,824; Dec. 17.
- McArthur, Graham S., Portland, Oreg. Gun. 2,397,800; Apr. 2.
- McArthur, Warren, Bantam, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Folding vehicle seat. 2,397,322; Mar. 26.
- McArthur, Warren, Bantam, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Seat. 2,400,588; May 21.
- McArthur, Warren, Bantam, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Reel. 2,400,589; May 21.

- McAteer, James H.: *See*—
Morrell, Charles E., Small, and McAteer.
- McAuley, Gerald P., Detroit, Mich. Gun holster. 2,401,174; May 28.
- McAuliffe, Patrick, New York, N. Y. Horse control. 2,392,053; Jan. 1.
- McBean, Douglas M., Rochester, N. Y. Blanching food products. 2,403,871; July 9.
- McBean, Douglas M., Rochester, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Coffee bin. 2,406,886; Sept. 3.
- McBee Company, The, assignee: *See*—
Karbach, Arthur P., Jr., and Evans.
Welk, Nelson S.
- McBerty, Frank R., Mansfield, assignor to The North Electric Manufacturing Company, Galion, Ohio. Relay construction. 2,396,332; Mar. 12.
- McBerty, Frank R., Mansfield, assignor to The North Electric Manufacturing Company, Galion, Ohio. Relay construction. 2,409,054; Oct. 8.
- McBeth, Freeman M., Harrisburg, Pa. Drying apparatus. 2,395,933; Mar. 5.
- McBride, Charles B.: *See*—
Watson, John E., Whitton, and McBride.
- McBride, Louis C., Watson, and McBride.
- McBride, George A., Barrington, assignor to Infelco Incorporated, Chicago, Ill. Purification of sugar juice. 2,405,315; Aug. 6.
- McBride, John W., Burbank, Calif. Stringed musical instrument. 2,405,314; Aug. 6.
- McBride, Lewis M., U. S. Army. Clinometer. 2,411,165; Nov. 19.
- McBride, Maurice G., Enfield, Middlesex, England, assignor to Sangamo Electric Company, Springfield, Ill. Electrical radiator. 2,408,887; Sept. 3.
- McBride, Thomas C., Philadelphia, Pa., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Lubricator. 2,407,841; Sept. 17.
- McBrien, Roger W., Alton, Ill. Light circuit alarm system. 2,397,028; Mar. 19.
- McCabe, Alfred H., deceased; L. M. McCabe, executrix, assignor to A. A., F. C., and F. H. McCabe, a partnership doing business as McCabe Manufacturing Company, Lawrence, Mass. Flanging machine. 2,394,193; Feb. 5.
- McCabe, Annie A., assignee, et al.: *See*—
McCabe, Alfred H.
- McCabe, Bernard L., Daly City, Calif., assignor to Stuart Oxygen Co. Gas cylinder holder. 2,404,513; July 23.
- McCabe, Francis H., assignee, et al.: *See*—
McCabe, Alfred H.
- McCabe, Frederick C., assignee, et al.: *See*—
McCabe, Alfred H.
- McCabe, Ira E., Chicago, Ill. Valve construction. 2,410,546; Nov. 5.
- McCabe, Laurette M., executrix: *See*—
McCabe, Alfred H.
- McCabe Manufacturing Company: *See*—
McCabe, Alfred H.
- McCaffrey, Charles L., assignor of one-half to A. J. Kirby, Nashville, Tenn. Yard refuse collector. 2,409,775; Oct. 22.
- McCaffrey, Marion P., assignee: *See*—
Ruddock, William.
- McCaffrey, Marion P., assignee, et al.: *See*—
Meili, Gottfried.
- McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article working apparatus. 2,398,906; Apr. 23.
- McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling articles. 2,399,052; Apr. 23.
- McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Working an article. 2,401,362; June 4.
- McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lapping machine. 2,401,953; June 11.
- McCallick, William P., assignor of fifteen per cent to R. M. Ruiz, El Paso, Tex. Railway car wheel truck. 2,404,310; July 9.
- McCaillon, Hugh E., Roseville, Mich. Internal combustion engine. 2,401,262; May 28.
- McCann, Alexander C., Kearny, and T. E. Walsh, Bayonne, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 2,394,626; Feb. 12.
- McCann, John J., Lowell, Mass. Making helmet ear muffs. 2,409,055; Oct. 8.
- McCann, Thomas A., Arlington, Va., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generating system and its use in signal transmission systems. 2,403,009; July 2.
- McCann, Thomas A., Denville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Key tape device for enciphering telegraph signals. 2,406,024; Aug. 20.
- McCanne, Jack F.: *See*—
Kinner, Reginald A., Chamberlain, McCanne, Falls, and Gordon.
- McCarroll, Russell H.: *See*—
Doering, Justus H., and McCarroll.
Ford, Henry, Sorensen, and McCarroll.
- McCarter, John J.: *See*—
Bennett, James B., and McCarter.
- McCarter, Robert W., Pittsburgh, Pa. Torpedo protector for ships. 2,398,753; Apr. 16.
- McCarthy, Daniel J., assignee: *See*—
Donle, Harold P.
- McCarthy, Fred I., assignee: *See*—
Peters, Melville F., and Beal.
- McCarthy, Frederick I., Forest Hills, and C. Schandler, New York, N. Y. Spark plug. 2,394,865; Feb. 12.
- McCarthy, Harry, Kewanee, Ill., assignor to Walworth Patents, Boston, Mass. Handwheel attaching means. 2,406,957; Sept. 3.
- McCarthy, Henry J., Danvers, Mass., assignor to Sylvania Electric Products Inc. Fluorescent electric lamp. 2,392,753; Jan. 8.
- McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp socket. 2,407,567; Sept. 10.
- McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Thermal relay for fluorescent lamps. 2,413,363; Dec. 31.
- McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency oscillator. 2,413,364; Dec. 31.
- McCarthy, Louise E., Flushing, N. Y. Maternity garment. 2,407,340; Sept. 10.
- McCarthy, Patrick J., Los Angeles, Calif. Tool and tool-serving means for working on seams between planks. 2,394,088; Feb. 5.
- McCarthy, Raymond T., Holyoke, Mass. Winding mechanism. 2,403,538; July 9.
- McCarthy, Robert E., Bakersfield, and E. A. Bender, Long Beach, Calif. Portable derrick. 2,413,149; Dec. 24.
- McCarthy, Timothy F., Indiana, Pa. Scraper loader apparatus. 2,403,817; July 9.
- McCarthy, Vincent J., Youngstown, assignor to The Salem Tool Company, Salem, Ohio. Earth drilling machine. 2,394,194; Feb. 5.
- McCarthy, Lourdes V., assignor to Automatic Products Company, Milwaukee, Wis. Shutoff for constant level control devices. 2,401,312; June 4.
- McCaslin, Stanley N., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam. 2,393,649; Jan. 29.
- McCaslin, Stanley N., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam. 2,394,463; Feb. 5.
- McCauley, Halpin E., Cliff, N. Mex. Combination bulldozer and ripper. 2,396,739; Mar. 19.
- McCauley, Roy B., Chicago Heights, Ill. Hard alloys. 2,402,424; June 18.
- McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire ply turning mechanism. 2,394,318; Feb. 5.
- McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire building machine. 2,394,464; Feb. 5.
- McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for placing beads on tire carcasses. 2,394,465; Feb. 5.
- McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire ply turn down mechanism. 2,396,186; Mar. 5.
- McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Automatic tire stitching machine. 2,404,449; July 23.
- McClain, Clifford H., Lansdowne, Pa., assignor to Hoffman Specialty Co., Indianapolis, Ind. Temperature controller. 2,404,597; July 23.
- McClain, Edward F., Jr., Washington, D. C. Automatic frequency control circuit. 2,403,011; July 2.
- McClain, Herbert K., Wilmington, Ohio, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Soap composition. 2,409,056; Oct. 8.
- McClain, Hugh F., Long Beach, Calif. Portable self-propelled scaffold. 2,398,949; Apr. 23.
- McClain, Hugh F., Long Beach, Calif. Docking device. 2,401,878; Jan. 11.
- McClain, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Shockproof switch. 2,411,447; Nov. 19.
- McClain, Waite, Canton, Ohio. Rivet sorting machine. 2,400,440; Oct. 15.
- McClaran, John W., U. S. Navy. Strip cipher device. 2,403,736; July 9.
- McClathie, John M., Middletown, assignor to The Borden Company, New York, N. Y. Soldering machine. 2,403,943; July 16.
- McCleary, Ray L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of titanium compounds. 2,410,119; Oct. 29.
- McCleary, Rush F.: *See*—
Morris, John R., and McCleary.
- McCleary, Rush F., Beacon, assignor to The Texas Company, New York, N. Y. Lubricating composition. 2,402,969; July 2.
- McCleary, Rush F., Beacon, assignor to The Texas Company, New York, N. Y. Lubricants. 2,409,296; Oct. 15.

- McClellan, Raymond H.: *See—*
Linden, Carl E. and McClellan.
- McClellan, William R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nylon filaments. 2,412,054; Dec. 3.
- McClintock, Walter O.: *See—*
Holland, William D., Berry, and McClintock.
- McClune, Henry C., Santa Ana, Calif. Table top and card holder. 2,394,866; Feb. 12.
- McClure, Chauncey H., assignor of one-half to I. Davidoff, Milwaukee, Wis. Low voltage flasher. 2,408,568; Oct. 1.
- McClure, Fred B., assignor of one-fourth to W. L. Stroup, Moundsville, W. Va. Driving axle for motor vehicles. 2,408,264; Sept. 24.
- McClure, Glenn T.: *See—*
May, Harry C., and McClure.
- McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,396,431; Mar. 12.
- McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,396,432; Mar. 12.
- McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve device. 2,404,514; July 23.
- McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Protection valve device. 2,407,890; Sept. 17.
- McClure, Laurence H., Jr., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Sear release mechanism. 2,404,881; July 30.
- McClure, Ralston H., Detroit, Mich. Vehicle jack. 2,401,787; June 11.
- McCollister, William H., Akron, Ohio, assignor to The Firestone Tire & Rubber Company. Tire removing tool. 2,404,583; July 23.
- McCollum, Henry J. De N., Chicago, Ill.; T. McCollum, executrix of said H. J. De N., McCollum, deceased. Electrical generator apparatus. 2,391,994; Jan. 1.
- McCollum, Henry D., deceased, Chicago, Ill.; T. McCollum, executrix. Heating apparatus. 2,393,792; Jan. 29.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Aircraft heating system. 2,395,416; Feb. 26.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Aircraft heating apparatus. 2,395,417; Feb. 26.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heater. 2,395,418; Feb. 26.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heater. 2,395,568; Feb. 26.
- McCollum, Henry J. De N., Chicago, Ill., deceased, Thelma McCollum, executrix. Heating system for aircraft. 2,396,740; Mar. 19.
- McCollum, Henry J. De N., Chicago, Ill., deceased, Thelma McCollum, executrix. Liquid fuel combustion apparatus. 2,396,868; Mar. 19.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heater. 2,398,106; Apr. 9.
- McCollum, Henry J. D., deceased, Chicago, Ill.; T. McCollum, executrix. Gas detection apparatus. 2,400,940; May 28.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Incendiary bomb. 2,401,788; June 11.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heater. 2,402,970; July 2.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Burner. 2,402,971; July 2.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heating apparatus. 2,403,188; July 2.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heater. 2,403,189; July 2.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heater. 2,404,646; July 23.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heater. 2,405,317; Aug. 6.
- McCollum, Henry J. D., deceased, Chicago, Ill.; T. McCollum, executrix. Utilizing radiant heat in aircraft. 2,408,867; Oct. 8.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; Thelma McCollum, executrix. Heater. 2,410,353; Oct. 29.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heating apparatus. 2,410,547; Nov. 5.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heating apparatus. 2,410,548; Nov. 5.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel supply system. 2,411,581; Nov. 26.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,411,663; Nov. 26.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Jet propulsion apparatus. 2,412,825; Dec. 17.
- McCollum, Henry J. De N., deceased, Chicago, and L. A. Williams, Jr., Northfield, Minn., said Williams assignor to Stewart-Warner Corporation, Chicago, Ill.; Thelma McCollum, executrix. Heating apparatus. 2,394,627; Feb. 12.
- McCollum, Henry J. De N., deceased, T. McCollum, executrix, said L. A. Williams, Jr.; said Williams assignor to Stewart-Warner Corporation, Chicago, Ill. Heating apparatus. 2,404,647; July 23.
- McCollum, Thelma, executrix: *See—*
McCollum, Henry J. D.
- McCollum, Thelma, executrix, assignee: *See—*
McCollum, Henry J. De N.
- McCombs, Charles C., Dallas, Tex. Evaporative cooling attachment for fans. 2,396,741; Mar. 19.
- McConnell, Andrew J., Albany, N. Y., assignor to General Electric Company. Protective system. 2,394,089; Feb. 6.
- McCord, Andrew T., and H. F. Saunders, Haddonfield, N. J., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Magnesium-titanium-oxygen compounds and methods of preparing the same. 2,403,228; July 2.
- McCord Corporation, assignee: *See—*
Gardes, Alfred W.
- McCormack, Alex. A., assignor to General Motors Corporation, Detroit, Mich. Refrigerating apparatus. 2,405,042; July 30.
- McCormick, Elmer, assignor to John Deere Tractor Company, Waterloo, Iowa. Crankcase ventilating system. 2,405,614; Nov. 5.
- McCormick, Francis H., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,404,139; July 16.
- McCoshen, Guy W., Orange, N. J. Triangle-octant. 2,412,924; Dec. 17.
- McCoy, Abram A., Boulder, and G. L. Neumann, Denver, Colo., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Device for separating improperly oriented articles. 2,398,320; Apr. 9.
- McCoy, Clarence E., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 2,409,142; Oct. 8.
- McCoy, Elizabeth F., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Production of butyl alcohol and acetone by fermentation. 2,398,837; Apr. 23.
- McCoy, George E.: *See—*
Battley, Edwin R., and McCoy.
- McCoy, Howard M., Fairfield, Ohio. Differential speed responsive device. 2,399,685; May 7.
- McCoy, Howard M., Patterson Field, Ohio. Engine synchronizer. 2,413,028; Dec. 24.
- McCoy, Julius C.: *See—*
Kannenberg, Walter F., and McCoy.
- McCoy, Lowell R., Detroit, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning composition for aluminum and aluminum alloys. 2,413,935; Dec. 31.
- McCoy, Orlando Z., assignee, et al.: *See—*
Bellows, Warren S.
- McCoy, Paul E.: *See—*
Watts, Vilas E., and McCoy.
- McCoy, Paul E., assignor to American Bitumuls Company, San Francisco, Calif. Coating aggregate with asphalt emulsions. 2,412,526; Dec. 10.
- McCoy, Philip W.: *See—*
Higley, Frank R., and McCoy.
- McCoy, Rawley D., Bronxville, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Limit stop. 2,397,557; Apr. 2.
- McCoy, Robert E.: *See—*
Cole, Eugene, and McCoy.
- McCoy, Robert G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Winding machine. 2,393,548; Jan. 22.
- McCoy, Robert L., Baltimore, Md., assignor to Locke Insulator Corporation. Porcelain pipe. 2,406,235; Aug. 20.
- McCoy, Thomas C., San Antonio, Tex. Combination ladder. 2,395,637; Feb. 26.
- McCracken, James D.: *See—*
Ziebold, Herbert, McCracken, and Gundersen.
- McCracken, James D., assignor to Askania Regulator Company, Chicago, Ill. Apparatus for steam generator control. 2,412,739; Dec. 17.
- McCracken, John H.: *See—*
Nygaard, Edwin M., McCracken, and Hamilton.
- McCreary, Byram L., assignee, et al.: *See—*
Gearhart, Roy E.
- McCreary, Richard B., assignee, et al.: *See—*
Gearhart, Roy E.
- McCreery, Cecil W.: *See—*
Ferguson, John E., and McCreery.
- McCreery, Cecil W., Muncie, assignor to Owens-Illinois Glass Company. Press molding machine. 2,393,549; Jan. 22.
- McCrone, Walter C., Ithaca, N. Y. Compositions of matter. 2,393,999; Feb. 6.

- McCrum, Arthur C., Kansas City, Mo. Producing prescription. 2,405,972; Aug. 20.
- McCulloch Aviation, Inc., assignee: See—
Ryde, John L.
- McCulloch, John A., and N. R. Slasor, assignors to Manitoba Bridge & Iron Works Limited, Winnipeg, Manitoba, Canada. Veech beam assembly. 2,407,435; Sept. 10.
- McCulloch, Robert P., and J. L. Ryde, Milwaukee, Wis., assignors to B-W Superchargers, Inc. Rotary blower. 2,393,116; Jan. 15.
- McCulloch, Thomas B., Baytown, Tex., assignor to Standard Oil Development Company. Catalytic conversion process. 2,404,080; July 16.
- McCulloch, Thomas B., Baytown, Tex., assignor to Standard Oil Development Company. Aviation fuel. 2,411,582; Nov. 26.
- McCullough, Campbell R.: See—
Hubbard, Findley E., and McCullough.
- McCullough, Campbell R., and W. H. Gehrke, Dayton, Ohio, assignor to Monsanto Chemical Company. Process for producing styrene. 2,392,289; Jan. 1.
- McCullough, Jack A.: See—
Eitel, William W., and McCullough.
- McCullough, Jack A., Milbrae, assignor to Eitel-McCullough, Inc., San Bruno, Calif. External anode. 2,399,752; May 7.
- McCullough, Otis J., assignor to McCullough Tool Company, Houston, Tex. Pipe releasing device. 2,407,991; Sept. 24.
- McCullough, Paul J., assignor to J. Pavelka, St. Louis, Mo. Bread toaster structure. 2,407,991; Sept. 24.
- McCullough, Paul J., and C. H. Steuber, assignors to J. Pavelka, St. Louis, Mo. Automatic toaster. 2,404,976; July 30.
- McCullough Tool Company, assignee: See—
McCullough, Otis J.
- McCully, Frank D., Joseph, Oreg. Electric soldering iron. 2,396,799; Mar. 19.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Yonkers, Pa. Control valve device. 2,398,907; Apr. 23.
- McCurdy, E. D., trustee, assignee: See—
Davis, Walvin L.
- McCurdy, Gordon W., Radford, Va., assignor to Hercules Powder Company, Wilmington, Del. Preparing pentolite. 2,395,341; Feb. 19.
- McCurdy, William H., Caldwell, N. J., and J. A. Hutcheson, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Device for radiation of radio waves. 2,413,187; Dec. 24.
- McCurach, James R., Brooklyn, N. Y. Screen printing of necktie fabrics. 2,400,700; May 21.
- McCutchan, George L., assignor to Rome Cable Corporation, Rome, N. Y. Shielded electrical conductor construction and making the same. 2,402,503; June 18.
- McCutchan, George L., assignor to Rome Cable Corporation, Rome, N. Y. Shielded electrical conductor construction and making the same. 2,402,504; June 18.
- McCutcheon, John W., Bronx, N. Y. Camera film box. 2,409,949; Oct. 22.
- McDaniel, James W., Raleigh, N. C. Hawaiian electric guitar steel. 2,392,937; Jan. 15.
- McDaniel, James W., Hayward, Calif. Rail leveling device. 2,412,463; Dec. 10.
- McDargh, Harry J., Jr., Atlanta, Ga. Portable dispenser unit. 2,411,220; Nov. 19.
- McDermet, John R., Hempfield Township, Westmoreland County, assignor to Elliott Company, Jeannette, Pa. Generator. 2,393,393; Jan. 22.
- McDermott, Eugene, Dallas County, Tex. Submarine detecting method and apparatus. 2,412,165; Dec. 3.
- McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning bucket assembly. 2,408,670; Oct. 1.
- McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Guide mechanism. 2,411,889; Dec. 3.
- McDermott, Henry J., Prospect Park, and R. W. Stanley, Drexel Hill, Pa., assignors to American Viscose Corporation, Wilmington, Del. Device for liquid treatment of filamentary material. 2,413,413; Dec. 31.
- McDill, Rex D., Cleveland Heights, Ohio. Culinary utensil. 2,397,902; Jan. 15.
- McDill, Rex De O., Cleveland, Ohio, assignor to Thompson Products, Inc. Valve vibrator and heater. 2,400,158; May 14.
- McDonald, Andrew J., Philadelphia, Pa. Boring machine. 2,409,578; Oct. 15.
- McDonald, Donald A., Dearborn, Mich. Merry-go-round for playgrounds and the like. 2,407,843; Sept. 17.
- McDonald, Eugene F., Jr., Chicago, and K. Emde, Itasca, Ill., assignors to Eastman Kodak Company, Rochester, N. Y. Roll film camera. 2,396,869; Mar. 19.
- McDonald, Fay, Cincinnati, Ohio. Garbage receptacle. 2,394,319; Feb. 5.
- McDonald, John W.: See—
Gill, Lowell O., and McDonald.
- McDonald, William J., assignor of one-half to S. E. Root, Kansas City, Mo. Concrete form. 2,401,263; May 28.
- McDonell, Hubert P., Gainesville, Fla. Grading machine. 2,399,280; Apr. 30.
- McDonnell, Lester V., and P. Satterlee, Detroit, Mich. Attaching clips. 2,410,120; Oct. 29.
- McDougal, Royden K., San Pedro, Calif. Fishhook. 2,407,759; Sept. 17.
- McDougal, Thomas F., Fairmont, W. Va. Controlling mechanism for multiple wing helicopter rotors. 2,396,590; Mar. 12.
- McDougall, Alexander M., San Francisco, Calif. Vessel and handling same. 2,406,236; Aug. 20.
- McDougall, Stanley W., assignor of one-third to J. Fox, and one-third to R. S. Hooper, Kellogg, Idaho, Miner's drill carriage. Re. 22,746; Apr. 23.
- McDowall, Harvey G., Wilmington, Del. Calculator. 2,393,922; Jan. 29.
- McDowell, Thomas E., assignor to The Pyle-National Company, Chicago, Ill. Motor control system. 2,396,333; Mar. 12.
- McDowell, Wendell H., assignor to Eastman Kodak Company, Rochester, N. Y. Treating water resistant paper. 2,409,984; Oct. 22.
- McElhannon, Raymond J., Flushing, N. Y. Method and apparatus for variably reflecting radio waves electrically. 2,391,914; Jan. 1.
- McElhinney, Eric M., Dyars, Iowa. Coupling device. 2,400,836; May 21.
- McElhinney, Eric M., and J. A. Podhajsky, Tama County, Iowa. Loader. 2,409,143; Oct. 8.
- McElhinney, Thomas K., New Orleans, La., assignor to William J. Gibbens, Jr. Synthetic resin and making same. 2,394,000; Feb. 5.
- McElroy, Frank H., Jersey Shore, Pa. Centrifugal type fluid clutch. 2,408,988; Oct. 8.
- McElvain, James W., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,412,902; Dec. 17.
- McElvain, Samuel M., and H. Burkett, Madison, Wis. Barbituric compounds. 2,394,195; Feb. 5.
- McEntire, George W., assignor to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. Thermostatic oil cooler control. 2,396,053; Mar. 5.
- McEwen, Alva, McComb, Miss. Airbrake slack adjuster. 2,401,091; May 28.
- McEwen, Robert L.: See—
Kauffmann, Hans O., Shanley, and McEwen.
- McFall, Robert J., Haworth, N. J. Snap switch. 2,407,689; Sept. 3.
- McFall, Theodore E., El Cerrito, Calif. Illuminated sign. 2,405,266; Aug. 6.
- McFall, Thurlow E., Sparta, Mich. Piston ring. 2,404,140; July 16.
- McFall, Thurlow E., Sparta, Mich. Piston ring spacer. 2,404,141; July 16.
- McFall, William W., River Forest, Ill. Delivery rack or carrier for neckties and similar apparel. 2,401,835; June 11.
- McFall, William W., River Forest, and F. O. Kestner, Chicago, Ill. Shirt collar support. 2,401,789; June 11.
- McFarland, Artie F., assignor to McFarland Manufacturing Corporation, Houston, Tex. Chemical feeding apparatus. 2,413,029; Dec. 24.
- McFarland, Forest R.: See—
Vincent, Jesse G., and McFarland.
- McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Drive mechanism. 2,409,506; Oct. 15.
- McFarland, George L., Jr., Scotia, N. Y., assignor to General Electric Company. Electric switch. 2,394,000; Feb. 5.
- McFarland, George L., Jr., Scotia, N. Y., assignor to General Electric Company. Mechanical interlock for electric switches. 2,398,656; Apr. 16.
- McFarland Manufacturing Corporation, assignee: See—
McFarland, Artie F.
- McFarland, William E., Nutley, N. J. Writing machine. 2,399,369; Apr. 30.
- McFarland, William E., Nutley, N. J. Writing machine. 2,400,764; May 21.
- McFarlane, Arthur B., Harrow, assignor of one half to R. Lowe, Bexley Heath, England. Earth moving machine. 2,408,671; Oct. 1.
- McFarlane, Edwin C., Brooklyn, N. Y. Plan folding machine. 2,407,592; Sept. 24.
- McFarlane, John H., El Dorado, Ark. Sucker rod connection. 2,400,941; May 28.
- McFarlane, John V., and C. F. Andrews, assignors to Eastman Kodak Company, Rochester, N. Y. Photographing device. 2,403,892; July 9.
- McFaren, Lawrence E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Fixed resistor. 2,407,171; Sept. 3.
- McFeaters, Harry L., New Castle, Pa., assignor to Pennsylvania Engineering Works. Hot metal mixer. 2,395,569; Feb. 26.
- McGaley Manufacturing Company, assignee: See—
McGhey, Robert E., Jr.
- McGahey, Robert E., Jr., Washington, D. C., assignor to McGahey Manufacturing Company, Los Angeles, Calif. Cartridge. 2,394,249; Feb. 5.
- McGarrity, William H., Jr., assignor to H. McGarrity and Robinson.
- McGarvey, Alan R., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Producing molded basic magnesium carbonate. 2,409,297; Oct. 15.

McGarvey, Alan R., assignor to Armstrong Cork Company, Lancaster, Pa. Laminated materials. 2,410,586; Nov. 5.

McGarvey, Harold J.; *See*—

Pifer, Marion J., Carlzen, and McGarvey.

McGavock, Hugh K.; *See*—

McWane, Henry E., and McGavock.

McGhee, Russell P., Brooklyn, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Organic detergent compositions. 2,394,320; Feb. 5.

McGhie, Russell P., Brooklyn, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing sublimated organic detergents. 2,394,321; Feb. 5.

McGill, Chester T., De W. Wessel, and M. W. Smith, assignors to Elgin Softener Corporation, Elgin, Ill. Multiport valves. 2,398,437; Apr. 16.

McGill, Daniel F., assignor to D. W. Green, Portland, Ore., as trustee. Fluid transmission mechanism. 2,409,374; Oct. 15.

McGill, John H., Manchester, England, assignor to Imperial Chemical Industries Limited. Sheet materials comprising polyvinyl chloride. 2,392,857; Jan. 15.

McGill Manufacturing Company, Inc., assignee; *See*—

Popp, Rudolf.

McGillivray, H. H., assignee, et al.; *See*—

Humason, Granville A.

McGinnis, Archibald B., assignor to Wheeling Stamping Company, Wheeling, W. Va. Apparatus for the molding of plastic articles. 2,412,411; Dec. 10.

McGlocklin, George F., assignee; *See*—

Drake, Winifred E.

McGlone, John P., San Diego, Calif. Control means for fluid pressure motors. 2,408,795; Oct. 8.

McGlone, Ronald A.; *See*—

Balassa, Ladislau, and McGlone.

McGovern, Harold J., Rock Island, Ill. Multiple pump for hydraulic systems. 2,413,240; Dec. 24.

McGowan, Eugene, New York, N. Y. Lifting clamp. 2,412,627; Dec. 17.

McGowan, George L., Edmonton, Alberta, Canada. Automatic electric switch. 2,402,335; June 18.

McGowan, Henri C., Augusta, Ga. Crutch tip construction. 2,397,499; Apr. 2.

McGrann, John A.; *See*—

Mausby, Leon K., and McGrann.

McGrath, Ellen E.; *See*—

McGrath, Robert A., Sr., and E. E.

McGrath, Robert A., Sr., and E. E., Brooklyn, N. Y. Dowel bar protector. 2,408,989; Oct. 8.

McGrath, William L., Syracuse, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration system. 2,403,818; July 9.

McGraw Colorgraph Company, assignee; *See*—

Ball, Joseph A.

McGraw Electric Company, assignee; *See*—

Duerkob, Manfred F.

Gomersall, John R., and Ireland.

Oving, Bror G.

Osterheld, Clark M.

Scharf, Frank W.

McGraw, Max, assignee; *See*—

Ball, Joseph A.

McGreal, Eldred B.; *See*—

Tondreau, Albert W., and McGreal.

McGreal, Martin E.; *See*—

Niederl, Joseph B., V., and McGreal.

McGregor, Allan L., Chicago, Ill. Child's vehicle. 2,392,938; Jan. 15.

McGregor, Robt R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Hydraulic fluid. 2,398,187; Apr. 9.

McGrew, Frank C.; *See*—

Coffman, Donald D., and McGrew.

McGrew, Frank C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized polyamides. 2,406,715; Mar. 19.

McGuigan, William D., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon. 2,400,127; May 14.

McGuire, John S., Kansas City, Kans., assignor to C. E. Evers, Kansas City, Mo. Apparatus for contouring the ends of tubular stock. 2,409,375; Oct. 15.

McGuire, Norbert P., Wilmore, Pa. Cabinet. 2,411,221; Nov. 19.

McGuire, Philip J.; *See*—

Oliver, Edwin L., McGuire, Slaughter, and Vettel.

McHan, Brack B., Quincy, assignor to Calcium Carbonate Company, Chicago, Ill. Stabilized composition and method. 2,403,010; July 2.

McHarg, Leslie, Huntington, N. Y. Load capacity testing device. 2,392,090; Jan. 1.

McIntosh, Robert R., Battle Creek, Mich. Pressure control apparatus. 2,395,973; Mar. 5.

McIntosh, Thomas J., Westville, S. C., assignor of one-half to E. D. Moore, Charlotte, N. C. Adjustable tool handle fastening. 2,409,879; Oct. 22.

McInturf, William H., Warrington, Fla. Internal-combustion engine. 2,410,095; Oct. 29.

McIntyre, Royal A., assignee; *See*—

Boone, Charles G.

McIntyre, Sidney S., Sedro-Woolley, Wash. Hoist. 2,405,156; Aug. 6.

McKay, Augusta P., assignor to Rome Plow Company, Cedartown, Ga. Agricultural implement. 2,398,147; Apr. 9.

McKay Machine Company, assignee; *See*—

Todd, Russell T.

McKee, Charles K.; *See*—

Tutt, Richard, Jr., Hubbard, and McKee.

McKee, Halbert, Nineveh, assignor of two-thirds to Hill Brothers Veneer Co., Edinburg, Ind. Hoist and transporting device. 2,407,993; Sept. 24.

McKee, James H., North Caldwell, N. J., assignor to Cress-Wright Corporation. Reinforced propeller blade. 2,406,471; Aug. 27.

McKee, Neal T., Bronxville, assignor to The Superheater Company, New York, N. Y. Forming flanges on breeches piece or the like. 2,396,110; Mar. 5.

McKee, Paul H., and C. V. Siler, Terre Haute, Ind. Trolley wire connector. 2,413,061; Dec. 24.

McKee, Ralph H., New York, N. Y. Purification of crude trinitrotoluene. 2,401,879; June 11.

McKee, Stanley H., assignor to Youngstown Welding & Engineering Co., Youngstown, Ohio. Pickling apparatus. 2,405,157; Aug. 6.

McKee, Thomas, Jackson Heights, assignor of seven and one-half per cent to A. Winburn, New York, N. Y. Decorated cake. 2,394,322; Feb. 5.

McKen, Thomas G., Torrance, Calif. Rodent trap. 2,404,856; July 30.

McKenna, Philip M., Unity Township, Westmoreland County, assignor to Kennametal Inc., Latrobe, Pa. Cutting tool. 2,395,570; Feb. 26.

McKenzie, Dorothy E., assignee; *See*—

Wolfe, George H.

McKenzie, Herman E., Big Bay, Mich., assignor to The Brunswick Balke-Clender Company, Chicago, Ill. Bowling pin. 2,395,134; Feb. 19.

McKenzie, Nelson J.; *See*—

McKenzie, Victor C. and N. J.

McKenzie, Victor C. and N. J., Boise, Idaho. Placer mining appliance. 2,400,429; May 19.

McKeown, George H., Bedford Park, and H. Wissmiller, Wheaton, assignors, by mesne assignments, to Pullman Couch Company, Chicago, Ill. Sofa bed. 2,412,628; Dec. 17.

McKeown, John H., Kilderry, Gibbet Hill, Kenilworth, and W. Penn, Sapote, assignors to Courtaulds Limited, London, England. Treatment of mixed textile fibers. 2,399,559; Apr. 30.

McKesson, Martha F., assignee; *See*—

Bloomheart, John L.

McKewen, John H.; *See*—

Schauer, Lawrence L., and McKewen.

McKibben, Wayne E., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Alloy. 2,395,255; Feb. 19.

McKim, Orville E., Port Chester, N. Y., assignor to Stanco Incorporated. Insecticides. 2,396,054; Mar. 5.

McKinnie, William P.; *See*—

Korodi, Paul, and McKinnie.

McKinnis, Ronald B., Winter Haven, Fla. Apparatus for controlling the flow of liquid into containers. 2,392,054; Jan. 1.

McKinnis, Ronald B., Winter Haven, Fla. Apparatus for extracting oil free nonoxidized juice. 2,393,475; Jan. 22.

McKinstry, George W., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Safety appliance. 2,407,891; Sept. 17.

McLaren, Helen H., administratrix; *See*—

McLaren, Roy W.

McLaren, Peter J.; *See*—

Maxson, William L., Lutz, McLaren, and Fedotoff.

McLaren, Roy W., Oaklyn, N. J.; H. H. McLaren, administratrix of said R. W. McLaren, deceased. Right-angled aligning and assembling fastener bracket. 2,399,053; Apr. 23.

McLaren, Roy W., deceased, Oaklyn, N. J.; H. H. McLaren, administratrix, assignor to H. McLaren, Fastener positioning, aligning, and securing plates for welding. 2,404,837; July 30.

McLaren, Roy W., deceased, Oaklyn, N. J.; H. H. McLaren, administratrix, assignor to H. McLaren, Oaklyn, Camden, N. J. Jig. 2,404,858; July 30.

McLarn, Ernest S.; *See*—

Deakin, Gerald, and McLarn.

McLarn, Ernest S., Manbasset, assignor to International Standard Electric Corporation, New York, N. Y. Multiple connections for electrical apparatus. 2,399,753; May 7.

McLarn, Ernest S., Manbasset, assignor to International Standard Electric Corporation, New York, N. Y. Telephone instrument. 2,408,796; Oct. 8.

McLarn, Ernest S., Manbasset, assignor to International Standard Electric Corporation, New York, N. Y. Cord connector for telephone instruments. 2,413,030; Dec. 24.

McLaughlin, Frank L., assignee; *See*—

Burke, James P.

McLaughlin, John R., New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y. Tube telescoping machine. 2,391,915; Jan. 1.

McLaughlin, John R., New Brunswick, N. J., assignor to Tampax Incorporated, New York, N. Y. Tube beading device for tampon applicators and the like. 2,394,557; Feb. 12.

- McLaughlin, John R., Palmer, Mass., assignor, by mesne assignments, to Tampax, Inc., New York, N. Y. Method of and apparatus for fitting telescopic tubes and the like. 2,407,760; Sept. 17.
- McLaughlin, John R., New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y. Automatic cutter. 2,407,316; Sept. 10.
- McLaughlin, William H., and G. H. Rendel, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation. Operating on strip metal. 2,397,029; Mar. 19.
- McLaurin-Jones Co., assignee: See—
Davis, Lewis, and Gauthier.
Davis, Lewis, and Tuukkanen.
- McLean, Andrew, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Production and esterification of esterifiable nitroparaffin derivatives. 2,399,686; May 7.
- McLean, Edmond C., Palatka, Fla. Portable timber cutting saw apparatus. 2,407,028; Sept. 3.
- McLean, James S., Oakland, Calif. Hand electric welding tongs. 2,396,870; Mar. 19.
- McLean, Leland O.: See—
White, Fred L., and McLean.
- McLean, Leland O., assignor to The Osgood Company, Marion, Ohio. Fluid pressure clutch mechanism. 2,408,327; Sept. 24.
- McLean, Nathaniel G.: See—
Davis, John H., Matthews, and McLean.
- McLean, Robert E., Fort Benning, Ga. Bracket support. 2,411,448; Nov. 19.
- McLean, Robert E., Fort Benning, Ga. Rotary type can opener. 2,411,449; Nov. 19.
- McLean, William B., Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of War. Snap-on propeller. 2,410,832; Nov. 12.
- McLellan, E. W., Co., assignee: See—
McLellan, Edgar G., Fischer, and Edelman.
- McLellan, Edgar G., San Mateo, Calif., C. A. Fischer and W. Edelman, Portland, Oreg., assignors to E. W. McLellan Co., San Francisco, Calif. Device for circular sewing. 2,393,050; Jan. 15.
- McLellan, Harry E. S., assignor to Standard Telephones and Cables Limited, London, England. Wire wound electrical resistor. 2,395,587; Apr. 16.
- McLellan, Kenneth M., Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for treating thread and the like. 2,403,819; July 9.
- McLemore, Price C., Montgomery, Ala. Apparatus for cultivation of plants. 2,408,328; Sept. 24.
- McLemore, Price C., Waugh, Ala. Flame cultivation of plants. Re. 22,803; Oct. 15.
- McLennan, Miles A., Detroit, Mich. Radiant energy responsive directional control. 2,403,987; July 2.
- McLeod, Eric G.: See—
Handley, William C., Quayle, and McLeod.
- McLeod, Hector N., London, England. Drying apparatus for dehydrating plant for the treatment of grass, peat, and other moist substances. 2,397,363; Mar. 26.
- McLeod, John H.: See—
Simmons, Arthur B., and McLeod.
- McMahon, Roy F., Arlington Road, near Louisville, Ky. Applying metal binding-straps. 2,407,090; Sept. 13.
- McMahon, William W., assignor to Wingfoot Corporation, Akron, Ohio. Filling tires with liquid. 2,401,950; June 11.
- McMahon, Alexander F., Oak Park, assignor to The Bastian-Blessing Company, Chicago, Ill. Refrigerating apparatus. 2,411,833; Nov. 26.
- McMahon, Frank V., trustee: See—
Beregh, Theodore J.
- McMahon, John H., El Cerrito, and A. W. Miller, Albany, Calif. Amusement apparatus. Re. 22,706; Jan. 8.
- McMahon, John H. and A. W. Miller, Berkeley, Calif. Amusement apparatus. Re. 22,707; Jan. 15.
- McMahon, Leonard D., and George J. X., assignor to General Electric Company. High speed rotor for centrifugal compressors and the like. 2,392,858; Jan. 15.
- McManus, Charles E., J. D. Elder, G. B. Cooke, and A. J. Dornblatt, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Capping. 2,405,662; Aug. 13.
- McManus, Frank W., Del Paso Heights, Calif. Controlling fuel combustion. 2,401,836; June 11.
- McMaster, Archie J., Deerfield, and D'A. A. Young, Jr., Evanston, assignors to G-M Laboratories, Inc., Chicago, Ill. Relay. 2,398,667; Apr. 16.
- McMaster, Archie J., Deerfield, and L. Jacobson, assignors to G-M Laboratories, Inc., Chicago, Ill. Relay. 2,405,319; Aug. 6.
- McMenamin, Joseph, Clemencon, N. J. Apparatus for brewing coffee. 2,405,751; Aug. 13.
- McMichael, Floyd J., Orlando, Fla. Box dumping machine. 2,410,515; Nov. 5.
- McMillan, Andrew, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixer. 2,395,571; Feb. 26.
- McMillan, Andrew, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis. Mechanism for actuating clutches and the like. 2,400,765; May 21.
- McMillan, Clarence H., Minneapolis, Minn. Game carrier. 2,407,172; Sept. 3.
- McMillan, Frank M.: See—
Cheney, Harry A., and McMillan.
Liedholm, George E.
- McMillan, Frank M., Berkeley, and G. E. Liedholm, Long Beach, assignors to Shell Development Company, San Francisco, Calif. Production of toluol. 2,392,398; Jan. 8.
- McMillan, Frank M., and H. A. Cheney, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Isomerization of pentane. 2,393,051; Jan. 15.
- McMillan, James O., Wichita, Kans. Diaphragm pump. 2,407,792; Sept. 17.
- McMillin, James R., and S. H. Lake, Newark, assignors to Owens-Corning Fiberglass Corporation, Toledo, Ohio. Making reinforced slivers. 2,411,326; Nov. 19.
- McMorris, E. Y., assignee, et al.: See—
Gilliam, Coleman W.
- McMullen, John F.: See—
McMullen, John and J. F., and Swartwood.
- McMullen, John, Buffalo, N. Y., J. F. McMullen, Cleveland Heights, Ohio, and C. N. Swartwood, Dunmore, Pa. Slack adjuster. 2,393,117; Jan. 15.
- McMullen, John, Buffalo, N. Y. Adjustable lading brace for railway cars. 2,401,091; Sept. 3.
- McMurray, Harry G., Wakefield, Mass. Shoemaking. 2,409,880; Oct. 22.
- McMurray, Lynn L.: See—
Cole, Allen T., Duke, and McMurray.
- McNab, John G.: See—
Rogers, Dilworth T., and McNab.
Winning, Carl, and McNab.
- McNab, John G., Cranford, and D. T. Rogers, Teaneck, N. J., assignors to Standard Oil Development Company. Chemical process, etc. 2,399,877; May 7.
- McNab, John G., Cranford, and D. T. Rogers, Plainfield, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,409,686; Oct. 22.
- McNab, John G., Cranford, and C. Winning, Westfield, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,411,583; Nov. 26.
- McNabb, Louis A., Glenview, assignor to Bell & Howell Company, Chicago, Ill. Sprocket device. 2,410,121; Oct. 23.
- McNabb, Frederick L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of finely-divided silicon dioxide. 2,399,687; May 7.
- McNabney, Ralph: See—
Wegert, Walter F., Bacon, and McNabney.
- McNair, George B.: See—
Syrcher, Edward V., McNair, and Crump.
- McNally, James G.: See—
Bickey, Joseph B., and McNally.
Dickey, Joseph B., and McNally.
Jensen, Edgar C., Scull, and McNally.
- McNally, J. H., administrator: See—
Drake, Winifred E.
- McNally-Pittsburgh Manufacturing Corporation, The, assignee: See—
Patterson, Charles H. J.
- McNamara, Gordon G., Jr., Chicago, Ill., assignor to International Harvester Company. Vehicle. 2,407,092; Sept. 3.
- McNamee, Bernard F., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Pickup. 2,400,564; May 21.
- McNatt, Eugene M., Tulsa, Okla., assignor to Standard Oil Development Company. Integrating apparatus. 2,398,238; Apr. 9.
- McNeal, Irene, Newport, Vt. Vacuum-type dusting mop. 2,394,798; Feb. 12.
- McNeil Machine & Engineering Company, The, assignee: See—
Soderquist, Leslie E.
- McNeil, William M., Wheaton, Ill., assignor to United States Gypsum Company, Chicago, Ill. Cupola furnace. 2,395,231; Feb. 19.
- McNir, Robert J., Perth Amboy, N. J. Electrolytic cell. 2,393,330; Jan. 22.
- McOmie, Rulon W.: See—
Montgomery, George C., and McOmie.
- McOrlly, Joseph, Wilkinsburg, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electrical heating element. 2,391,995; Jan. 1.
- McOrlly, Joseph, assignor, by mesne assignments, to Edwin L. Wiegand Company, Pittsburgh, Pa. Pitot tube. 2,399,370; Apr. 30.
- McPherson, Hal W., Chicago, Ill., assignor to Allied Chemical Co., Inc., New York, N. Y. Valve. 2,407,761; Sept. 17.
- McPeters, Erwin R., Boise, Idaho. Ore concentrating table. 2,408,797; Oct. 8.
- McPeters, Leonard: See—
Zavarella, Arthur, and McPeters.
- McPeters, Leonard L., Springfield, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War. Magazine loader. 2,403,012; July 2.
- McQuay-Norris Manufacturing Company, assignee: See—
Persons, Lawrence M.
Smith, Dallas M.

- McQueen, David M., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements. 2,397,866; Apr. 2.
- McQueen, David M., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemically modified wool. 2,406,958; Sept. 3.
- McRae, Daniel B.: *See*—
- Beggs, Joseph S., McRae, and Eagle.
- McRae, Daniel B., assignor to Eastman Kodak Company, Rochester, N. Y. Formation of mirrors by thermal evaporation. 2,394,930; Feb. 12.
- McRae, James W., Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic generating system. 2,408,437; Oct. 1.
- McReynolds, Wm W., assignor to Great National Air Conditioning Company, Dallas, Tex. Remote control for evaporative coolers. 2,413,150; Dec. 24.
- McSpadden, Donovan M., and J. Cook, Charlotte, N. C. Cloth finishing clamp. 2,400,766; May 21.
- McVey, Gerald E., Columbus, Ohio. Torque gauge. 2,411,931; Dec. 3.
- McWane, Henry E., and H. K. McGavock, Lynchburg, Va. Ladle. 2,400,362; May 14.
- McWane, Henry E., and H. K. McGavock, Lynchburg, Va.: said McGavock assignor to said McWane. Apparatus for introducing molten material into molds. 2,409,779; Oct. 22.
- McWhirter, Eric M. S.: *See*—
- Harley, George C., McWhirter, and Handley.
- McWhirter, Eric M. S., and R. H. Dunn, London, W. C. 2, assignors to Standard Telephones and Cables Limited, London, England. Generator of electrical oscillations. 2,392,331; Jan. 22.
- McWhorter, Cullen J., South Houston, Tex., assignor to Lane-Weiss Company, Los Angeles, Calif. Side wall sampling tool. 2,392,683; Jan. 8.
- McWilliams, Joseph L., San Francisco, Calif. Concrete form bracket. 2,402,937; June 18.
- Meacham, Edward M.: *See*—
- Moecher, Henry Jr., Frick, Meacham, and White.
- Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,396,111; Mar. 5.
- Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,408,085; Sept. 24.
- Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,410,833; Nov. 12.
- Meacham, Larned A., Summit, N. J., M. E. Mohr, Jamaica, N. Y., and C. V. Parker, Washington, D. C., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse system. 2,408,086; Sept. 24.
- Mead, Charles M., Los Angeles, Calif. Shirt collar holder. 2,408,669; Oct. 1.
- Mead, Elmer C., Scotta, assignor to The Pacific Lumber Company, San Francisco, Calif. Lumber feeding conveyor for saw trimmers. 2,403,673; July 9.
- Mead, Theodore E., Wilmette, Ill. Holding device. 2,395,521; Mar. 12.
- Mead, Theodore E., Wilmette, Ill. Work holding device. 2,398,658; Apr. 16.
- Mead, Theodore E., Wilmette, Ill. Work feeding device. 2,398,659; Apr. 16.
- Meadon, Norward A. and Dover, Mass., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 2,402,068; June 11.
- Meadow, Jacob R.: *See*—
- Woodward, Robert E., Hawthorne, and Meadow.
- Meadow, Jacob R., Memphis, Tenn., assignor to Socony Vacuum Company, Incorporated, Alkyltion. 2,403,013; July 2.
- Meadow, Jacob R., Lexington, Ky., assignor to Socony Vacuum Oil Company, Incorporated. Alkyltion process. 2,408,329; Sept. 24.
- Meahl, Harry R., Schenectady, N. Y., assignor to General Electric Company. Attenuator for ultra high frequency systems. 2,412,055; Dec. 3.
- Means, Winthrop J., Ridgewood, N. J., and T. Slonczewski, Glen Head, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric recorder. 2,395,187; Mar. 5.
- Mearl Corporation, The, assignee: *See*—
- Mattin, Harry E., and Timpson.
- Mechanical Research Corporation, assignee: *See*—
- Leavell, Charles, and Wheeler.
- Mechano Gear Shift Company, assignee: *See*—
- Konyon, Bertrand F.
- Mechiana Products Corporation, assignee: *See*—
- Nygren, Carl.
- Mechur, Berthold, New York, N. Y. Shoulder pad for garments. 2,410,986; Nov. 12.
- Medlin, Milton, Brooklyn, N. Y. Fused electrical plug. 2,406,154; Aug. 20.
- Meehan, John B.: *See*—
- Haggard, Claude C., and Meehan.
- Meehan, Paul, St. Louis, Mo. Animal trap. 2,398,188; Apr. 9.
- Meelmitte Metal Corporation, assignee: *See*—
- Kelly, Herbert W.
- Meek, John Miller: *See*—
- Haine, Michael E., and Meek.
- Meeker, David A.: *See*—
- Brookhart, Theodore C., and Meeker.
- Meeker, David A., Troy, and K. C. Allen, Dayton, assignors to The Hobart Manufacturing Company, Troy, Ohio. Scale. 2,408,942; Oct. 8.
- Mees, Frank S., Swampscott, Mass. Platform sole. 2,405,443; Aug. 6.
- Megathlin, Ralph S., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel seat fitting machine. 2,398,796; Apr. 23.
- Mehan, Thomas O., assignor to Victor Adding Machine Company, Chicago, Ill. Calculating machine. 2,411,050; Nov. 12.
- Mehan, Thomas O., Park Ridge, and H. E. Hooe, assignors to Victor Adding Machine Co., Chicago, Ill. Calculating machine. 2,396,188; Mar. 5.
- Mehard, Robert S., assignor to Truscon Steel Company, Youngstown, Ohio. Bifold canopy door. 2,393,052; Jan. 15.
- Mehl, Stephen, Jr., Sans Souci, Mich. Buoy. 2,403,539; July 9.
- Mehr, Otto, North Bergen, N. J. Hospital bed. 2,407,899; Sept. 17.
- Mehring, Arthur C., H. W. Lensner, East Orange, and S. L. Goldsborough, Basking Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carrier-current phase-angle relaying system. 2,408,868; Oct. 8.
- Melander, Philip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Breathing apparatus. 2,399,054; Apr. 23.
- Meldenbauer, Phillip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Pressure reducer for breathing apparatus. 2,399,116; May 13.
- Meldenbauer, Phillip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Breathing apparatus. 2,406,888; Sept. 3.
- Meldenbauer, Phillip E., Jr., Lancaster, and H. A. Benzell, Marilla, assignors to Scott Aviation Corporation, Lancaster, N. Y. Oxygen and air controlling apparatus for aviators. 2,396,716; Mar. 19.
- Meier, Herbert H., Baytown, Tex., assignor to Standard Oil Development Company. Production of aromatics. 2,400,363; May 14.
- Meier, Herbert H., Baytown, Tex., assignor to Standard Oil Development Company. Cracking process. 2,401,363; June 4.
- Meier, Herbert H., Baytown, Tex., assignor to Standard Oil Development Company. Extraction with sulphur dioxide. 2,402,425; June 18.
- Meigs, Douglas P., assignor to American Instrument Company, Silver Spring, Md. Closure for high-pressure vessels. 2,396,469; Mar. 12.
- Meigs, Henry G., Milwaukee, Wis. Highway reflector sign and the like. 2,411,222; Nov. 19.
- Meili, Gottfried, San Gabriel, assignor of one-half to M. P. McCaffrey, Los Angeles, and one-half to W. Rudloff, South Pasadena, Calif. Control mechanism for hoisting equipment. 2,412,412; Dec. 10.
- Meincke, Edward: *See*—
- Buckman, James H., Meincke, and Young.
- Meincke, Howard D., assignee: *See*—
- Turner, Frank D.
- Meinel, William J.: *See*—
- Green, Samuel G., D'Ardenne, Meinel, and De Vore.
- Meinhard, David, Jr., and Meinema.
- Meinerding, Wesley C., Canton, Ohio. Vehicle lighting system. 2,397,748; Apr. 2.
- Meinert, Richard N., Westfield, N. J., assignor to Standard Oil Development Company. Alkylation of mixed olefins. 2,408,798; Oct. 8.
- Meinert, Richard N., Westfield, and P. H. Holt, II, Summit, N. J., assignors to Standard Oil Development Company. Improving naphtha. 2,410,891; Nov. 12.
- Meinert, Sylvester E., Wynnewood, Pa. Drill. 2,393,550; Jan. 15.
- Meinke, Arthur E., Minneapolis, Minn. Piston. 2,409,057; Oct. 8.
- Mels, Helmut: *See*—
- Hoffmann, Ulrich, and Mels.
- Meiss, Philip E.: *See*—
- Nichols, Peter L., Jr., Meiss, and Yanovsky.
- Meissner, William E.: *See*—
- Delano, William R. P., and Meissner.
- Meister, Walter F.: *See*—
- Cole, Sanford S., and Meister.
- Meitner, Bela, Whitecourt, assignor to Aero Zip Fasteners Limited, London, W. C. 1, England. Slider for sliding clip fasteners. 2,404,977; July 30.
- Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Injection system. 2,405,043; July 30.
- Mejean, Jacques G., Westport, and J. C. Daninos, Darien, Conn., assignors, by mesne assignments, to C. E. Warner, Jackson Heights, N. Y. Recharging system for machine guns. 2,413,241; Dec. 24.
- Mekler, Lev A.: *See*—
- Gerhold, Clarence G., and Mekler.
- Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,408,943; Oct. 8.

- Mekler, Lev A., Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Controlling the cooling of convective fluid streams. 2,409,376; Oct. 15.
- Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Reactor. 2,409,780; Oct. 22.
- Melas, William, Philadelphia, and J. Razez, Llanerch, Pa., assignors, by mesne assignments, to HSB Corporation, Measuring system. 2,411,350; Nov. 19.
- Melchers, John H., Minneapolis, Minn. Plier structure. 2,399,497; Apr. 30.
- Melchior, Frederick C., New York, N. Y. Carburetor preheat system. 2,407,719; Sept. 17.
- Melhuish, Lawrence E., See—
- Kinkead, F. S., Melhuish, Singer, and Smith.
- Melichar, Joseph F., See—
- Parker, Arthur L., and Melichar.
- Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Shuttle valve. 2,408,799; Oct. 8.
- Melichar, Joseph F., and W. Margrave, assignors to The Parker Appliance Company, Cleveland, Ohio. Sump selector valve. 2,409,220; Oct. 15.
- Melick, Thomas E., See—
- Dirkes, Robert F., Melick, and Kimball.
- Melidoni, Constantine, New York, N. Y. Piston expander. 2,396,055; Mar. 5.
- Melidoni, Constantine, and H. Gass, New York, N. Y., assignors to The Norman Company, Springfield, Mass. Grinding attachment. 2,400,767; May 21.
- Melin, William, Detroit, Mich. Machine base for milling machines. 2,398,239; Apr. 9.
- Melin, William, Grand Rapids, Mich. Centerless grinding machine. 2,411,972; Dec. 3.
- Melkus, Leonard A., See—
- Geer, Russell L., and Melkus.
- Mellen, William F., Whittier, and J. H. Clasen, Anaheim, assignors, by direct and mesne assignments of one-half to said Mellen and one-half to H. Rogers, Bakersfield, Calif. Flow with single coiler. 2,401,837; June 11.
- Meller, Reginald B., Oakland, Calif. Box. 2,404,916; July 30.
- Melling, George, Sr., Jackson, Mich. Tractor or traction wheel. 2,401,577; June 4.
- Melling, George, Sr., Jackson, Mich. Machine tool. 2,404,869; July 30.
- Mellor, Albert, and R. Martin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Apparatus for the treatment of textiles. 2,392,939; Jan. 15.
- Melniczak, Alex., Camden, N. J. Electric igniter. 2,395,591; Mar. 12.
- Meltz, Julius B., See—
- Rubin, Irving, and Meltz.
- Melvill, Francis L., New York, N. Y. Packing for vapor and liquid contacting apparatus. 2,405,593; Aug. 13.
- Melvill, Francis L., New York, N. Y. Contacting apparatus. 2,405,594; Aug. 13.
- Memovox, Incorporated, assignee: See—
- Brubaker, George P.
- Mendelsohn, Majer, New York, N. Y. Poison gas protection. 2,396,923; Mar. 19.
- Mendelson, Clarence R., San Francisco, Calif. Fishing tackle. 2,399,371; Apr. 30.
- Mendelson, Hans, Bloomington, Ind., assignor to Radio Corporation of America. Clamp. 2,397,749; Apr. 2.
- Mendoza, Mordecai, and M. A. T. Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Pyrolyse azo dyestuffs. 2,395,135; Feb. 19.
- Meneley, Carl A., See—
- Tolson, William A., and Meneley.
- Meneley, Carl A., Princeton, N. J., assignor to Radio Corporation of America. Reciprocal circuit. 2,403,540; July 9.
- Menke, Edward, Cincinnati, Ohio. Container holder. 2,394,323; Feb. 6.
- Mennen, Francis E., Washington, D. C. Pintle. 2,397,558; Apr. 2.
- Mennesson, Marcel, assignor to Societe Anonyme Pour La Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine (Seine) France. Apparatus for measuring or checking transverse dimensions. 2,408,672; Oct. 1.
- Mennesson, Marcel L., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Carburetor of the fuel injection type. 2,392,055; Jan. 1.
- Mennesson, Marcel L., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Control device for variable pitch propellers. 2,407,317; Sept. 10.
- Mensing, Carl E., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Multiple contact counter-current extractor. 2,405,158; Aug. 8.
- Mentley, Max B., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing. 2,411,973; Dec. 3.
- Menzies, William E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Reversible single phase capacitor motor. 2,407,994; Sept. 24.
- Mercatante, Stephen S., See—
- Reynolds, Alfred T.
- Mercer, Robert G., and D. M. Taylor, New Castle, Pa., assignors to American Cyanamid & Chemical Corporation, New York, N. Y. Blasting cap package. 2,393,221; Jan. 15.
- Mercer, William R., See—
- Sanders, Royden C., Jr., and Mercer.
- Sanders, Royden C., Jr., Mercer, and Blitz.
- Mercer, William R., Hightstown, and B. R. Cole, Princeton, N. J., assignor to Radio Corporation of America. Balanced detector for altimeters. 2,410,122; Oct. 29.
- Mercier, Dewey P., Burlington, Vt. Attachment for fishing lines. 2,397,030; Mar. 19.
- Mercier, Harvey O., East Orange, N. J., assignor to National Biscuit Company, New York, N. Y. Gas-air insulator. 2,412,348; Dec. 10.
- Mercier, Jean, New York, N. Y. Making accumulator bags. 2,392,173; Jan. 1.
- Mercier, Jean, New York, N. Y. Pump. 2,392,754; Jan. 8.
- Mercier, Jean, New York, N. Y. Strainer insert for hydraulic accumulators. 2,399,444; Apr. 30.
- Mercier, Jean, New York, N. Y. Accumulator. 2,399,879; May 7.
- Mercier, Jean, Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Pump. 2,392,543; Jan. 8.
- Mercier, Pierre E., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Landing gear with dirigible landing wheel. 2,401,364; June 4.
- Mercier, Pierre E., New York, assignor to Stratos Corporation, Farmingdale, N. Y. Power transmission mechanism for aircraft engines. 2,401,365; June 4.
- Mercier, Pierre E., New York, assignor to Stratos Corporation, Farmingdale, N. Y. Power transmission mechanism for aircraft engines. 2,401,496; June 4.
- Mercier, Pierre E., New York, assignor to Stratos Corporation, Farmingdale, N. Y. Control system for airplane power plants. 2,401,497; June 4.
- Mercier, Stanley M., Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Conveyor. 2,400,246; May 14.
- Mercik & Co., Inc. assignee: See—
- Becker, Harold J.
- Folkers, Karl, and Major.
- Folkers, Karl, Rogers, and Heal.
- Harris, Stanton A.
- Keresztesy, John C., and Stevens.
- Major, Randolph T., and Folkers.
- Snyder, Harold R.
- Stillier, Eric T.
- Stokes, Jacob L.
- Tishler, Max.
- Van de Kamp, Jacob, and Slettinger.
- Waksman, Selman A.
- Waksman, Selman A., and Karow.
- Weiland, John, and Tishler.
- Mercor, Nordstrom Valve Company, assignee: See—
- Nordstrom, Sven J.
- Mercor-Trinkle Machine Co., assignee: See—
- Trinkle, Dallas R.
- Mercury Clutch Corporation, assignee: See—
- Zimmermann, Hans J.
- Meredith, Frederick M., Toronto, Ontario, Canada. Saw table. 2,396,961; Mar. 19.
- Meredith, Frederick W., London, England, assignor to S. Smith & Sons (England) Limited. Control apparatus for air and water craft. 2,400,701; May 21.
- Meren-Johnson Machine Company, assignee: See—
- Bolling, Oscar S.
- Mergenthaler Linotype Company, assignee: See—
- Frolander, Frank C.
- Meriam, Charles, Cleveland, Ohio, assignor to The Meriam Instrument Company. Manometer. 2,407,568; Sept. 10.
- Meriam Instrument Company, The, assignee: See—
- Meriam, Charles.
- Merit Engineering, Inc., assignee: See—
- Walley, Herbert H., Jr., and Keema.
- Merkel, Joseph P., See—
- Haites, William D., and Merkel.
- Merkel, Herman, and H. L. Newton, assignors to Pressed Steel Tank Company, Milwaukee, Wis. Barrel closure. 2,397,500; Apr. 2.
- Merkle, Earl, Northport, assignor to American Sealcone Corporation, New York, N. Y. Container. 2,399,241; Apr. 30.
- Merkle, Joseph M., Chicago, Ill. Chemically purifying and refining metals. 2,395,295; Feb. 19.
- Merner, Richard R., Deerfield, Ill. assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polymer solutions. 2,404,723; July 23.
- Mero, Ralph M., and A. Treff, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Machine for electric welding can bodies. 2,412,166; Dec. 3.
- Merrall, William S., Company, The, assignee: See—
- Bird, John C., and Kuna.
- Shelton, Robert S.
- Shelton, Robert S., and Van Campen.
- Shelton, Robert S., and Van Campen, Jr.
- Van Zoeren, Gerrit J.
- Merrifield, Arthur L., See—
- Irving, George W., Merrifield, Burnett, and Parker.
- Merrill Brothers, assignee: See—
- Gardner, Edward M.

- Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Drier for decorated wigs. 2,409,293; Oct. 15.
- Merrill, George S., Cleveland, Ohio, assignor to General Electric Company. Tubular lamp and holder therefor. 2,393,180; Jan. 15.
- Merrill, George S., Cleveland, Ohio, assignor to General Electric Company. Illuminating apparatus. 2,408,471; Oct. 1.
- Merrill, Grant S., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Elastoplastic window glazing compound. 2,400,565; May 21.
- Merrill, Leslie M., assignee, et al., trustee: See—
Lysholm, Alf.
- Merritt, George E.: See—
Hurley, Roy T., and Merritt.
- Merritt, George E., and B. W. Jones, Elmira, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Continuous strip camera. 2,397,031; Mar. 19.
- Merritt, Glenn W., assignor to The Mining Safety Device Company, Bowerston, Ohio. Car-dumping apparatus. 2,407,569; Sept. 10.
- Merry, Arthur A., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Brazed cylinder muff. 2,400,157; May 14.
- Merry Hull and Company, assignee: See—
Gelsmann, Gladys W.
- Merryweather, Gerald, Cuyahoga Falls, and L. Merryweather, assignors to Merryweather Products Company, Akron, Ohio. Fireplace front. 2,398,240; Apr. 9.
- Merryweather, Lloyd: See—
Merryweather, Gerald and L.
- Merryweather Products Company, assignee: See—
Merryweather, Gerald and L.
- Merton, Percy, Hillsdale, N. J. Military cap. 2,398,714; Apr. 16.
- Mertz, Valentine, Dallas, Tex., assignor to Phillips Petroleum Company. Reducing corrosion and polymerization of kerosene in extractive distillation plants. 2,406,781; Oct. 22.
- Merwin, Thomas B., Woodstock, Ill. Hospital equipment. 2,394,091; Feb. 5.
- Merwin, Walter J.: See—
Teter, John W., and Merwin.
- Merz, Otto H., Wauwatosa, Wis., Marine National Exchange Bank of Milwaukee, executor of said O. H. Merz, deceased. Sliding door. 2,410,892; Nov. 12.
- Mesh, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Control apparatus for alternating current. 2,411,051; Nov. 12.
- Mesnel, Pierre, Colombes, France; vested in the Allen Property Custodian. Guideway for sliding windows. 2,407,671; Sept. 17.
- Mesner, Max H., Collinswood, N. J., assignor to Radio Corporation of America. Exponential deflecting and centering circuits. 2,412,683; Dec. 17.
- Messana, Joseph, Jr., assignor to The Jaeger Machine Company, Columbus, Ohio. Groove-forming attachment for machine tools. 2,409,299; Oct. 15.
- Messenger, Robert P., Kenilworth, and R. D. Acton, assignors to International Harvester Company, Chicago, Ill. Bale loading device. 2,410,516; Nov. 5.
- Messenger, Robert P., Kenilworth, A. E. W. Johnson, Oak Park, and W. F. Schmied, Blue Island, Ill., assignors to International Harvester Company. Detachable manure spreader. 2,410,953; Nov. 12.
- Messenger, Robert W., Salisbury, Md. Making strip blanks for cans from long and wide metal stock. 2,406,155; Aug. 20.
- Messick, Kirwan Y., Arlington, Va. Flower holder for cemetery use. 2,399,498; Apr. 30.
- Messing: See—
Ejlsner, S., and
Lowgren, Karl A. U., Alfsen, and Messing.
- Messinger, Clyde: See—
Messinger, George S. and C.
- Messinger, George S., assignor to Messinger Manufacturing Company, Tatamy, Pa. Distributor for dust applying mechanisms. 2,400,703; May 21.
- Messinger, George S. and C., assignors to Messinger Manufacturing Company, Tatamy, Pa. Method of and apparatus for dusting plants. 2,400,702; May 21.
- Messinger Manufacturing Company, assignee: See—
Messinger, George S.
- Messinger, George S. and C.
- Messinger, William, Philadelphia, Pa. Hydraulic pump. 2,403,292; July 2.
- Messmer, Edwin E., River Edge, N. J., assignor to Ameco Packaging Machinery, Inc., Long Island City, N. Y. Machine for sealing bags. 2,410,834; Nov. 12.
- Messmore, Harold E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Sweetening of gasoline. 2,395,476; Jan. 22.
- Messmore, Harold E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Thermal insulation of vessels. 2,395,546; Apr. 16.
- Messner, Georg: See—
Suchy, Robert, and Messner.
- Mesta Machine Company, assignee: See—
Iversen, Lorenz.
- Mestas, Ricardo, Los Angeles, assignor, by mesne assignments, to Kobe, Inc., Huntington Park, Calif. Method and apparatus for analyzing motion or other phenomena. 2,397,032; Mar. 19.
- Mestas, Ricardo, Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Electric gauge. 2,408,524; Oct. 1.
- Mesthene, Emmanuel G.: See—
Lutzge, William G., and Mesthene.
- Meston, Archibald F., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Composite electrode. 2,409,799; Oct. 15.
- Metal Hydrides Incorporated, assignee: See—
Alexander, Peter P.
- Archibald, Frederick R., and Alexander. Davis, Lewis W.
- Metal Products Corporation, assignee: See—
Kincannon, Leo T.
- Metal Specialties Manufacturing Co., assignee: See—
Ruskin, Henry.
- Metal Textile Corporation, assignee: See—
Goodloe, Alfred M.
- Hartwell, Ralf L.
- Kisch, Louis A.
- Springhorn, Charles.
- York, Otto H.
- Metal & Thermit Corporation, assignee: See—
Work, Lincoln T., and Mathias.
- Metallisation, Limited, assignee: See—
Ballard, William E.
- Metallizing Engineering Co., Inc., assignee: See—
Shepard, Arthur P.
- Metallurgical Processes Co., assignee: See—
Ness, Harold J.
- Metals and Controls Corporation, assignee: See—
Moorhead, John O.
- Metals Disintegrating Company, Inc., assignee: See—
Hall, Harold E., and Knoll.
- Sachse, Julius F.
- Ziehl, Otho A.
- Metz, Max, assignor to Metz Machine Company, assignee: See—
Zademach, Erich R., and Clarke.
- Metcalf, Herbert E., Walnut Creek, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Apparatus for analyzing hydrocarbons. 2,393,650; Jan. 29.
- Metcalfe, Samuel L., Camp Swift, Tex. Land mine. 2,399,242; Apr. 30.
- Meth, Orval W., Sacramento, Calif. Hydraulic extensible valve tappet. 2,393,793; Jan. 29.
- Metropolis Bending Company, assignee: See—
Puls, Alfred E., and Swenson.
- Metropolitan Device Corporation, assignee: See—
Pheps, George H.
- Metropolitan Engineering Company, assignee: See—
Friesmann, George J., and Brunner.
- Metropolitan-Vickers Electrical Company Limited, assignee: See—
Baumann, Karl.
- Brathwaite, Robert C.
- Dodds, John M., and Wilcox.
- Flurscheim, Cedric H.
- Haine, Michael E.
- Haine, Michael E., and Meek.
- Hall, Joseph S.
- Smith, David M.
- Todd, Keith W.
- Whalley, Harry, and Miller.
- Whalley, Harry, and Scoles.
- Metzger, Alfred E., U. S. Navy. Carburetor arrangement. 2,396,279; Mar. 12.
- Metzger, Arthur A., Washington, D. C. Automatic unidirectional gear. 2,395,636; Feb. 26.
- Mettetal, Donald Jr., Indianapolis, Ind. Automatic digtible tandem wheel unit. 2,409,507; Oct. 15.
- Metz, Artur: See—
Hildebrand, Paul, and Metz.
- Metz, Christopher, Baldwin, N. Y. Game apparatus. 2,392,174; Jan. 1.
- Metzger, Claude W., Houston, Tex., and P. R. Snetcher, Oklahoma City, Okla., assignors to Haynes Stellite Company. Rotary cutting tool. 2,399,372; Apr. 30.
- Metzger, Floyd J., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Production of glycols. 2,409,441; Oct. 15.
- Metzger, George H.: See—
Murray, John A., and Metzger.
- Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Dual strip feeding apparatus. 2,393,332; Jan. 22.
- Metzner, Albert W., and A. A. Gopperton, assignors to The Standard Register Company, Dayton, Ohio. Impripping apparatus. 2,393,651; Jan. 29.
- Metzner, Albert W., and A. A. Gopperton, assignors to The Standard Register Company, Dayton, Ohio. Ink fountain. 2,399,688; May 7.
- Metzner, Robert B., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Spinning mechanism. 2,398,438; Apr. 16.
- Meuer, George J., Milwaukee, and R. A. Millermaster, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Rotary electric switch. 2,395,572; Feb. 26.

- Meull, Lloyd J., assignor to The Dow Chemical Company, Midland, Mich. Herbicides. 2,392,859; Jan. 15.
- Meuly, Walter C.: *See—*
Bradshaw, George B. and Meuly.
- Meuly, Walter C., Highland Park, N. J., H. R. Rosenberg, Wilmington, Del., and D. H. Terry, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing sterol derivatives. 2,395,232; Feb. 19.
- Mennier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Reversible close quarter drill. 2,392,097; Jan. 1.
- Mevi, George G., New York, N. Y., Combination cigarette and card case. 2,410,967; Nov. 12.
- Mevi, George G., New York, N. Y. Game board. 2,410,988; Nov. 12.
- Mevi, George G., New York, N. Y. Picture holder. 2,410,989; Nov. 12.
- Meyer, Albert, Albuquerque, N. Mex. Navigator. 2,407,893; Sept. 17.
- Meyer, André J., Lexington, Ky., assignor to Mawen Motor Corporation, New York, N. Y. Engine. 2,408,800; Oct. 8.
- Meyer, Andres: *See—*
Lear, Earl B., and Meyer.
- Meyer, Andrew, Cleveland Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Snubber for pistons. 2,409,384; Oct. 22.
- Meyer, Arthur E., Flushing, assignor to The Maltine Company, Brooklyn, N. Y. Water dispersible hormone preparations and preparing same. 2,394,628; Feb. 12.
- Meyer, Edward J., Normandy, Mo., assignor to Curtiss-Wright Corporation. Cannon feed unit. 2,397,501; Apr. 2.
- Meyer, Edwin W.: *See—*
Julian, Percy L., and Meyer.
- Meyer, Frank W., East St. Louis, Ill. Hydraulic flywheel. 2,404,513; July 23.
- Meyer, Fred C.: *See—*
Du Bois, George B., Madden, and Meyer.
- Meyer, George J., Milwaukee, assignor to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Gearbox for bottle cleaning machine. 2,393,384; Oct. 22.
- Meyer, George J., Milwaukee, Wis. Vise. 2,407,341; Sept. 10.
- Meyer, Geo. J., Manufacturing Co., assignee: *See—*
Meyer, George J.
- Meyer, Gerhard, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif. Hose clamp. 2,403,606; July 9.
- Meyer, Gerhard, and C. G. Woodmansee, assignor to Lane-Wells Company, Los Angeles, Calif. Hose clamp. 2,403,449; July 9.
- Meyer, Henry C. A., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Washing machine. 2,404,450; July 23.
- Meyer, Hugh C., Jr., assignor to Foote Mineral Company, Philadelphia, Pa. Non-aqueous gel. 2,409,950; Oct. 22.
- Meyer, Joseph B., Kenosha, Wis. Fluid pressure pump. 2,410,354; Oct. 29.
- Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web breaker. 2,399,445; Apr. 30.
- Meyer, Joseph H., Brothers, assignee: *See—*
Casolino, Joseph.
- Meyer, Jules: *See—*
Graenacher, Charles, Frel, and Meyer.
- Meyer, Leonard S., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of synthetic resin coatings. 2,400,016; May 7.
- Meyer, Lester W. A., and W. M. Gearhart, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic acid ester plastics containing resacetophenone. 2,393,794; Jan. 29.
- Meyer, Max L., Los Angeles, Calif. Tiltable trap chamber measuring dispensing device. 2,407,377; Sept. 10.
- Meyer, Maximilian C., Brooklyn, N. Y. Light reflecting ornament. 2,395,492; Feb. 26.
- Meyer, Otto, Wynnewood, and L. Stein, Philadelphia, Pa., assignors to Government of the United States of America, as represented by the Secretary of War. Pigeon container. 2,398,797; Apr. 23.
- Meyer, Percy, Ottawa, Ontario, Canada, assignor to Shell Development Company, San Francisco, Calif. Spreading agent. 2,397,191; Mar. 26.
- Meyer, Raymond E., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Modulating systems. 2,395,573; Feb. 26.
- Meyer, Roger E., St. Paul, Minn. Auxiliary eyeshell and welding hood. 2,406,092; Apr. 20.
- Meyer, Ronald E., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil. 2,399,817; May 7.
- Meyer, Ronald E., and F. P. Otto, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparing high molecular weight aliphatic ketones. 2,410,090; Oct. 29.
- Meyer, William: *See—*
Krone, Howard C., and Meyer.
- Meyerbach, Max, New York, N. Y. Discharging apparatus. 2,397,192; Mar. 26.
- Meyerhans, August, Rieden, near Baden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. High voltage cable connection. 2,396,871; Mar. 19.
- Meyerhans, August, Rieden, near Baden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electrical transformer. 2,409,882; Oct. 22.
- Meyhofer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Making commutators. 2,400,590; May 21.
- Meyhofer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Lamp. 2,403,108; July 2.
- Meyhofer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Motor mounting for retractable lamps. 2,407,570; Sept. 10.
- Meyhoff, John R., Elizabeth, N. J., assignor to Elastic Stop Nut Corporation of America. Article feeding device. 2,404,648; July 23.
- Meyer, Arthur G., Minneapolis, Minn. Nursery chair swing. 2,398,384; Apr. 16.
- Meyers, Bernard C., Barborton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Purification of titanium tetrachloride. 2,412,349; Dec. 10.
- Meyers, Willis G., Elmwood Park, Ill. Fuel injection pump. 2,398,798; Apr. 23.
- Meystre, Charles: *See—*
Miescher, Karl, and Meystre.
- Miami Valley Coated Paper Co., The, assignee: *See—*
Sere, Alfred A.
- Michael, Albert A., Charlotte, N. C. Slack adjuster for brakes. 2,402,828; June 25.
- Michael, Ferris E., Rozel, Kans. Twin feed grain blower. 2,405,094; July 30.
- Michael, John K., Arab, Ala. Adjustable plow. 2,399,818; May 21.
- Michael, Leonard U., Montreal, Quebec, Canada. Turn-down shirt collar. 2,408,570; Oct. 1.
- Michaels Art Bronze Company, The, assignee: *See—*
Michaels, Frank L.
- Michaels, Frank, New York, N. Y. Flexible guard railing. 2,397,755; Jan. 8.
- Michaels, Frank L., Fort Thomas, assignor to The Michaels Art Bronze Company, Covington, Ky. Parking meter mechanism. 2,397,878; Apr. 2.
- Michaelson, Jesse L., Schenectady, N. Y., assignor to General Electric Company. Color matching apparatus. 2,411,741; Nov. 26.
- Michatek, Chester W.: *See—*
Leary, James F.
- Michel, A., S.-A.: *See—*
Fritz, Matter.
- Michel, Jacob L., assignor to Bluhill Foods, Incorporated, Denver, Colo. Automatic means responsive to quantity of material in discharging receiver for controlling delivery from source. 2,408,221; Sept. 24.
- Michel, Philip C., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device circuit. 2,407,505; Sept. 10.
- Micelli, Anthony G. M., Melbourne, Victoria, Australia. Crankless mechanism. 2,401,433; June 4.
- Michels, Friedrich: *See—*
Coldberg, Rolf, and Michels.
- Michelsen, Henry, Bristol, and C. C. Stevens, Forestville, Conn., assignors to General Motors Corporation, Detroit, Mich. Lapping machine. 2,398,660; Apr. 16.
- Michigan Patents Corporation, assignee: *See—*
Cox, Robert G.
- Michigan State Board of Agriculture, assignee: *See—*
Lewis, Ralph W.
- Michigan Tool Company, assignee: *See—*
Pelphrey, Harry.
- Michna, Edward N., Detroit, Mich. Conveyor mechanism. 2,398,188; Apr. 9.
- Michyeta, Andrew, Hinsdale, Ill. Ash receiver. 2,410,606; Nov. 5.
- Micromatic Hone Corporation, assignee: *See—*
Kline, John E.
- Micropat, Inc., assignee: *See—*
Holbrook, John K.
- Microstat Corporation, assignee: *See—*
Pratt, Verneur E.
- Mid-Continent Petroleum Corporation, assignee: *See—*
Dons, Eddie M., and Mauro.
- Middlemiss, Joseph E., Sommerton, Pa. Safety device for mechanical time fuses. 2,398,439; Apr. 16.
- Middleton, Donald R., assignee, et al.: *See—*
Bixby, William H.
- Middleton, Leslie H., Toledo, Ohio. Generator. 2,397,614; Apr. 2.
- Midland Steel Products Company, assignee: *See—*
Maddock, Robert H., and Kricker.
- Miding, Eugene A., assignor to Shakespear Products Company, Kalamazoo, Mich. Cable connector. 2,399,133; Apr. 23.
- Mid-States Equipment Company, assignee: *See—*
Nielsen, Clayton P.
- Mid-States Gummed Paper Co., assignee: *See—*
Humphrey, Ferdinand W.
- Mid-West Bottle Cap Co., assignee: *See—*
Sonnenberg, Rudolph.

- Mieher, Walter W.: *See*—
Maybarduk, Leon A., Mieher, Zand, and White.
- Mieher, Walter W., Mineola, and J. D. Mallett, Garden City, assignors to Ciba Pharmaceutical Products, Inc., Brooklyn, N. Y. High-frequency apparatus. 2,407,318; Sept. 10.
- Miescher, Karl: *See*—
Hurtman, Max, Miescher, Kaegi, and Bosshard.
- Miescher, Karl, Riehen, and J. Hees, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Esters and producing same. 2,395,934; Mar. 5.
- Miescher, Karl, Riehen, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Incorporated, Summit, N. J. Stable, supersaturated solutions of saccharide derivatives of the suprarenal cortical hormone series and making same. 2,411,631; Nov. 26.
- Miescher, Karl, Riehen, and A. Marxer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Amino alcohols and preparing the same. 2,411,664; Nov. 26.
- Miesegages, William, New York, N. Y. Question and answer device. 2,394,711; Feb. 12.
- Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Harding Township, Morris County, N. J. Apparatus for the production of music. 2,413,062; Dec. 24.
- Miessner Inventions, Inc., assignee: *See*—
Miessner, Benjamin F.
- Mighton, Charles J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Haloprene copolymer. 2,392,756; Jan. 8.
- Mighton, Charles J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic drying oils. 2,401,769; June 1.
- Mignon, George E., Sydney, New South Wales, Australia. Safety razor frame. 2,402,116; June 11.
- Migrdichian, Vartkes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous dibasic carboxylic acid salts of a guanidine as mothproofers. 2,409,833; Oct. 22.
- Mihalyi, Joseph: *See*—
Holmes, Frederick M. E., and Mihalyi.
- MacNellie, Stephen M., and Mihalyi.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,700; June 4.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,701; June 4.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,702; June 4.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,703; June 4.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,704; June 4.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,705; June 4.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,706; June 4.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Mount for optical elements. 2,403,737; July 9.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder construction. 2,403,738; July 9.
- Mihalyi, Joseph H. A. Bing, and L. J. Craig, assignors to Eastman Kodak Company, Rochester, N. Y. Coincidence type range finder. 2,398,026; Apr. 9.
- Mihalyi, Joseph H. A. Bing, and L. J. Craig, assignor to Eastman Kodak Company, Rochester, N. Y. Invert field range finder. 2,398,027; Apr. 9.
- Mihalyi, Joseph, and S. M. MacNellie, assignors to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,707; June 4.
- Mihalyi, Joseph, and S. M. MacNellie, assignors to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,708; June 4.
- Mihalyi, Joseph, and F. Tuttle, assignors to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,709; June 4.
- Mihalyi, Joseph, and S. M. MacNellie, assignors to Eastman Kodak Company, Rochester, N. Y. Range finder. 2,401,710; June 4.
- Mikina, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Production of wax modifying agents. 2,393,181; Jan. 15.
- Mikina, Stanley J.: *See*—
Hanna, Clinton R., and Mikina.
- Mikos, John J.: *See*—
Rawlins, Herbert L., and Mikos.
- Milady Brassiere & Corset Co. Inc., assignee: *See*—
Gerace, Elvira.
- Milan, Roland W.: *See*—
Mathis, John A., and Milan.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Hydroxylation of aromatic hydrocarbons. 2,395,638; Feb. 26.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Hydroxylation of unsaturated carboxylic acid compounds and the like. 2,402,566; July 23.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Synthesis of 1-alkyl-8-methyl hexahydroindanone-4. 2,407,672; Sept. 17.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Synthesis of 1-keto-8-methylhexahydroindanol-1. 2,407,673; Sept. 17.
- Miles, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Alkyl ethers of vitamin D. 2,410,893; Nov. 12.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Synthesis of ethers of vitamin A. 2,412,405; Dec. 10.
- Milasus, Aloysius G., Roselle, N. J. Telephone line pulsing device. 2,410,178; Oct. 29.
- Milberg, Lester S., Brooklyn, N. Y. Lady's slip. 2,404,451; July 23.
- Milbourne, Charles G., Los Angeles, Calif., assignor to The United Gas Improvement Company. Chemical process. 2,393,333; Jan. 22.
- Milburn, Alexander, Company, The, assignee: *See*—
Jenkins, Alexander F.
- Mildrum, Roy F.: *See*—
Maranick, Joseph V., and Mildrum.
- Miles Aircraft Limited, assignee: *See*—
Miles, George H.
- Miles, Charles F.: *See*—
Christner, Edward F., Lobley, and Miles.
- Miles, Francis H., Jr.: *See*—
Woodberry, John H., Storm, Barker, Miles, Brayton, and Seavey.
- Miles, Frank D., West Kilbride, and H. Jackson, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Preparation of pure nitroguanidine. 2,392,860; Jan. 15.
- Miles, George H., assignor to Miles Aircraft Limited, Reading, England. Actuating aircraft control surfaces. 2,400,037; Mar. 7.
- Miles, George S., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Step-by-step follow-up and antihunt mechanism. 2,409,300; Oct. 15.
- Miles, James C., Cleveland, Ohio. Hot-air furnace. 2,408,087; Sept. 24.
- Miles Laboratories, Inc., assignee: *See*—
Beardsley, Charles S.
- Compton, Walter A., and Nicholls.
- Kamel, Jonas.
- Nicholls, Richard S.
- Miles, William S., Hastings on Hudson, and P. A. Voigt, Bellerose Manor, assignors to Johns-Manville Corporation, New York, N. Y. Tool. 2,402,426; June 18.
- Milhelzer, Joseph M., assignor to H. K. Porter Company, Inc., Pittsburgh, Pa. Engine housing for locomotives or the like. 2,407,506; Sept. 10.
- Milius Shoe Company, assignee: *See*—
Brady, James R., and Moskowitz.
- Milkoff, John, New York, N. Y. Combined carrying case and table. 2,406,237; Aug. 20.
- Miller, Norval P., Swampscott, Mass., assignor to General Electric Company. Power factor meter. 2,402,904; June 25.
- Miller, William N., Toronto, Ontario, Canada. Aircraft float. 2,396,189; Mar. 5.
- Miller, Dwight H., Norwalk, Calif. Rotary pump. 2,406,959; Sept. 3.
- Millard, Harold F., Crab Orchard, Nebr. Implement for disposing chinch bug barrier around planted fields. 2,393,395; Jan. 22.
- Millard, Robert K., Ingomar, Pa. Leveling bar for coke ovens or the like. 2,399,281; Apr. 30.
- Millelot, Paul W., Jr.: *See*—
Robinson, John E., and Millelot.
- Robinson, John E., and Millelot, Jr.
- Millener, William H., assignor to Woodall-Duckham & Sons Limited, Gillingham, England. Tubular heat exchange apparatus. 2,404,187; July 16.
- Miller, Albert F.: *See*—
Reifsnnyder, James D., and Miller.
- Miller, Albert J., assignee, et al.: *See*—
Bell, Arthur R.
- Miller, Albert R., Hialeah, Fla. Yieldable support for vibratory mechanisms. 2,411,383; Nov. 19.
- Miller, Albert W., Jamaica, N. Y. Detachable coupling. Re. 22,810; Nov. 5.
- Miller, Albert W., Jamaica, N. Y. "C" clamp. 2,408,801; Oct. 1.
- Miller, Alfred B.: *See*—
Place, Willard P., and Miller.
- Miller, Alfred B., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,398,588; Apr. 16.
- Miller, Alfred B., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Selective control and indication system. 2,400,257; May 14.
- Miller, Alfred B., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Selective control and indication system. 2,400,260; May 14.
- Miller, Andrew J., New Orleans, La. Hanger for books. 2,395,749; Feb. 26.
- Miller, Arthur W.: *See*—
McMahon, John H., and Miller.
- Miller, Bruce De H., assignor to The Girdler Corporation, Louisville, Ky. Mixing apparatus. 2,402,905; June 25.
- Miller, Carl E.: *See*—
Moore, George E., and Miller.

- Miller, Carroll E., and D. H. Parker, assignors to Cone Automatic Machine Company, Inc., Windsor, Vt. Cam cutting machine. 2,409,361; Oct. 15.
- Miller, Ceary D., Hampton, Va. High-speed camera. 2,400,885; May 28.
- Miller, Ceary D., Hampton, Va. Nonintermittent motion-picture projector. 2,400,886; May 28.
- Miller, Ceary D., Hampton, Va. High-speed motion-picture camera. 2,400,887; May 28.
- Miller, Charles E., Scotia, and R. J. Demartini, Schenectady, N. Y., assignors to General Electric Company. Material testing apparatus. 2,411,450; Nov. 19.
- Miller, Charles W., Scotia, and Miller.
- Dodds, John M., and Miller.
- Whalley, Harry, and Miller.
- Yuan, Luke Chia-Liu.
- Miller, Clifford E., St. Louis, Mo. Tap fixture. 2,398,661; Apr. 16.
- Miller Company, The, assignee: *See*—
- Naysmith, Shirley R.
- Miller, Daniel, Montebello, Calif. Miniature gasoline engine. 2,410,229; Oct. 29.
- Miller, David H., P. H. Knowles, and W. A. Hughes, Wilton, assignors to The Gilbert and Bennett Manufacturing Company, Georgetown, Conn. Molded friction element. 2,403,674; July 9.
- Miller, David J., Jr., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Variable gain amplifier. 2,412,279; Dec. 10.
- Miller, Dewey A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Separator tank. 2,393,498; Jan. 22.
- Miller, Donald B., assignor to Stromberg-Carlson Company, Rochester, N. Y. Telephone substation apparatus. 2,410,787; Nov. 5.
- Miller, Donald J., assignor to American Anode, Inc., Akron, Ohio. Nondeteriorating rubber insulated wire. 2,411,284; Nov. 5.
- Miller, Donald L.: *See*—
- Whitney, Maurice P., Buxton, and Miller.
- Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,397,033; Mar. 19.
- Miller, Edward F., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Wallet. 2,402,764; June 25.
- Miller, Edward G., and R. E. Engberg, assignors, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Self-locking bolt. 2,398,838; Apr. 23.
- Miller, Edward G., and R. E. Engberg, assignors, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Switch. 2,407,378; Sept. 10.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Method and machine for finishing the teeth of gear shaving cutters and the like. 2,405,159; Aug. 6.
- Miller, Edwin, Jeannette, Pa. Tire building apparatus. 2,406,093; Aug. 20.
- Miller, Edwin A., Fairfield, Conn. Multiple anchoring means. 2,393,923; Jan. 29.
- Miller, Edwin A., Fairfield, Conn. Push fastener. 2,409,508; Oct. 15.
- Miller Engineering Corporation, assignee: *See*—
- Miller, Raymond
- Miller, Ernest M., North Hollywood, assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Carbon for arc lights. 2,393,396; Jan. 22.
- Miller, Florence G., executrix: *See*—
- Miller, Frank E.: *See*—
- Down, Sidney G., and Miller.
- Miller, Frank P., deceased; and R. W. Thomas and F. G. Miller, executors, assignors to R. W. Thomas, Meadville, Pa. Inserted blade cutter. 2,395,287; Feb. 19.
- Miller, Frank P., deceased; R. W. Thomas and F. G. Miller, executors, assignors to R. W. Thomas, Meadville, Pa. Inserted blade cutter. 2,395,288; Feb. 19.
- Miller, Frank W., assignor to Franciscan Company, Chicago, Ill. Cleaning steam boilers. 2,404,516; July 23.
- Miller, Frederick R., Newark, N. J. Light screen. 2,398,799; Apr. 23.
- Miller, Frederick W., Jr.: *See*—
- Gribbins, Myers F., Miller, and O'Leary.
- Miller, George, assignor of one-half to J. B. Hudson, Philadelphia, and one-half to A. L. Kusner, Landsdowne, Pa. Race track device. 2,396,280; Mar. 12.
- Miller, George L., Graham, Tex. Food jar extractor tool for pressure cookers. 2,396,334; Mar. 12.
- Miller, Glen W., Glendale, E. L. Kells, Montrose, and D. H. Larsen, Los Angeles, Calif. Absorption refrigeration cycle. 2,403,802; Oct. 8.
- Miller, Gustavus H., Portland, Ore. Wood bleach and making same. 2,397,193; Mar. 26.
- Miller, Gustavus H., Portland, Ore. Synthetic resins and adhesives and making same. 2,397,194; Mar. 26.
- Miller, Harry: *See*—
- Eale, William, and Miller.
- Miller, Henry, assignor to W. C. Edge Company, Newark, N. J. Jewelry clasp. 2,397,284; Mar. 26.
- Miller, Henry C., assignor to Eli Lilly and Company, Indianapolis, Ind. Aqueous solution of riboflavin. 2,395,378; Feb. 19.
- Miller, Henry P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of chloroprene polymers. 2,395,493; Feb. 26.
- Miller, Herbert L., Miami, Okla. Flange spreader. 2,393,795; Jan. 29.
- Miller, Herbert W., Burbank, Calif. Water heater. 2,401,860; July 30.
- Miller, Irving B., assignor of one-half to S. Gross, and one-half to H. J. Blackman, Chicago, Ill. Hat size reducer. 2,406,700; Aug. 27.
- Miller, Irving B., assignor to H. J. Blackman, Chicago, Ill. Hat size reducer. 2,406,701; Aug. 27.
- Miller, James B., Webster Groves, assignor to Mines Equipment Company, St. Louis, Mo. Electrical connecting unit. 2,407,894; Sept. 17.
- Miller, James B., Webster Groves, and J. H. Simpson, Maplewood, assignors to Mines Equipment Company, St. Louis, Mo. Plug connector. 2,396,872; Mar. 15.
- Miller, James T., assignor to The Kayneer Company, Niles, Mich. Glass holding device. 2,411,691; Nov. 26.
- Miller, John: *See*—
- Collins, Ronald B., and Miller.
- Miller, John B., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Preparing zirconium oxide. 2,392,605; Jan. 8.
- Miller, John E., Chicago, Ill. Bottle carrier. 2,401,578; June 4.
- Miller, John G.: *See*—
- Lombitz, Joseph J., Martin, and Miller.
- Miller, John H., Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Exposure meter. 2,408,944; Oct. 8.
- Miller, John H., Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical testing apparatus. 2,410,386; Oct. 29.
- Miller, John W.: *See*—
- Jones, Don F., Miller, and Pigg.
- Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Burner. 2,392,757; Jan. 8.
- Miller, John W., London, N. W. 9, assignor to Goodmans Industries Limited, Wembley, Middlesex, England. Electrical coil-winding machine. 2,412,280; Dec. 10.
- Miller, Joseph: *See*—
- Newman, Edwin B., and Miller.
- Miller, Joseph E., Oak Park, and P. L. Osweller, La Grange, Ill., assignors, by mesne assignments, to Price Brothers Company, Dayton, Ohio. Prestressed steel pipe. 2,401,092; May 28.
- Miller, Joseph F. G., South Arlington, Va., and R. MacBrien, Washington, D. C. Insulating magnetic detecting device and supports therefor. 2,405,595; Aug. 18.
- Miller, Joseph M., Littleton, Colo., assignor to J. D. Cothran, Grass Lake, Mich. Knife and scissor sharpener. 2,406,094; Aug. 20.
- Miller, Joshua, Drexel Park, Pa., and B. L. Kauffman, Collingswood, N. J. Improvement in parachute harness. 2,408,068; Sept. 24.
- Miller, Kay, Auburn, Ind., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Two-way clutch. 2,406,238; Aug. 20.
- Miller, Kay, assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Two-way clutch. 2,407,319; Sept. 10.
- Miller, Kenneth G., Lansing, Mich. Carboy crate. 2,399,499; Apr. 30.
- Miller, Kenneth J., Binghamton, N. Y., assignor to Owens-Corning Fiberglass Corporation. Treatment of glass fibers. 2,403,872; July 9.
- Miller, Kent, Aiken, S. C. Horse eyeshield. 2,407,029; Sept. 3.
- Miller Laundry Machinery Company, assignee: *See*—
- Locke, Arthur A., and Terres.
- Miller, Leland N., Eugene, Ore. Differential convertible gasoline-Diesel engine. 2,405,596; Aug. 18.
- Miller, Lawrence F.: *See*—
- Hess, F. O., Miller, and Dietrich.
- Miller, Leonidas C., Los Angeles, Calif., assignor of one-half to Eastman Oil Well Survey Company, Dallas, Tex., and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif. Reading device. 2,395,674; Feb. 26.
- Miller, Leslie T., Stoneleigh, assignor to The Glenn L. Martin Company, Middle River, Md. Automatic dilution system. 2,408,265; Sept. 24.
- Miller, Leslie T., Stoneleigh, assignor to The Glenn L. Martin Company, Middle River, Md. Automatic dilution system control valve. 2,408,266; Sept. 24.
- Miller, Leslie W., assignor to The Morgan Crucible Company Limited, London, England. Variable electrical resistance. 2,406,503; Aug. 27.
- Miller, Leslie W., and S. D. Mahlstaedt, Waverly, Iowa. Apparatus for embedding an elongated flexible member in a moldable material. 2,408,149; Sept. 24.
- Miller, Lloyd L., et al., assignee: *See*—
- Gray, John de W., and Stone.
- Miller, Lloyd W., assignee: *See*—
- Cook, George W.
- Miller, Logan C., Ann Arbor, and G. E. Scarlett, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Constructing tubular fuselages. 2,409,782; Oct. 22.
- Miller, Loren B.: *See*—
- Fishback, Howard G., Miller, and Shivey.

- Miller, Louis G., and W. H. Statler, Bethlehem, Pa., assignors to Bethlehem Steel Company. Car brake. 2,411,974; Dec. 3.
- Miller, Louis L.; See—
- Miller, Louis, Frank W., Miller, and Robinson. Casket rack. 2,400,312; May 14.
- Miller, Martha W., assignor to Basic Vegetable Products Co., Vacaville, Calif. Dehydrating vegetables. 2,406,431; Aug. 27.
- Miller, Max, Washington, D. C. Connector for timbers or the like. 2,396,717; Mar. 19.
- Miller, Merton R., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cathode ray apparatus. 2,390,754; May 7.
- Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing. 2,403,109; July 2.
- Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Joining aluminum. 2,403,110; July 2.
- Miller, Mike A., New Kensington, and W. E. White, Plum Township, Allegheny County, assignors to Aluminum Company of America, Pittsburgh, Pa. Removing oxide coating from aluminum surfaces. 2,399,134; Apr. 23.
- Miller, Milo F., Kansas City, Mo. Intermittent switch. 2,407,571; Sept. 10.
- Miller, Ohmer R., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency measuring system. 2,405,597; Aug. 13.
- Miller, Ohmer R., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic counter. 2,407,320; Sept. 10.
- Miller, Pharis, Elizabeth, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Preparation of aviation gasoline from normally gaseous hydrocarbons. 2,398,908; Apr. 23.
- Miller, Pharis, Mountsideside, N. J., and E. Lieber, West New Brighton, N. Y., assignors to Standard Oil Development Company. Treating Diesel fuels. 2,402,427; June 18.
- Miller Pottery Engineering Company, assignee: See—
- Miller, William J.
- Miller, William J., and Reek.
- Miller Printing Machinery Co., assignee: See—
- Neuhart, Andrew.
- Saul, August A.
- Miller, Ralph; See—
- Hixson, Arthur W., and Miller.
- Miller, Ralph, Buffalo, N. Y. Liquid fuel injection apparatus. 2,401,579; June 4.
- Miller, Ralph, and R. L. Jansen, Buffalo, N. Y., assignors to Fordington Pump and Machinery Corporation. Harrison, N. J. Internal-combustion engine. 2,400,247; May 14.
- Miller, Ralph W., and O. W. Andrews, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Peeling potatoes. 2,399,282; Apr. 30.
- Miller, Raymond J., Detroit, Mich. Pattern having integral vent-forming members. 2,394,394; Feb. 5.
- Miller, Raymond J., Detroit, Mich. Multiple rheostat and potentiometer. 2,398,758; Apr. 16.
- Miller, Raymond J., assignor to Bendix Aviation Corporation, Detroit, Mich. Fluid transmission. 2,393,862; Jan. 29.
- Miller, Raymond J., assignor to American Pattern and Manufacturing Co., a copartnership, Detroit, Mich. Motion picture projector. 2,394,867; Feb. 12.
- Miller, Raymond J., assignor, by direct and mesne assignments, to Miller Engineering Corporation, Detroit, Mich. Forming multiple patterns. 2,399,373; Apr. 30.
- Miller, Richard A., Milford, Va. Rat trap. 2,410,990; Nov. 12.
- Miller, Richard D., special administrator: See—
- MacGregor, Wallace F.
- Miller, Richard G., Milwaukee, Oreg. Low inflation alarm for vehicle tires. 2,411,285; Nov. 19.
- Miller, Robert A., Tarentum, and C. Howard, Rochester, Pa., assignors to Pittsburgh Plate Glass Company. Folding door. 2,408,525; Oct. 1.
- Miller, Robert H., Brisbane, Calif. Glue clamping device. 2,407,436; Sept. 10.
- Miller, Robert J., and J. T. Rutherford, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Compounded lubricating oil. 2,412,903; Dec. 17.
- Miller, Robert L., and M. Bartz, Valparaiso, Ind., assignors to Chicago Wheel & Manufacturing Company, Chicago, Ill. Portable motor-driven tool. 2,411,584; Nov. 26.
- Miller, Robert N., Rosemont, and W. H. Grindall, Narberth, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Brush. 2,398,241; Apr. 9.
- Miller, Robert S., assignee: See—
- Nichols, Bertie.
- Miller, Russell F., U. S. Navy. Heating shield for all types airplane engines. 2,404,394; July 23.
- Miller, Samuel C., assignee: See—
- Leverte, Robert J.
- Miller, Stephen J., Danbury, Conn. Hat ironing machine. 2,399,932; May 7.
- Miller, Theodore, assignor to George Gorton Machine Co., Racine, Wis. Mechanism for guiding multiple tools. 2,405,663; Aug. 13.
- Miller, Tobias, Point Lookout, Long Island, N. Y. Hand grenade. 2,393,861; Jan. 29.
- Miller, Virgil L.; See—
- O'Neal, Owen L., and Miller.
- Miller, Wade E., assignor to Aircraft Tools, Inc., Los Angeles, Calif. Micrometer stop countersink. 2,409,377; Oct. 29.
- Miller, Ward E., and B. J. Porter, Albert Lea, Minn. Visual milk tester. 2,411,384; Nov. 19.
- Miller, Wayland R., Whitefish Bay, assignor to Perflex Corporation, Milwaukee, Wis. Control system. 2,402,177; June 13.
- Miller, William A., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Electronic switch. 2,402,917; June 25.
- Miller, William A., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Measuring system and triangular wave generator for use therein. 2,413,063; Dec. 24.
- Miller, William A., Port Jefferson, and E. R. Shenk, Brooklyn, N. Y., assignors to Radio Corporation of America. Frequency divider. 2,399,135; Apr. 23.
- Miller, William H., Jr., South Orange, N. J., assignor to Gallowher Chemical Corporation. Inflatable floating solar still with capillary feed. 2,412,466; Dec. 10.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for use in manufacturing pottery ware. 2,392,399; Jan. 8.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Pottery machine. 2,399,689; May 7.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Pottery slip-casting apparatus. 2,402,655; June 25.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for use in manufacturing potteryware. 2,402,656; June 25.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for producing pottery ware. 2,407,321; Sept. 10.
- Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for preparing clay for jiggering in the manufacture of potteryware. 2,408,803; Oct. 8.
- Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for manufacturing jiggered potteryware. 2,408,804; Oct. 8.
- Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for the manufacture of potteryware. 2,409,172; Oct. 8.
- Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Puddling machine. 2,409,221; Oct. 15.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for preparing mixtures of ceramic materials in the manufacture of potteryware. 2,413,330; Dec. 31.
- Miller, William J., assignor to Elliott Bay Mill Co., Seattle, Wash. Veneer clipper and control means thereof. 2,394,324; Feb. 5.
- Miller, William J., assignor to Elliott Bay Mill Co., Seattle, Wash. Resiliently supported shear block. 2,405,598; Aug. 13.
- Miller, William J., assignor to Elliott Bay Mill Co., Seattle, Wash. Resilient hold-down device. 2,408,330; Sept. 24.
- Miller, William J., assignor to The City Asphalt and Paving Company, Youngstown, Ohio. Spreader box. 2,403,820; July 9.
- Miller, William J., Pittsburgh, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for producing potteryware. 2,409,809; Oct. 29.
- Miller, William J., Frankstown Estates, Pa., and A. J. Reek, Jonesboro, Ind., assignors to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Method and apparatus for appendaging potteryware. Re. 22,823; Dec. 24.
- Miller, William J., and A. C. Johnson, assignors to Elliott Bay Mill Co., Seattle, Wash. Electric control means for veneer clippers. 2,394,558; Feb. 12.
- Miller, William J., Swissvale, and A. J. Reek, Carrick, assignors to Miller Pottery Engineering Company, Swissvale, Pa. Method and apparatus for appendaging potteryware. 2,410,123; Oct. 29.
- Miller Wrapping and Sealing Machine Company, assignee: See—
- Arvidson, Bengt A.
- Millermaster, Ralph A.; See—
- Meuer, George J., and Millermaster.
- Millihiser, Frederick R., Chesterfield County, Va., assignor to E. L. Font de Nemours & Company, Wilmington, Del. Method and apparatus for yarn processing. 2,395,136; Feb. 19.
- Milligan, Winfred O.; See—
- Weiser, Harry B., and Milligan.
- Millikan, Charles V., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Oil well testing device. 2,395,137; Feb. 19.

- Milliken, Humphreys, Mount Royal, Quebec, Canada. Circuit breaker. 2,396,742; Mar. 19.
- Milliken, Humphreys, Mount Royal, Quebec, Canada. Apparatus for converting heat energy into useful work. 2,404,895; July 23.
- Millikin, Arnold S.: *See*—
Bohmer, Clarence I., and Millikin.
- Millikin, Arnold S., assignor to The Jaeger Machine Company, Columbus, Ohio. Machine for lifting and stacking receptacles. 2,409,302; Oct. 15.
- Millington, John W.: *See*—
Bazzoni, Charles B., and Millington.
- Millington, John W., Beaumont, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Electrical prospecting method and apparatus. 2,398,800; Apr. 23.
- Millins, Terence W., Willesden Junction, assignor to Rotax Limited, London, England. Power transmission mechanism. 2,411,101; Nov. 12.
- Millman, Herman, New York, N. Y. Developing rack. 2,402,765; June 25.
- Millins, Terence W., Willesden Junction, London, assignor to Rotax Limited, London, England. Nut and screw mechanism. 2,393,924; Jan. 29.
- Millott, Arthur T., and E. C. Graham, assignors to Conditioned Air Equipment Co., Minneapolis, Minn. Refrigerator. 2,408,805; Oct. 8.
- Mills, Albert W., and F. J. Furman, Endicott, and E. J. Rabenda, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Accounting mechanism. 2,390,753; May 7.
- Mills, Albert W., and F. J. Furman, Endicott, and E. J. Rabenda, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Addressing machine. 2,412,527; Dec. 10.
- Mills, Bert E., St. Charles, assignor to Mills Industries, Incorporated, Chicago, Ill. Quiz machine. 2,401,434; June 4.
- Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Film cleaning device. 2,408,438; Oct. 1.
- Mills, Earl S., Eugene, Oreg. Denture packing. 2,410,453; Nov. 5.
- Mills Engineering Company, assignee: *See*—
Mills, Herbert E.
- Mills, Erwin S., Cleveland Heights, and E. A. Lindsay, Willoughby, Ohio, assignors to General Electric Company. Tubular lamp and holder therefor. 2,412,826; Dec. 17.
- Mills, Gillis A., Pikesville, Md. Game. 2,409,144; Oct. 8.
- Mills, Harry C., Rye, N. Y. Loop transferring device. 2,411,452; Nov. 19.
- Mills, Herbert E., Cleveland, Tenn. Gas burner construction. 2,396,800; Mar. 19.
- Mills, Herbert E., assignor, by mesne assignments, to Mills Engineering Company, Detroit, Mich. Air-conditioned electric cooking oven. 2,408,531; Sept. 24.
- Mills Industries, Incorporated, assignee: *See*—
Mills, Bert E.
- Mills, Mark M.: *See*—
Malina, Frank J., and Mills.
- Mills Novelty Company, assignee: *See*—
Mills, Bert E.
- Minarik, Anthony, Jr.
- Mills Scaffold Company Limited, assignee: *See*—
Macbeth, Allan.
- Mills, William L., Waco, Tex. Razor. 2,407,030; Sept. 3.
- Milner, Duncan C.: *See*—
Bosomworth, George P., and Milner.
- Milner, Floyd W.: *See*—
Clymer, Alvin L.
- Milner, Harry L., Cheltenham, England, assignor to Rotol Limited. Aerodynamic balancing of airscrews or like rotating bodies. 2,400,942; May 28.
- Milner, Harry L., Cheltenham, England, assignor to Rotol Limited. Gauges for airfoils. 2,402,567; June 25.
- Milner, Leopold, assignee: *See*—
Katsak, Leo.
- Milone, Samuel, and C. W. Rothfeld, Philadelphia, Pa. Rivet. 2,405,897; Aug. 13.
- Milone, Samuel, and C. W. Rothfeld, Philadelphia, Pa. Setting rivets. 2,405,898; Aug. 13.
- Milos, Louis W., Clifton, N. J. Oil burner. 2,394,629; Feb. 12.
- Milwaukee Electric Tool Corporation, assignee: *See*—
Beckwith, Wendell K.
- Milwaukee Gas Specialty Company, assignee: *See*—
Mantz, Harold A.
Wasson, Loerwood C.
- Mims, Harvey N.: *See*—
Bannon, John H., and Mims.
- Minkner, Herbert L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Vacuumizing and gassing filled containers. 2,412,167; Dec. 8.
- Minarik, Anthony, Jr., and S. H. R. Ericson, assignors to Mills Novelty Company, Chicago, Ill. Apparatus for applying rotating bands to projectile shells. 2,400,392; Aug. 27.
- Mine Safety Appliances Company, The, assignee: *See*—
Dauster, John F.
Feigley, David A., Jr.
Jackson, Carey B.
Jackson, Carey B., Schneider, and Yant.
Jacobson, Moses G., and Hartline.
Murphy, Cornelius J., and Yant.
Venable, Emerson.
Yant, William P.
- Yant, William P., Jacobson, and Strange.
- Miner, Alexander S., New York, N. Y. Producing whipl. 2,412,629; Dec. 17.
- Miner, Alice T., trustee, assignee, et al.: *See*—
Geiger, William A.
- Miner, George A., Manchester, N. H., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tack pulling machine. 2,400,159; May 14.
- Miner, Robert V.: *See*—
Malcolmson, William J., and Miner.
- Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Dath, George E., and Olander.
Dath, George W.
Haseltine, Stacy B.
Johnson, George A., and Haseltine.
Lehman, Edward H.
Lehman, Edward H., and Dath.
Lounsbery, Harvey J.
Marquardt, Leonard A.
Olander, Roland J.
- Miner, Walter A., Jr.: *See*—
Leibe, Frank A.
- Miner, William H., Foundation, The, assignee: *See*—
Geiger, William A.
- Minerals Separation North American Corporation, assignee: *See*—
Cole, A. T., Dnke, and McMurray.
Schilling, Karl P.
- Mines Equipment Company, assignee: *See*—
Miller, James B.
Miller, James B., and Simpson.
- Minger, Forest R.: *See*—
Heath, Sheldon B., and Minger.
- Miniature Precision Bearings, assignee: *See*—
Pierce, Winslow S., Jr.
- Mininberg, Nathan D., New York, N. Y. Therapeutic oscillation applicator. 2,412,093; Dec. 3.
- Mining Process and Patent Company, assignee: *See*—
Daman, Arthur C.
Daman, Arthur C., and Logue.
Finney, John H. V.
Logue, Leland H.
- Mining Safety Device Company, The, assignee: *See*—
Merritt, Glenn W.
- Minkler, Chester T., Newport, R. I. Torpedo exploding mechanism. 2,397,678; Apr. 2.
- Minkler, Chester T., Newport, R. I. Magnetically controlled torped firing mechanism. 2,398,801; Apr. 23.
- Minkler, Everett and F. E., Los Angeles, Calif. Apparatus for sawing stone. 2,411,585; Nov. 26.
- Minkler, Floyd E.: *See*—
Minkler, Everett and F. E.
- Minneapolis-Honeywell Regulator Company, assignee: *See*—
Baak, Albert E.
Beam, Vlynn O., Cyr, and Wilson.
Borell, George L.
Edelman, Walter E.
Gille, Willis H.
Guthrie, Robert G., and Chumasero.
Hartig, Henry E.
Hermanson, Henning S.
Holmes, Gifford I.
Isserstedt, Siegfried G.
Joesting, Frederick D.
Kroumlier, Carl G.
Malek, Sidney K.
McGrath, William L.
Newton, Alvin B.
Olson, Kenneth W.
Peterson, Du Wayne J.
Shivers, Paul F.
Sparrow, Hubert T.
Sparrow, Hubert T., Taylor, and Witts.
Taylor, Daniel G.
Wilson, John M.
- Minneapolis-Moline Paper Implement Company, assignee: *See*—
Wuertz, Paul P., and E. J.
- Minnesota Mining & Manufacturing Company, assignee: *See*—
Anderson, Arthur A.
Brinker, Howard C., and Gehrenbeck.
Davis, Edward P.
Drew, Richard G.
Gulden, Kenneth C.
Kellgren, Waldo.
Kellgren, Waldo, and Hurd.
Lessin, Maurice E.
Lundquist, William E., and Kellgren.

- Minnesota Mining & Manufacturing Company, assignee: See—Continued.
- Merrill, Grant S.
- Palmquist, Philip V., Cross, and Netherly.
- Smith, Fred A.
- Stephens, Henry N.
- Stephens, Henry N., Gehrenbeck, and Guthrie.
- Wartha, Alfred J.
- Minnesota and Ontario Paper Company, assignee: See—Barrett, William.
- Barrett, William H., and Asdell.
- Minnick, Charles H., and E. Shive, Dallas, Tex. Abrading and polishing tool. 2,402,069; June 11.
- Minshall, Robert J., F. P. Laudan, and E. G. Emery, Jr., Seattle, Wash., assignors, by mesne assignments, to the United States of America, as represented by the Secretary of War. Bomb release. 2,405,752; Aug. 13.
- Minsk, Louis M. See—
- Kenyon, William O., Murray, and Minsk.
- Mintken, John F., Dalton, Nebr. Rotary rod weeder. 2,398,385; Apr. 16.
- Minton, Gerald Z., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass supporting skeleton mold. 2,408,256; Oct. 1.
- Minton, John P., and R. A. Broding, Dallas, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Method and apparatus for recording seismic waves. 2,392,733; Jan. 8.
- Minyard, Ira T. Odessa, Tex. Paraffin scraper. 2,397,679; Apr. 2.
- Mirel, Arthur G., assignor to Structural Plane-parts, Inc., New York, N. Y. Metalworking machine. 2,410,298; Oct. 29.
- Misc, John J., Chicago, Ill. Piston construction. 2,396,018; Mar. 5.
- Misfeldt, Charles C., Glendale, Calif. Alloy. 2,400,566; May 21.
- Mishawaka Rubber & Woolen Manufacturing Company, assignee: See—
- Blair, George W., Schott, and Faulk.
- Cunningham, Marion M.
- Tabel, John E., Jr., and Keene.
- Miskel, John J., Brooklyn, N. Y., assignor to National Oil Products Company, Harrison, N. J. Anticorrosion composition. 2,403,293; July 2.
- Mission, Edward J. See—
- Weyandt, Carl S., and Mission.
- Mission Manufacturing Company, assignee: See—
- Young, Henry B.
- Misteli, René, New York, N. Y. Notice impelling device. 2,405,520; Aug. 6.
- Mital, John E. See—
- Zuidema, Hilbert H., and Mital.
- Mitchell, Alexander B., Dedham, Mass. Snap fastener. 2,397,801; Apr. 2.
- Mitchell, Aloysius: See—
- Osborne, Sidney G., and Mitchell.
- Mitchell, Donald H., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,394,630; Feb. 12.
- Mitchell, Donald H., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tilting apparatus. 2,398,715; Apr. 16.
- Mitchell, Donald H., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Control system for wave-signal receivers. 2,409,053; Oct. 8.
- Mitchell, Doren, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for the transmission of motion. 2,395,575; Feb. 26.
- Mitchell, Doren, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Privacy system. 2,405,599; Aug. 13.
- Mitchell, Douglas W., Ottawa, Ontario, Canada, assignor to Electronic Laboratories, Inc. Aerial mounting. 2,397,151; Mar. 24.
- Mitchell, Frederick C., Wilmington, Del., J. C. Lawrence, Moylan, Pa., and J. L. Stecher, Wilmington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for making alkyl lead compounds. 2,241,453; Nov. 19.
- Mitchell, George A., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Power unit for traveling cranes. 2,406,889; Sept. 3.
- Mitchell, Hubert L., Houston, Tex. Navigational computing instrument. 2,408,571; Oct. 1.
- Mitchell, Irvin R., assignor to A. Leschen & Sons Rope Company, St. Louis, Mo. Forming loops. 2,413,642; Dec. 31.
- Mitchell, James A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pressure sensitive products. 2,395,419; Feb. 26.
- Mitchell, John E. M., Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findlay, Ohio. Bushing insulator. 2,408,990; Oct. 8.
- Mitchell, John W., and A. Herron, Irvine, Calif. Merchandise loader. 2,411,286; Nov. 19.
- Mitchell, Louis J., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Bolt ejector for thread rollers. 2,411,932; Dec. 3.
- Mitchell, Luther L., Anniston, Ala. Basket. 2,407,507; Sept. 10.
- Mitchell, Melville J., Highland Park, Ill., assignor to International Harvester Company. Tractor-mounted corn picker. 2,398,023; Apr. 9.
- Mitchell, Paul J., Jr.: See—
- Smith, Joseph E., and Mitchell.
- Mitchell, Roscoe A., Evansville, Ind. Bottle cap or jar cover remover. 2,407,793; Sept. 17.
- Mitchell, Thomas A., Torrance, Calif., assignor, by mesne assignments, to Molybdenum Corporation of America, New York, N. Y. Making manganese. 2,398,589; Apr. 16.
- Mitchell, Thomas A., Torrance, Calif., assignor, by mesne assignments, to Molybdenum Corporation of America, New York, N. Y. Electrolytic cell. 2,398,590; Apr. 16.
- Mitchell, Thomas A., Torrance, Calif., assignor, by mesne assignments, to Molybdenum Corporation of America, New York, N. Y. Making chromium and its alloys. 2,398,591; Apr. 16.
- Mitchell, Wallace F., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Cylinder grinding tool. 2,400,430; May 14.
- Mitchell, Wallace F., Chicago, assignor to Automotive Maintenance Machinery Co., North Chicago, Ill. Boring machine. 2,401,838; June 17.
- Mitchell, Wallace F., Chicago, assignor to Automotive Maintenance Machinery Co., North Chicago, Ill. Boring machine. 2,413,574; Dec. 31.
- Mitchell, Walter G., Aurora, assignor to Sears, Roebuck and Co., Chicago, Ill. Pinking shears. 2,395,596; Mar. 5.
- Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Centrifugal governor for tools. 2,402,972; July 2.
- Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Tool for installing tubular rivets. 2,403,673; July 9.
- Mitchella, Clyde B.: See—
- Nielsen, James S., and Mitchella.
- Mittelmann, Eugen, Chicago, Ill. Apparatus for drying materials. 2,397,615; Apr. 2.
- Mitten, John T., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Vehicle undercarriage. 2,402,428; June 18.
- Mittermaier, Armin F., Fort Wayne, Ind., assignor to General Electric Company. Spark plug construction. 2,400,364; Mar. 14.
- Mizell, George P., Washington, D. C. Valve grinder. 2,400,160; May 14.
- Mizrach, Isador, Brooklyn, assignor to Pritt Novelty Co., Inc., New York, N. Y. Machine for assembling bar pins. 2,401,652; June 4.
- Mobile Refrigeration, Inc., assignee: See—
- Lodwig, Erwin.
- Mobius, Curt E.: See—
- Kline, Bernard L., and Mobius.
- Mobley, James C., and B. C. Skinner, Dunedin, Fla., said Mobley assignor to said Skinner. Feeding apparatus. 2,393,334; Jan. 22.
- Mobley, William B., Miami, Fla. Process and apparatus for reclaiming grease. 2,405,705; Aug. 13.
- Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,411,287; Nov. 19.
- Mock, Frank C., and E. J. Partington, assignors to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,404,081; July 16.
- Mockridge, Chester R., Nutley, and R. W. Allerton, Short Hills, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Multiple orifice throttling device. 2,400,161; May 14.
- Modesto Manufacturing Co. assignee: See—
- Toti, Andrew J., and Snowden.
- Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator tube construction. 2,396,522; Mar. 12.
- Modine Manufacturing Company, assignee: See—
- Modine, Arthur B.
- Perkins, Charles T.
- Spiehl, Benjamin.
- Modinski, Michael, Chicago, Ill. Heat and cold applicator. 2,403,676; July 9.
- Moe, Robert E., Bridgeport, Conn., assignor to General Electric Company. Saw-tooth wave generator. 2,412,064; Dec. 3.
- Moe, William W., Stratford, Conn., assignor to General Electric Company. Signal responsive control system. 2,405,843; Aug. 13.
- Moerker, Henry, Jr., W. H. Frick, E. W. Meacham, and H. K. White, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Range. 2,402,429; June 18.
- Moeller, William C., Kansas City, Mo. Pocket dispenser. 2,408,150; Sept. 24.
- Moen, Alfred M., Seattle, Wash. Compass. 2,393,698; Jan. 29.
- Moen, Edwin, New London, Conn. Self-addressing envelope. 2,405,511; Aug. 6.
- Moessinger, Albert, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Device for tensioning moving cords or strips. 2,398,547; Apr. 16.

- Moessinger, Albert, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Device for forming selvages on woven fabrics. 2,399,880; May 7.
- Moessinger, Albert, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Weft inserting device. 2,399,881; May 7.
- Moffatt, Isabelle B., administratrix: *See*—
- Beregh, Theodore J.
- Moffitt, William E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,398,839; Apr. 23.
- Mog, Frank G.: *See*—
- Fenner, James M., and Mog.
- Mohaupt, Henry H., Jr., and Mohaupt.
- Mohaupt, Henry H., Jr., and Mohaupt. D. C., assignor to Société Anonyme de Gestion et d'Exploitation de Brevets, Switzerland. Method and apparatus for cutting or punching sheet material. 2,407,093; Sept. 3.
- Mohawk Carpet Mills, Inc., assignee: *See*—
- Hamilton, Kenneth.
- Mohler, Jacob G., Mohnnton, Pa. Sod cutter. 2,401,653; June 4.
- Mohling, Gunther, Loudonville, N. Y., assignor to Allegheny Ludlum Steel Corporation. Heat resisting alloys containing cobalt. 2,397,034; Mar. 19.
- Mohling, Gunther, Loudonville, N. Y., assignor to Allegheny Ludlum Steel Corporation. Increasing the high temperature strength of heat-resisting alloys. 2,401,580; June 4.
- Mohn, Howard C., Hosierey Co. Inc., assignee, et al.: *See*—
- Killian, Ezekiel.
- Mohs, David F., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,400,768; May 21.
- Mohr, Albert Jr., assignee, et al.: *See*—
- Wetherbee, Harry L.
- Mohr, Albert Jr., and J. P. Grilli, Chicago, Ill. Bell for blast furnaces. 2,398,386; Apr. 16.
- Mohr, Albert Jr., and J. P. Grilli, Chicago, Ill. Blast furnace charging system. 2,398,945; Oct. 8.
- Mohr, Albert C., Arcadia, Calif., assignor, by mesne assignments, to Chemical Construction Corporation, New York, N. Y. Production of sulphur dioxide. 2,406,890; Sept. 3.
- Mohr, John C., Irvington, N. J. Pressing device. 2,385,898; Mar. 5.
- Mohr, Milton E.: *See*—
- Meacham, Larned A., Mohr, and Parker.
- Mohreau, René J. L., Paris, France. Reversible fluid-operated and fluid-operating mechanism. 2,409,688; Oct. 22.
- Molat, Joseph H.: *See*—
- Riker, Robert T., and Molat.
- Molat, Joseph H., New York, N. Y. Anchoring device. 2,403,541; July 9.
- Molchan, Stephen, Jersey City, N. J. Curling rod. 2,404,517; July 23.
- Molded Latex Products, Inc., assignee: *See*—
- Hagen, John A., Gregor, and Prendergast.
- Mole-Richardson Co., assignee: *See*—
- Richardson, Elmer C.
- Moles, Frank J., Schenectady, N. Y., assignor to General Electric Company. Power cable for high-frequency oscillators. 2,409,640; Oct. 22.
- Molinari, Vittorio, North Plainfield, N. J., assignor to Bakelite Corporation. Treatment of petroleum tar acids fractions. 2,393,699; Jan. 29.
- Molinari, Vittorio, North Plainfield, N. J., assignor to Bakelite Corporation. Treatment of crude tar acids fractions. 2,393,700; Jan. 29.
- Mollins, Desmond W., and F. F. Ruau, Deptford, assignors to Molins Machine Company Limited, London, England. Ammunition hopper for use on automatic guns. 2,401,654; June 4.
- Molins Machine Company Limited, assignee: *See*—
- Harvey, Valentine P., and Mason.
- Jackson, Donald R. P.
- Mollins, Desmond W., and Ruau.
- Parry, Frank.
- Ruau, Félix F.
- Moll, Oswin C., Manhasset, N. Y. Conduit connector. 2,399,933; May 7.
- Mollenhour, Delbert C., Mentone, Ind., assignor to F. I. Saemann, New York, N. Y. Artificial arm and hand. 2,409,884; Oct. 22.
- Möller, Fredrik A., Haren, near Groningen, Netherlands; vested in the Alien Property Custodian. Nutrient materials. 2,396,592; Mar. 12.
- Moller, Kasper F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drilling. 2,396,335; Mar. 12.
- Molnar, Eugene J.: *See*—
- Joy, Homer van B.
- Molnar, Eugene J., Toledo, Ohio. Sulphide impression material. 2,397,144; Mar. 26.
- Molybdenum Corporation of America, assignee: *See*—
- Mitchell, Thomas A.
- Monaco, George C., Douglass Hills, N. Y. Article handling apparatus. 2,404,882; July 30.
- Monaghan, Henry W., assignor to Higgins Industries, Inc., New Orleans, La. Muffler for marine power plants. 2,404,589; July 23.
- Monahan, John C., assignor to Gar Wood Industries, Inc., Detroit, Mich. Dump truck hydraulic control. 2,401,498; June 4.
- Monath, Paul, Hewlett, N. Y. Self-stirring cooking utensil. 2,396,924; Mar. 18.
- Money, Roland H., Mount Healthy, and J. W. Craig, Cincinnati, Ohio, assignors to The Crosley Corporation. Refrigerating apparatus. 2,412,904; Dec. 17.
- Monfils, Napoleon A.: *See*—
- Quinn, Edward, and Monfils.
- Monger, James F., Chicago, Ill. Car construction. 2,392,759; Jan. 8.
- Monier, Jean B., Galt, Ontario, Canada. Thermoplastic lacquer and preparing same. 2,411,665; Nov. 26.
- Monier, Jean B., Galt, Ontario, Canada. Molding composition and the article produced thereby. 2,411,666; Nov. 26.
- Monitor Controller Company, The, assignee: *See*—
- Freese, Joseph F.
- Monmouth Products Company, assignee: *See*—
- Kuenhold, Otto J., Sr.
- Monnet, Georges, Washington, D. C. Safety razor. 2,394,001; Feb. 5.
- Monnet, Georges, New York, N. Y. Grape processing machine. 2,398,440; Apr. 16.
- Monori, Emil, and C. B. Myhre, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ground detector. 2,409,885; Oct. 22.
- Monowatt Electric Corporation, assignee: *See*—
- Benander, George B.
- Whisler, Ralph H., Jr.
- Monroe Auto Equipment Company, assignee: *See*—
- Whisler, Ralph H., Jr.
- Monroe Calculating Machine Company, assignee: *See*—
- Chase, George C.
- Crosman, Lorling P.
- Schaper, Leonard W.
- Monroe, Charles Z., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Flame defoamer. 2,398,189; Apr. 9.
- Monroe, Charles Z., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Container fabricating machine. 2,399,934; May 7.
- Monroe, Charles Z., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Mechanism for partially closing containers. 2,410,587; Nov. 5.
- Monroe, Ezra: *See*—
- Britton, Edgar C., and Monroe.
- Monroe, George S.: *See*—
- Ignatieff, Vladimir N., and Monroe.
- Monsanto Chemical Company, assignee: *See*—
- Aelony, David.
- Billings, Howard J.
- Blake, Edward S.
- Carswell, Thomas S.
- Craver, John K.
- Debacher, Max O.
- Deebel, George F.
- Durgin, Charles B.
- Durland, John R.
- Emerson, William S.
- Filachione, Edward M.
- Foster, Scott H.
- Gluesenkamp, Earl W.
- Hardy, Edgar E., and Kosolapoff.
- Healy, John J., Jr., Taylor, and Abblati.
- Hetzl, Eugene N., and Taylor.
- Heyd, Josef W.
- Hochwalt, Carroll A.
- Hubbard, Findley E., and McCullough.
- Kosmin, Milton.
- Kosolapoff, Gennady M.
- Krase, Herbert J.
- Kyrides, Lucas P.
- Kyrides, Lucas P., and Zienty.
- Laus, Andre N.
- Lewis, William F.
- Luce, Stewart B.
- McCullough, Campbell R., and Gehrke.
- Mowry, David T.
- Murdock, Frederick M.
- Nason, Howard K.
- Rosenquist, Edward N., and Sudhoff.
- Scott, Milton J.
- Seymour, Raymond B.
- Thomas, Charles A.
- Thomas, Charles A., and Kosolapoff.
- Weyl, Woldemar, and Kreidl.
- Weyl, Woldemar A.
- Whitehead, George W.
- Wilson, William S., and Dole.
- Monsarrat, Nicholas, Seekonk, Mass., assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Adjustable tension recoil means for garment pressing machines. 2,398,909; Apr. 23.
- Monson, Louis T., Alhambra, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Reducing or preventing foam. 2,408,627; Oct. 1.
- Monson, Louis T., Alhambra, and O. C. Shepard, Palo Alto, Calif., assignors to Petrolite Corporation. Separating minerals by flotation. 2,395,639; Feb. 26.

- Monson, Louis T., Alhambra, W. W. Anderson, Montebello, and F. W. Jenkins, Los Angeles, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Resolving oil-in-water emulsions. 2,407,895; Sept. 17.
- Montague, Harry, assignee, et al.: *See*—
Trilling, David M., and Rich.
- Montague, Homer R., Washington, D. C. Transcribing device. 2,408,335; Nov. 12.
- Montalbano, Anthony, Baton Rouge, La. Adjustable mounting and propulsion means. 2,399,500; Apr. 30.
- Montalvo, Leonilo, New York, N. Y. Magnetic means for keeping umbrellas closed. 2,405,044; July 30.
- Montalma, Incorporated, assignee: *See*—
Roth, Joseph N.
- Montclair Research Corporation, assignee: *See*—
Joy, Homer van B.
- MacKenzie, Charles A., and Spialter, Rust, John B.
- Rust, John B., and Hessel.
- Rust, John B., and Van Delden.
- Montclair Research Corporation, assignee, et al.: *See*—
Rust, John B., and MacKenzie.
- Montgomery Brothers, assignee: *See*—
Conant, Alan B.
- Montgomery, Charles W.: *See*—
Berg, Lloyd, Sumner, and Montgomery.
- Montgomery, Charles W., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Isomerization of normal butane to isobutane. 2,410,894; Nov. 12.
- Montgomery, Duncan B.: *See*—
Harcourt, Guy N., and Montgomery.
- Montgomery, George C., and R. W. McOmie, Wilmington, assignors to Shell Development Company, San Francisco, Calif. Production of catalytically cracked gasoline. 2,400,431; May 14.
- Montgomery, James V., Brownwood, Tex., L. B. Goodson, Fort Schuyler, N. Y., and R. W. Henry, Bartlesville, Okla., assignors to Phillips Petroleum Company. Refining mineral oils. 2,409,059; Oct. 8.
- Montgomery, Robert, and G. W. Schane, assignors to The Budd Company, Philadelphia, Pa. Structure for supporting fuel tank in aircraft wings. 2,407,614; Sept. 10.
- Montgomery, Terry L., Wauwatosa, and C. O. Wellhaefer, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 2,397,152; Mar. 26.
- Montgomery Ward & Co., Inc., assignee: *See*—
Muerle, Richard W.
- Montgomery, William J., Warren, Ohio. Method and apparatus for cleaning furnace checkers and flues. 2,409,442; Oct. 15.
- Moo, Gothard T., Cranston, assignor to Wenskenon Corporation, Providence, R. I. Controllable clutch. 2,402,829; June 25.
- Moody, George D., Portland, Oreg. Laminated beam for hay stackers. 2,392,760; Jan. 8.
- Moody, John L.: *See*—
Friden, Carl M., and Moody.
- Moore, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine. 2,403,111; July 2.
- Mook, Glenn C., and R. W. Ricker, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Heat absorbing glass. 2,397,195; Mar. 26.
- Moon, Cecil F., Criklewood, London, and N. Collinson-Jones, Hatch End, England. Fire resisting coating and impregnating compositions. 2,407,615; Sept. 10.
- Moon, Ernest F., Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Honing machine. 2,408,556; Aug. 27.
- Mooney, Melvin, Lake Hiawatha, and E. M. Grabbe, Nutley, N. J., and G. G. Havens, San Diego, Calif., assignors to United States Rubber Company, New York, N. Y. Making rubber articles. 2,402,430; June 18.
- Moore, Herman L., Olive Township, St. Joseph County, Ind. Pipe forming machine. 2,406,025; Aug. 20.
- Moore, Bart, Jr., assignee: *See*—
Turner, William L.
- Moore Business Forms, Inc., assignee: *See*—
Gilbert, Joseph A.
- Kerr, James G. and Scott, Seeley, Harry E.
- Moore, Byron P., Clayton, N. Mex. Protector or canopy. 2,398,441; Apr. 16.
- Moore, Charles O.: *See*—
Schmidt, Eugene.
- Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Pneumatic comparator gauges. 2,410,671; Nov. 5.
- Moore Company, The, assignee: *See*—
Elder, Charles J.
- Moore, David P., West Hills, N. Y., assignor to Premium Merchandising Corporation, Fountain pen. 2,398,548; Apr. 16.
- Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Transmitter for telemetering system. 2,402,973; July 2.
- Moore, Derwin V.: *See*—
Thompson, Harry H., and Moore.
- Moore, Dewey R., Holdenville, Okla. Weight indicator. 2,393,053; Jan. 15.
- Moore, Dewey R., Holdenville, Okla. Rotary drilling mud separator. 2,396,336; Mar. 12.
- Moore, Edgar D.: *See*—
McIntosh, Thomas J.
- Moore Equipment Company, assignee: *See*—
Allison, Lloyd G.
- Moore Filter Company Limited, The, assignee: *See*—
Moore, Richard P.
- Moore, Frank J., Beacon, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbons. 2,402,830; June 25.
- Moore, Frank L., Fushing, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn. Electric recorder-reproducer unit. 2,410,607; Nov. 5.
- Moore, George A., Jr., executor, et al.: *See*—
Moore, George A.
- Moore, George A., Medford, Mass., G. A., Jr., H., and L. Moore, executors of said G. A. Moore, deceased. Set-screw. 2,408,267; Sept. 24.
- Moore, George E., Muskegon Heights, and C. E. Miller, North Muskegon, Mich., assignors to Manning, Maxwell & Moore, Inc., Bridgeport, Conn. Grip lifter. 2,413,366; Dec. 31.
- Moore, George L., Chicago, Ill. Bottle and closure therefor. 2,396,337; Mar. 12.
- Moore, George V., Compton, Calif. Pin welding gun. 2,401,815; June 4.
- Moore, Harold A., Riverhead, N. Y., assignor to Radio Corporation of America. Lightweight masts. 2,409,060; Oct. 8.
- Moore, Harold E., Columbus, Ohio. Ice cream mix and the production thereof. 2,398,950; Apr. 23.
- Moore, Harold G.: *See*—
Adams, George M., and Moore.
- Moore, Harrington, executor, et al.: *See*—
Moore, George A.
- Moore, Harry N., assignor to Endicott Johnson Corporation, Endicott, N. Y. Leather rolling machine. 2,399,819; May 7.
- Moore, Horace T.: *See*—
Brown, Dayton T., Yujucio, and Moore.
- Moore, John R., Schenectady, N. Y., assignor to General Electric Company. Gyroscopic device. 2,406,845; Sept. 3.
- Moore, Lawrence, executor, et al.: *See*—
Moore, George A.
- Moore, Maurice L., Detroit, Mich., assignor to Sharp & Rohme, Incorporated, Philadelphia, Pa. Sulphanilysulphanilamide derivatives. 2,404,737; July 23.
- Moore, Norman Y.: *See*—
Griffin, Roger L., and Moore.
- Moore Products Co., assignee: *See*—
Moore, Coleman B.
- Moore, Ralph S., Visalia, Calif. Toy helicopter. 2,400,704; May 21.
- Moore, Richard P., Roodekop, near Germiston, Transvaal, assignor to The Moore Filter Company Limited, Johannesburg, Transvaal, Union of South Africa. Maintaining constant differential pressure across valves. 2,396,962; Mar. 19.
- Moore, Robert C.: *See*—
Bingley, Frank J., and Moore.
- Moore, Robert P., Chapel Hill, N. C. Extension table slide. 2,399,283; Apr. 30.
- Moore, Sidney A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Multiple wire electric fence. 2,398,442; Apr. 16.
- Moore, Stanley S., Stockton, Calif. Stabilizer. 2,399,284; Apr. 30.
- Moore, Thomas, Chicago, Ill. Decorative lighting set. 2,402,766; June 25.
- Moore, Thomas W.: *See*—
Fordham, Thomas B., and Moore.
- Moore, Thomas W., assignor to The Leland Electric Company, Dayton, Ohio. Regulating mechanism. 2,396,594; Mar. 12.
- Moore, Thomas W., assignor to The Leland Electric Company, Dayton, Ohio. Insulation remover. 2,396,594; Mar. 12.
- Moore, Thomas W., assignor to The Leland Electric Company, Dayton, Ohio. Regulating mechanism. 2,396,595; Mar. 12.
- Moore, Thomas W., assignor to The Leland Electric Company, Dayton, Ohio. Regulating mechanism. 2,396,596; Mar. 12.
- Moore, Warren Lee, Danville, Ky. Vehicle wheel. 2,398,931; Apr. 23.
- Moore, Wiley T.: *See*—
Patch, Earl S., and Moore.
- Moore, Wiley T., U. S. Army, Laverne, Okla., J. H. Church, Austin, Minn., and W. E. Thibodeau, Cleveland, Ohio. Fuse. 2,400,123; May 14.
- Moore, Willard, assignee: *See*—
Allison, Lloyd G.
- Moore, William D.: *See*—
Rouse, John W., and Moore.
- Moore, William E., Pittsburgh, Pa., assignor to Delaware Engineering Corporation. Furnace tilting device. 2,402,505; June 18.
- Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Electric arc furnace. 2,412,000; Dec. 3.

- Moore, Willis F., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Gauge. 2,396,383; Mar. 12.
- Moorhead, John O., assignor to Metals and Controls Corporation, Attleboro, Mass. Gas burner system. 2,408,673; Oct. 1.
- Moorman, Arthur W., *See—*
- Dickinson, John T., and Moorman.
- Mooss, John, Alhambra, Calif. Egg opening device. 2,394,250; Feb. 5.
- Morabito, Joseph A., Chelsea, Mass. Cloth guide for sewing machines. 2,411,102; Nov. 12.
- Morack, Marvin M., Scott, N. Y., assignor to General Electric Company. Electric valve system. 2,411,742; Nov. 26.
- Moraine Box Company, assignee: *See—*
- Coye, Clarence W.
- Moran, Edward V., Billings, Mont., assignor to La Plante Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Tractor implement. 2,404,518; July 23.
- Moran, Harold, Lincoln Park, N. J. Automatic emergency brake release for motor vehicles. 2,411,632; Nov. 26.
- Moran, James M., *See—*
- Gale, Shirley I., Moran, and Heinz.
- Moran, Terence J., Freeport, N. Y., assignor to J. F. Perry, Newark, N. J., and L. R. Cutler, Freeport, N. Y. Compound rivet. 2,392,491; Jan. 8.
- Morand, Donald A., Portland, Oreg. Spring catch. 2,394,395; Feb. 5.
- Morand, Louis D., Clifton, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Machine for sealing-in of vitreous bulbs. 2,396,801; Mar. 19.
- Morberg, Kenneth F., assignor to H. A. Torstenson, Chicago, Ill. Magazine hammer. 2,399,374; Apr. 30.
- Morcaldi D., Rosaria F., Boston, Mass. Knotted-loop work which cannot unravel when cut and producing the same. 2,402,568; June 25.
- Morcaldi D., Rosaria F., East Boston, Mass. Knotted needlework with tied loops. 2,407,031; Sept. 3.
- Mordan, Joseph R., Alden, N. Y. Air jet propelled top. 2,393,790; Jan. 29.
- Moreau, Jorge E., *See—*
- Moreau, Santiago and M. H. and J. E.
- Moreau, Marcelo H., *See—*
- Moreau, Santiago, and M. H. and J. E.
- Moreau, Santiago, M. H., and J. E., Buenos Aires, Argentina. Radiographic filter. 2,405,444; Aug. 6.
- Morehead, Chalmers, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Miniature fluorescent and/or glow lamp. 2,392,333; Jan. 8.
- Morehead, Frederick F., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Molding device. 2,402,338; June 19.
- Morehouse, Eugene M., Providence, R. I., assignor to B. A. Ballou & Co., Inc. Separable members. 2,406,026; Aug. 20.
- Morehouse, Eugene M., Burbank, Calif., assignor to Adel Precision Products Corp. Supporting clip for conduits. Re. 22,824; Dec. 24.
- Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Self-locking nut. 2,393,054; Jan. 15.
- Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Subassemblies conduit clip. 2,396,925; Mar. 19.
- Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Snap-on clip. 2,397,680; Apr. 2.
- Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Wire or conduit clip. 2,408,572; Oct. 1.
- Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Sheet metal nut. 2,405,573; Oct. 1.
- Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Tool for installing conduit clips. 2,409,784; Oct. 22.
- Morehouse, Walter B., Auburndale, Mass. Combination bactericidal and illuminating lamp. 2,407,379; Sept. 10.
- Morrellon, Albert E., and J. A. Hunt, assignors to The Heywood Compressor Company Limited, Redditch, England. Priming of internal-combustion engines. 2,411,103; Nov. 12.
- Morey, Arthur H., and A. Howard, Schenectady, N. Y., assignors to General Electric Company. Gas turbine power plant. 2,403,388; July 2.
- Morey, Donald R., Rochester, N. Y., and R. L. Tichenor, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic acid ester plastics containing a 3-alkyl 2-phenylimino benzothiazoline. 2,393,501; Jan. 29.
- Morey, Donald R., Rochester, N. Y., and R. L. Tichenor, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic acid ester plastics containing N N'-diphenyl acetamidine. 2,393,802; Jan. 29.
- Morey, Glen H., *See—*
- Frey, Frederick E., Hepp, and Morey.
- Matuszak, Maryan P., and Morey.
- Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Process and compositions for treating textiles. 2,402,767; June 25.
- Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitro ketals and preparation thereof. 2,406,504; Aug. 27.
- Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Vinyl resin coating compositions. 2,408,174; Sept. 24.
- Morey Machinery Co., Inc., assignee: *See—*
- Casella, Secondo L.
- Casella, Secondo L., and Himoff.
- Himoff, Morris G.
- Kurzwel, Robert.
- Morrell, Robert L., Swampscott, Mass., assignor to General Electric Company. Flexible gear coupling arrangement. 2,403,389; July 2.
- Morey, William E., Huntington, W. Va., and R. G. Nichols, Weldon Springs, Mo., assignors to American Car and Foundry Company, New York, N. Y. Reclining seat. 2,400,705; May 21.
- Morf, Rudolf, *See—*
- Stoll, Arthur, Morf, and Peyer.
- Morgan, Adolph R., Merchantville, N. J., assignor to Radio Corporation of America. Piezoelectric apparatus. 2,399,820; May 7.
- Morgan, Arthur E., assignee, et al.: *See—*
- Bean, Larila L.
- Morgan Construction Company, assignee: *See—*
- Crosby, Fred B.
- Hawthorne, Charles W.
- Hawthorne, Charles W., and Malm.
- Kneass, Strickland, Jr.
- Morgan, Myles.
- Morgan Crucible Company Limited, The, assignee: *See—*
- Miller, Leslie W.
- Morgan, David L., Youngstown, Ohio. Door and operating means therefor. 2,407,674; Sept. 17.
- Morgan, Earl E., La Fayette, Ind. Bottle carrier. 2,405,753; Aug. 13.
- Morgan, Frank M., Glen Ellyn, and S. Wallace, assignors to Sears, Roebuck & Co., Chicago, Ill. Photographic tank reel. 2,400,043; May 23.
- Morgan, Harry C., Dayton, Ohio, assignor, by mesne assignments, to Curtis Engineering Company, Ingleswood, Calif., a partnership consisting of W. H. and R. R. Curtis. Multiscale instrument indicating system. 2,394,196; Feb. 5.
- Morgan, Harry C., Dayton, Ohio, assignor, by mesne assignments, to Curtis Engineering Company, Ingleswood, Calif., a partnership consisting of W. H. and R. R. Curtis. Radio navigation system and method. 2,396,112; Mar. 5.
- Morgan, Harry C., Dayton, Ohio, assignor, by mesne assignments, to Curtis Engineering Company, Ingleswood, Calif. Multiple scale, multiple function instrument indicating system. 2,412,350; Dec. 10.
- Morgan, Harry W., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Motor mounting. 2,400,248; May 14.
- Morgan, Jack F., *See—*
- Guenther, Alfred, and Morgan.
- Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. High-temperature greases. 2,393,797; Jan. 29.
- Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Lubricant for low temperatures. 2,395,379; Feb. 19.
- Morgan, John D., South Orange, assignor to Cities Service Oil Company, Hillside, N. J. Hydraulic liquid having a comparatively small change in viscosity. 2,410,608; Nov. 5.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Paint and varnish removers. 2,393,795; Jan. 29.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Inhibited turbine oil and the corrosive inhibitor therefor. 2,393,799; Jan. 29.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Valve lubricants. 2,393,800; Jan. 29.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Low temperature-high temperature lubricant. 2,395,380; Feb. 19.
- Morgan, John D., South Orange, and P. B. Levitt, Millburn, N. J., assignors to Cities Service Oil Company, New York, N. Y. Purification of submarine atmospheres. 2,396,190; Mar. 5.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Instrument lubricant. 2,396,191; Mar. 5.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Dental instrument lubricant. 2,396,192; Mar. 5.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Paint and varnish remover. 2,398,242; Apr. 9.

- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Compass fluid. 2,398,662; Apr. 16.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Polishing cloth. 2,403,821; July 9.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Instrument lubricant. 2,409,443; Oct. 15.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Clock lubricant. 2,409,444; Oct. 15.
- Morgan, John D., South Orange, and P. B. Levitt, Millburn, N. J., assignors to Cities Service Oil Company, New York, N. Y. Rate of rise-diver indicator. 2,412,740; Dec. 17.
- Morgan, John D., South Orange, and A. P. Sullivan, Elizabeth, N. J., assignors to Cities Service Oil Company, New York, N. Y. Detecting free hydrogen in submarine atmospheres. 2,412,827; Dec. 17.
- Morgan, John S., Jr., Hermosa Beach, Calif. Centrifugal casting machine. 2,399,446; Apr. 30.
- Morgan, John S., Jr., Manhattan Beach, and D. A. Murphy, Torrance, Calif., assignors to The National Superior Company, Toledo, Ohio. Swivel. Re. 22,825; Dec. 24.
- Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle drive axle gearing. 2,407,675; Sept. 17.
- Morgan, Milton F., Shaker Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Ignition furnace for sintering machines. 2,402,339; June 18.
- Morgan, Milton F., Shaker Heights, Ohio. Feeding method and apparatus. 2,409,378; Oct. 15.
- Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Conveyor mechanism. 2,392,334; Jan. 8.
- Morgan, Quinton F. See—
- Wampler, Ivan W., and Morgan.
- Morgan, Ralph E., and P. N. Curry, assignors to Dura-metallic Corporation, Kalamazoo, Mich. Stuffing box packing. 2,395,935; Mar. 5.
- Morgan, Ralph H. See—
- Drexler, Charles, and Morgan.
- Morgan, Richard W. See—
- Hill, Walter E., Wintle, and Morgan.
- Morgan, Russell H., and P. C. Hodges, Chicago, Ill., assignors to the United States of America, as represented by the Director of the Office of Scientific Research and Development. Method of and apparatus for measuring radiations. 2,401,288; May 28.
- Morgan, Russell H., and P. C. Hodges, Chicago, Ill., assignors to the United States of America, as represented by the Director of the Office of Scientific Research and Development. Photoelectric timer for roentgen photography. 2,401,289; May 28.
- Morgan, Thomas J., Chicago, and A. S. Dearborn, Hinsdale, Ill. Real structure. 2,392,492; Jan. 8.
- Morgan, Willard L. See—
- Colbert, William H., and Morgan.
- Morgan, Willard L., Columbus, Ohio, assignor to Arnold, Hoffman & Co. Incorporated. Water soluble resinous condensates. 2,408,332; Sept. 24.
- Morgan, Willard L., Columbus, Ohio, assignor of one-half to A. E. Staley Manufacturing Company, Decatur, Ill., and one-half to American-Maize Products Company, New York, N. Y. Production of plasticized prolamine and derivative compositions. 2,410,124; Aug. 20.
- Morgan, Willard L., Columbus, Ohio, and E. D. McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co. Incorporated, Providence, R. I. Fatty amide polymers. 2,410,788; Nov. 5.
- Morgan, Willard L., Columbus, Ohio, and E. D. McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co. Incorporated, Providence, R. I. Fatty amide polymers. 2,410,789; Nov. 5.
- Morgan, William E., San Francisco, Calif. Head band terminal. 2,412,776; Dec. 17.
- Morner, August F., Hollis, N. Y. Fuel oil heater. 2,394,868; Feb. 12.
- Morgenroth, Henri, Los Angeles, Calif. Liquid metering and distributing apparatus. 2,406,239; Aug. 20.
- Morgenroth, Henri, Los Angeles, Calif. Liquid metering and distributing apparatus. 2,406,240; Aug. 20.
- Morgenroth, Mary E., Chicago, Ill. Lamp shade. 2,400,944; May 28.
- Morgenthaler, Frederick W., Brooklyn, and J. S. Garwood, New York, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Glide attachment for bomb sights. 2,410,087; Oct. 23.
- Moriarty, Ernest C. See—
- Byrns, James C., Moriarty, and Darnall.
- Moriarty, Ernest C., Washington, D. C. Bomb fuse. 2,407,844; Sept. 17.
- Morin, Leo P., Port Arthur, Ontario, Canada. Cutter attachment for hand punches. 2,398,840; Apr. 23.
- Morin, Louis H., assignee: See—
- Marinsky, Davis.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Casting separable fasteners. 2,392,684; Jan. 8.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Dual slider unit. 2,392,685; Jan. 8.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Dual slider unit. 2,393,551; Jan. 22.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Method and apparatus for removing stringer scoops. 2,394,197; Feb. 5.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. End stop for flexible stringers. 2,395,592; Apr. 16.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Slide coupling separable fastener stringers. 2,401,313; June 4.
- Morin, Louis H., assignor of one-half to Davis Marinsky, Bronx, N. Y. Forming separable fastener scoops. 2,403,739; July 9.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Producing dies from powdered metallurgy. 2,413,512; Dec. 31.
- Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Scraper. 2,408,806; Oct. 8.
- Morkoski, James, Canton, Ill., assignor to International Harvester Company. Tripping mechanism. 2,395,342; Feb. 19.
- Morkoski, James, Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,407,094; Sept. 3.
- Morkoski, James, Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,409,733; Sept. 17.
- Morkoski, James, Canton, Ill., assignor to International Harvester Company. Mechanical power lift. 2,407,762; Sept. 17.
- Morley, Charles E., and H. S. Davis, Detroit, Mich. Ventilated spectacle frame. 2,394,799; Feb. 12.
- Morley, Charles E., and H. S. Davis, Detroit, Mich. Goggles. 2,411,933; Dec. 3.
- Morlock, William J., and R. C. Willman, Indianapolis, Ind., assignors to Radio Corporation of America. Quick detachable audio-frequency connector. 2,403,677; July 9.
- Morner, Hans G., New York, N. Y. Fluid pressure molding apparatus. 2,411,743; Nov. 26.
- Moroney, Laurence F., Moore Park, near Melbourne, Victoria, Australia. Automatic clutch mechanism. 2,395,576; Feb. 26.
- Morow, Joseph L., Wilkinsburg, assignor to Dravo Corporation, Pittsburgh, Pa. Welder's headgear. 2,402,431; Feb. 19.
- Morpeth, James C., assignor to British Food Manufacturers' Research Association, London, England. Gauging apparatus for the measurement of vacua. 2,393,552; Jan. 22.
- Morreall, Herbert W., Jr. See—
- Duer, Herman H., and Morreall.
- Morreall, Herbert W., Jr., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Sensitometer. 2,406,702; Aug. 27.
- Morreall, Charles E., Westfield, J. K. Small, Union, and J. H. McFarland, Cranford, N. J., assignors to Standard Oil Development Company. Olefin concentration. 2,399,882; May 7.
- Morreall, Glenn A., Seattle, Wash. Fruit picker. 2,403,294; July 2.
- Morreall, Jacques C., Oak Park, Ill. Coated metal container. 2,412,528; Dec. 10.
- Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe supporting jack. 2,406,306; Aug. 20.
- Morrill, Vaughan, Jr., assignor to American Stove Company, St. Louis, Mo. Liquid product and thermostatic device embodying same. 2,413,513; Dec. 31.
- Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Ignition system. 2,301,175; May 28.
- Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Brush rigging. 2,399,993; May 7.
- Morrill, William H., Bangor, Maine. Fishing tackle. 2,392,335; Jan. 8.
- Morris, Anderson F., Georgetown, assignor of one-fourth to D. W. Morris, Fort Worth, Tex. Weed cutter attachment for drill cultivators. 2,411,454; Nov. 19.
- Morris, Bert M., Co., assignee: See—
- Back, Robert.
- Fleming, Robert B.
- Morris, Cecil H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine blade locking apparatus. 2,406,703; Aug. 27.
- Morris, Charles L., assignor of forty per cent to D. L. Peters, Cammeton, W. Va. Automatic brake. 2,396,743; Mar. 19.
- Morris, Douglas W., assignee: See—
- Morris, Anderson F.
- Morris, Frank A., assignor to Stromberg-Carlson Company, Rochester, N. Y. Control and trigger circuit for telephone systems and the like. 2,409,145; Oct. 8.
- Morris, Howard L., assignor of one-third to C. M. Yoder and one-third to H. O. Yoder, Lakewood, Ohio. Welding apparatus. 2,395,059; Feb. 19.
- Morris, Ira A., Fort Worth, Tex. Landing gear for trailers and the like. 2,400,652; May 21.
- Morris, John K., Los Angeles, Calif. Gear power unit. 2,393,841; Apr. 23.

- Morris, John R., Beacon, assignor to The Texas Company, New York, N. Y. Preparation of barium salts of cyclic-aliphatic ether alcohols. 2,411,586; Nov. 26.
- Morris, John R., Lawrenceville, Ill., and R. F. McCleary, Beacon, assignors to The Texas Company, New York, N. Y. Lubricating oil. 2,409,303; Oct. 15.
- Morris, Joseph L., U. S. Army, New York, N. Y. Legging. 2,398,802; Apr. 23.
- Morris Motors Limited, assignee: *See*—
- Issigonis, Alexander A.
- Morris Paper Mills, assignee: *See*—
- Powell, Henry K.
- Morris, Rupert C., *See*—
- Evans, Theodore W., Morris, and Shokal.
- Morris, Rupert C., and E. C. Shokal, Oakland, Calif., and W. S. Thornhill, Plainfield, N. J., assignors to Shell Development Company, San Francisco, Calif. Insecticides. 2,393,925; Jan. 29.
- Morris, Rupert C., Berkeley, E. C. Shokal, Oakland, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Hydraulic fluids. 2,394,251; Feb. 5.
- Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Unsaturated bicyclic carbonylic compounds and their preparation. 2,407,508; Sept. 10.
- Morris, Thomas L., Van Nuys, Calif. Fluid transmission. 2,405,600; Aug. 13.
- Morris, Thomas L., Van Nuys, assignor of one-half to F. M. Boes, North Hollywood, Calif. Hydraulic transmission. 2,408,574; Oct. 1.
- Morris, William, New Haven, Conn. Mechanical manual-type wire twister. 2,400,769; May 21.
- Morris, William C.: *See*—
- Harbert, Carl J., Ellinger, and Morris.
- Harbert, Carl J., and Morris.
- Morrison, Robert F., and Morris.
- Morris, William G., Statesville, N. C. Railway switch joint. 2,397,427; Mar. 26.
- Morris, William P., Lovington, N. Mex. Measuring line stripping block. 2,413,367; Dec. 31.
- Morrison, Alexander L.: *See*—
- Bergel, Franz, Hindley, Morrison, and Rinderknecht.
- Morrison, David K., Arlington, Va. Differential control device. 2,407,322; Sept. 10.
- Morrison, George L., Evanston, Ill. Calculating and controlling line printing machines. 2,400,567; May 21.
- Morrison, George O., and H. M. Collins, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Making aqueous dispersions containing polyvinyl acetate and wax. 2,404,518; July 23.
- Morrison, Howard L., Merchantville, N. J., assignor to Radio Corporation of America. Oscillation generation. 2,398,502; Apr. 16.
- Morrison, John W., Cincinnati, Ohio. Lighting equipment. 2,398,754; Apr. 13.
- Morrison, Joseph I., Lincolnwood, Ill. Compressible core for cooling pipes. 2,409,304; Oct. 15.
- Morrison, Montford, Upper Montclair, N. J. Electronic regenerative repeater. 2,406,096; Aug. 20.
- Morrison Railway Supply Corporation, assignee: *See*—
- Morrison, Raymond L.
- Morrison, Raymond L., assignor to Morrison Railway Supply Corporation, Buffalo, N. Y. Welding rod. 2,400,249; May 14.
- Morrison, Robert F., Elyria, and W. C. Morris, South Euclid, assignors to The Harshaw Chemical Company, Elyria, Ohio. Glass enamel compositions. 2,396,873; Mar. 19.
- Morrison, Robert G.: *See*—
- Kurtz, Henry F., and Morrison.
- Morrison, Willard L., Lake Forest, Ill. Evaporator for refrigeration. 2,398,029; Apr. 9.
- Morrison, Willard L., Lake Forest, Ill. Refrigerated truck. 2,406,241; Aug. 20.
- Morris, Caddis F.: *See*—
- Griffin, Ira L., and Morris.
- Morrone, John A., assignee: *See*—
- Reensterna, Gustaf L.
- Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Draft regulator. 2,397,879; Apr. 2.
- Morrow, David, and L. Baldo, U. S. Navy. Swivel connection for aircraft turrets. 2,395,899; Mar. 5.
- Morrow, Francis J.: *See*—
- Bradshaw, Lawrence, Morrow, and MacLagan.
- Morrow, Harry M., Canton, Ohio, assignor to The Bowdell Company. Mining machine chain lug. 2,398,107; Apr. 9.
- Morrow, Harry M., and V. O. Shelton, Canton, Ohio, assignors to The Bowdell Company. Cutting machine. 2,397,974; Apr. 9.
- Morrow, John W.: *See*—
- Hanson, Harold F., and Morrow.
- Morse, Albert B., Shaker Heights, Ohio. Froth flotation with simultaneous filtration and collection of froth. 2,411,288; Nov. 19.
- Morse Boulder Destructor Company, assignee: *See*—
- Cordvon, Jeff. II.
- Morse, Erwin E.: *See*—
- Alston, Paul W., and Morse.
- Morse, John F., Hudson, Ohio. Rudder control mechanism. 2,392,056; Jan. 1.
- Morse, John F., Hudson, Ohio. Transmission control for marine engines. 2,398,243; Apr. 9.
- Morse, John F., Hudson, Ohio. Photographic developing tank. 2,405,160; Aug. 6.
- Morse, Louis K., assignor, by mesne assignments, to Empire Electric Corporation, New York, N. Y. Pressure mounted quartz oscillators. 2,392,993; Jan. 15.
- Morse, Paul C., San Francisco, Calif. Still. 2,398,842; Apr. 23.
- Morse, Richard K., assignor to The Kaydon Engineering Corporation, Muskegon, Mich. Welding rod holder. 2,395,343; Feb. 19.
- Morse, William A., Santa Monica, Calif. Swivelled and shock absorbing seat construction for vehicles. 2,402,974; July 2.
- Mortensen, Peter E., Milwaukie, Oreg. Apparatus for making socket wrenches. 2,398,244; Apr. 9.
- Mortensen, Raymond A., Loma Linda, assignor to A. O. Beckman, Altadena, Calif. Fluid-testing apparatus and method. 2,396,470; Mar. 12.
- Mortenson, Carl W.: *See*—
- Hoffman, William A., and Mortenson.
- Mortenson, Carl W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of a triole with macromolecular ketones. 2,396,963; Mar. 19.
- Mortenson, Gunnar C., Chicago, Ill. Expansion and contraction joint. 2,405,844; Aug. 13.
- Mortimer Newman Co., The, assignee: *See*—
- Costello, John.
- Morton, Allen W., Baltimore, Md., assignor to Koppers Company, Inc., Pittsburgh, Pa. Oil rings. 2,398,030; Apr. 9.
- Morton, Avery A., Watertown, Mass. Producing white sodium fluoride. 2,406,097; Aug. 20.
- Morton, Charles F., assignee: *See*—
- Dion, Henry F.
- Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed control for motor. 2,394,559; Feb. 12.
- Morton, Edmund R., Brooklyn, N. Y., and H. M. Stoller, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed control system for electric motors. 2,395,516; Feb. 26.
- Morton, Eldred O., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid speed indicator. 2,404,978; July 30.
- Morton, George A.: *See*—
- Flory, Leslie E., Massa, and Morton.
- Morton, George A., Princeton, N. J., assignor to Radio Corporation of America. Electronic computer. 2,412,467; Dec. 10.
- Morton, George A., Haddon Heights, and L. E. Flory, Oaklyn, N. J., assignors to Radio Corporation of America. Electronic computing device. 2,409,689; Oct. 22.
- Morton, Henry E., Muskegon, Mich. Hydraulic clutch. 2,409,995; Oct. 22.
- Morton, Jack A., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,409,222; Oct. 15.
- Morton, Paul D., Riverview, and J. F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Synthetic resins and manufacture thereof. 2,403,450; July 9.
- Morton Salt Company, assignee: *See*—
- Butler, Howard C.
- Mortou, William: *See*—
- Lytle, Arthur R., and Mortou.
- Morway, Arnold J.: *See*—
- Zimmer, John., and Morway.
- Morway, Arnold J., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Preparing an aluminum soap from spent aluminum halide catalyst and a grease from said soap. 2,396,744; Mar. 19.
- Morway, Arnold J., Clark Township, Union County, and A. Beerbover, Kenilworth, N. J., assignors to Standard Oil Development Company. Antifriction bearing lubricant. 2,411,587; Nov. 26.
- Mosaic Tile Company, The, assignee: *See*—
- List, Roland, and Flynn.
- Mosaly, Earl M., Eagle Rock, Calif. Clothespin. 2,409,379; Oct. 15.
- Mosca, Victor, assignee: *See*—
- Rickelmann, Gustav W. B.
- Mosch, Alfred, New York, N. Y. Utensil holder. 2,412,056; Dec. 3.
- Moscowitz, Abraham, Nutley, N. J., assignor to L. Sonneborn Sons, Inc. Emulsification of vegetable and animal oils. 2,396,718; Mar. 19.
- Moseley, James T. W., Clayton, H. A. Carlson, University City, and A. N. Schwartz, assignors to Carter Carburetor Corporation, St. Louis, Mo. Charge forming device. 2,403,390; July 2.
- Moseman, John W., Jr.: *See*—
- Butler, Robert G., Jr., and Moseman.
- Moser, Eduard: *See*—
- Schmid, Max, and Moser.
- Moser, Eduard, Riehen, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs of the pyrazolone series. 2,399,447; Apr. 30.

- Moser, Jesse: *See*—
Vickers, Harry F., Herman, and Moser.
- Mosses, Graham L., Edgewood, and C. A. Atwell, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric machine. 2,401,011; May 28.
- Moses, Herbert B., assignee: *See*—
Barnhill, George B.
- Moses, Louis: *See*—
Vertheim, Oscar, and Moses.
- Moses, Winfield C., Fort Wayne, Ind., assignor to O. G. Ferrier. Machine for piercing refractory bodies. 2,402,831; June 25.
- Mosher, Alfred L., Dover, N. J. Loading device. 2,395,494; Feb. 26.
- Mosher, Harvey G., Inkster, Mich. Mounting device for dual wheels. 2,404,520; July 23.
- Mosher, Rupert C.: *See*—
Barnett, Harold M., and Mosher.
- Mosher, Walter I., Harpursville, N. Y., assignor to N. L. Dahlander, New Milford, Pa. Multiple ladder. 2,397,972; Apr. 9.
- Mosher, Charles C., Maud, Ohio. Foot-exercising device. 2,397,428; Mar. 26.
- Moskey, Moskos S., Lakewood, Ohio. Forming artificial teeth. 2,409,783; Oct. 22.
- Moskowitz, Abram: *See*—
Brady, James L., and Moskowitz.
- Mosley, Carl E., Overland, assignor to W. U. Matthews Corporation, St. Louis, Mo. Electrical cutout. 2,401,656; June 4.
- Moss, Curtis W., Detroit, Mich. Music leaf turner. 2,397,572; Sept. 10.
- Moss, Lionel G., Dunbar, W. Va. Cigarette rolling device. 2,404,242; July 16.
- Moss, Richard Y., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,412,413; Dec. 10.
- Moss, Theron V.: *See*—
Fullerton, George H. and Moss.
- Moss, Walter E.: *See*—
Mavity, Julian M., and Moss.
- Mossay, Paul A. H., B. Schwarz, and E. Barraclough, Greenwich, England, Multiphase A. C. transformer. 2,406,704; Aug. 27.
- Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Rear sight for firearms. 2,407,437; Sept. 10.
- Mossberg, Harold F., and E. Bullard, assignors to O. F. Mossberg & Sons, Inc., New Haven, Conn. Firearm rear sight. 2,405,512; Aug. 6.
- Mossberg, O. F., & Sons, Inc., assignee: *See*—
Mossberg, Harold F., and Bullard.
- Mossberg, Harold F., and Bullard.
- Mossberg Pressed Steel Corporation, assignee: *See*—
Olson, Robert V.
- Mossler, Lillian M., New York, N. Y. Rug. 2,409,580; Oct. 15.
- Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,398,031; Apr. 9.
- Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stoker apparatus. 2,400,706; May 21.
- Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Grate. 2,400,707; May 21.
- Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stoker apparatus. 2,402,906; June 25.
- Motel, John, Cleveland, Ohio. Shutter for fishing nets. 2,409,146; Oct. 8.
- Motigraph, assignee: *See*—
Wienke, Emil J.
- Motion Picture Engineering Corporation, assignee: *See*—
Matson, Robert.
- Motley, Robert L., Dayton, Ohio. Ear protector. 2,396,113; Mar. 5.
- Motor Tool Manufacturing Company, assignee: *See*—
Ross, Walter F.
- Motor Wheel Corporation, assignee: *See*—
Jones, Don F., Miller, and Figg.
- Miller, John W.
- Motsinger, Armand W., near Aberdeen, Md. Voice-transmitting gas mask. 2,410,454; Nov. 5.
- Mot, Carl W., La Grange, Ill., assignor to International Harvester Company. Fluid control for fluid-driven motors. 2,399,756; May 7.
- Mott, Carl W., La Grange, Ill., assignor to Howard C. Riordan, Oak Park, Ill. Method and machine for making surgical sponges. 2,400,250; May 14.
- Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Tractor-mounted implement. 2,409,509; Oct. 15.
- Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Power adjusting mechanism. 2,409,510; Oct. 15.
- Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Overload release for rockable arms. 2,409,511; Oct. 15.
- Mott, Chester, Evanston, and G. V. Wallace, Jr., assignors to National Cylinder Gas Company, Chicago, Ill. Torch beveling apparatus. 2,412,281; Dec. 10.
- Mott, Elmer S., assignor to Wingfoot Corporation, Akron, Ohio. Metal coating. 2,398,108; Apr. 9.
- Mottern, Henry O.: *See*—
Archibald, Francis M., and Mottern.
- Moulin, Albert E., Jr., and P. W. Orchard, Jr., New Orleans, La. Oscillograph. 2,404,738; July 23.
- Mount, Donald L., Memphis, Mo. Variable-speed transmitter. 2,412,351; Dec. 10.
- Mount Sinai Hospital Research Foundation, Inc., assignee: *See*—
Sobotka, Harry.
- Mt. Vernon-Woodberry Mills, assignee: *See*—
Whitlier, Benjamin L., and John J. Woodberry.
- Mount, Wadsworth W., Summit, N. J., assignor to Intertype Corporation, Brooklyn, N. Y. Ordinance. 2,399,136; Apr. 23.
- Mountain City Foundry and Machine Co., assignee: *See*—
Hunt, John O.
- Mourmontseff, Ilia E.: *See*—
Clifford, David G., and Mourmontseff.
- Mourmontseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combined air jacket and tuning mechanism for resonators. 2,394,396; Feb. 5.
- Mourmontseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency tube. 2,394,397; Feb. 5.
- Mourmontseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coaxial line seal. 2,393,383; Feb. 5.
- Mourmontseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency oscillograph. 2,396,500; Mar. 19.
- Mourmontseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Support. 2,398,593; Apr. 16.
- Mourmontseff, Ilia E., Montclair, and J. H. Findley, Upper Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cathode for magnetron devices. 2,400,770; May 21.
- Mourmontseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,404,082; July 16.
- Mourmontseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Beat oscillator. 2,411,289; Nov. 19.
- Mousseau, Ambrose, assignee: *See*—
Fruder, Henry V.
- Mouw, Andrew, Huntington Woods, assignor to No-Sag Spring Company, Detroit, Mich. Spring construction. 2,404,883; July 30.
- Movlds, Kenneth S., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. High-water-dispersible calcium pigment. 2,397,035; Mar. 19.
- Mowrey, Lester D., Wichita Falls, Tex. Bottom hole regulator. 2,411,667; Nov. 26.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company. Copolymers of diolefinic compounds. 2,398,321; Apr. 9.
- Moxham, Egbert, Jr., Brunswick, Ga. Hull construction for surface boats and ships. 2,400,771; May 21.
- Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric control system. 2,393,701; Jan. 29.
- Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric control circuit. 2,411,744; Nov. 26.
- Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric control circuit. 2,411,745; Nov. 26.
- Moyer, Harold J.: *See*—
Schonberg, Jackson R., and Moyer.
- Moyer, Harris P., Toledo, Ohio, assignor to The Aviation Corporation, New York, N. Y. Determining blade thickness. 2,399,650; May 7.
- Moyer, Harris P., Toledo, Ohio, assignor to The Aviation Corporation, New York, N. Y. Producing fillets. 2,407,995; Sept. 24.
- Moyriban, John J., Rochester, N. Y., assignor of one-half to J. B. Brennan, Cleveland, Ohio. Compensating device. 2,396,056; Mar. 5.
- Moyriban, John J., Rochester, N. Y., assignor of one-half to J. B. Brennan, Cleveland, Ohio. Signal device. 2,412,094; Dec. 3.
- Moyriban, John J., Boston, Mass., assignor of one-half to J. B. Brennan, Cleveland, Ohio. Coordinating apparatus. 2,404,243; July 16.
- Moyriban, John J., Boston, Mass., assignor of one-half to J. B. Brennan, Cleveland, Ohio. Electrical system for the control of mechanical devices. 2,408,472; Oct. 1.
- Mraz, Stephen A.: *See*—
Brannon, James J., and Mraz.
- Mrazek, Joseph, Woodside, Long Island, N. Y. Marking bodies. 2,406,705; Aug. 27.
- Muckerheide, Victor J.: *See*—
Myers, Latimer D., and Muckerheide.

- Muckley, Fred A., Tylers Green, Penn., England. Mixing apparatus. 2,397,324; Mar. 26.
- Mudd, Ora C.: See—
Hantzsch, Ralph E., and Mudd.
- Muddiman, Earl R., Wilkensburg, Pa., assignor to Carnegie-Illinois Steel Corporation. Metal strip processing apparatus. 2,394,493; Feb. 5.
- Muddiman, Earl R., Wilkensburg, Pa., assignor to Carnegie-Illinois Steel Corporation. Sheet handling mechanism. 2,412,001; Dec. 3.
- Medica, Albert R., Marshall, Mich. Curved surface generating device. 2,402,070; June 11.
- Mudon, T. J. Co., assignee: See—
Mudon, Thomas J.
- Mudon, Thomas J., Chicago, Ill., assignor to T. J. Mudon Co. Switch. 2,394,712; Feb. 12.
- Muehlhofer, Richard, Mountaine, N. J. Apparatus for carbonating liquids. 2,408,439; Oct. 1.
- Muehter, Manfred W., Nutley, assignor to American District Telegraph Company, Jersey City, N. J. Signaling system. 2,398,594; Apr. 16.
- Mueller, Adolf G., Fairfield, and F. C. Dazley, Stratford, Conn., assignors to General Electric Company. Tubular lamp fixture. 2,399,501; Apr. 30.
- Mueller, Alexander V., assignor to The Deming Company, Salem, Ohio. Centrifugal pump. 2,394,931; Feb. 12.
- Mueller, Alexander V., assignor to The Deming Company, Salem, Ohio. Pump. 2,394,932; Feb. 12.
- Mueller, Alfred, Berwyn, assignor to Crane Co., Chicago, Ill. Valve actuating mechanism. 2,412,529; Dec. 10.
- Mueller, Camillo, New York, N. Y. Degreasing of animal bones. 2,395,900; Mar. 5.
- Mueller, Camillo, New York, N. Y. Producing glue from bones. 2,397,973; Apr. 9.
- Mueller, Emil G., Wilkensburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,409,888; Oct. 22.
- Mueller, Erich O., Irwin, and R. H. Wagner, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Splashproof traction motor. 2,404,979; July 30.
- Mueller, Friedrich J.: See—
Hight, Franklin R., Greeshields, and Mueller.
- Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized silver halide emulsions. 2,394,198; Feb. 5.
- Mueller, Fritz W. H., and J. E. Bates, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y. Intensification of the latent image. 2,403,428; July 2.
- Mueller, George E.: See—
Feldman, Carl B. H., and Mueller.
- Mueller, John E., assignee, et al.: See—
Mueller, Moritz L.
- Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,412,414; Dec. 10.
- Mueller, Moritz L., assignee, et al.: See—
Mueller, Moritz L.
- Mueller, Moritz L., assignor, by mesne assignments, to M. L. and J. H. Mueller, Seattle, Wash., as joint-tenants. Heating apparatus. 2,402,907; June 25.
- Mueller, Otto: See—
Widman, Charles H., and Mueller.
- Mueller, William P., Emporium, Pa., assignor to Sylvania Electric Products Inc. High-frequency wave signaling system. 2,410,387; Oct. 29.
- Mueller, William P., and F. L. Burroughs, assignors to Sylvania Electric Products Inc., Emporium, Pa. Radio transmission and testing system utilizing pulse type generators. 2,394,933; Feb. 12.
- Mueller, William P., and N. L. Kiser, assignors to Hygrade Sylvania Corporation, Emporium, Pa. Electrical oscillatory system and apparatus. 2,405,229; Aug. 6.
- Muench, Carl G., Wilmette, assignor to The Celotex Corporation, Chicago, Ill. Apparatus for separating shot particles from mineral wool. 2,403,740; July 9.
- Muerle, Richard W., Springfield, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Pressure switch. 2,412,005; Dec. 3.
- Mully, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Disturbing influence detecting element. 2,412,742; Dec. 17.
- Muffy, Glenn, Springfield, Ohio. Refrigerating mechanism. 2,407,794; Sept. 17.
- Muffy, Glenn, Springfield, Ohio. Refrigerator. 2,410,672; Nov. 5.
- Muggleton, Gerald D., Appleton, and A. F. Plepenberg, assignors, by mesne assignments, to Combined Locks Paper Co., Combined Locks, Wis. Apparatus for coating paper. 2,398,543; Apr. 23.
- Muggleton, Gerald D., Appleton, and A. F. Plepenberg, assignors, by mesne assignments, to Combined Locks Paper Co., Combined Locks, Wis. Paper coating. 2,398,544; Apr. 23.
- Muir, Wellington W., Lockport, N. Y. Cooling system for internal-combustion engines. 2,399,651; May 7.
- Muir, Wellington W., Lockport, N. Y. Heat control. 2,409,395; Oct. 15.
- Muir, William P., Hampstead, Quebec, Canada, assignor to Dominion Engineering Works, Limited, Lachine, Quebec, Canada. Hydraulic press. 2,403,391; July 2.
- Muldoon, Bernard F., Mountain View, N. J., assignor to H. Hyman, Brooklyn, N. Y. Portable electric flashlight. 2,401,866; June 4.
- Mullen, William Gladwyne, Pa., assignor to M. F. Dilks and W. A. Mulford, Bryn Mawr, Pa. Friction clutch. 2,393,926; Jan. 29.
- Mulford, William A., assignee, et al.: See—
Mulford, William.
- Mulholland, John H., Co., assignee: See—
Welch, Clarence M.
- Mulks, Harold O., assignee: See—
Waldo, Mabel T.
- Mull, Arthur B., Hollywood, Calif., assignor to Spotswood Specialty Co., Inc., Lexington, Ky. Toy airplane. 2,407,720; Sept. 17.
- Mull, Raymond A., Benton Harbor, Mich. Surgical instrument. 2,397,036; Mar. 19.
- Mullarkey, Thomas, Chicago, Ill. Former for armature coils. 2,393,397; Jan. 22.
- Mullen, Thomas W., Evansville, Ind. Towel rack. 2,408,869; Oct. 8.
- Mullen, William G., Danvers, assignor to Lithomat Corporation, Boston, Mass. Photographic printing plate. 2,397,616; Apr. 2.
- Mullen, William G., Winchester, assignor to Lithomat Corporation, Boston, Mass. Photographic printing plate. 2,405,513; Aug. 6.
- Mulmore, Ralph D., U. S. Navy. Azimuth scale. 2,405,601; Aug. 13.
- Muller, Albert B., Fort Wayne, Ind. Infant's folding seat attachment for toilets. 2,402,832; June 25.
- Muller, Alfred: See—
Zellbeck, Gustav, and Muller.
- Muller, Arno H., Wood-Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Winding machine. 2,408,846; Sept. 3.
- Muller, Carl W., Osborn, Ohio. Connector assembly, thermocouple lead. 2,410,098; Oct. 29.
- Muller, Charles G., Elmhurst, Long Island, N. Y. Arch support. 2,403,944; July 16.
- Müller, Enrique, Chihuahua, Mexico. Hypodermic injection applying device. 2,410,991; Nov. 12.
- Muller, George W., Miami Beach, Fla. Rail joint. 2,412,743; Dec. 17.
- Müller, Helmut, and A. Fischinger, Cologne, Germany; vested in the Alien Property Custodian. Fuel injection pump for internal-combustion engines. 2,410,517; Nov. 5.
- Muller, Herman E., Sr.: See—
Hunter, John A., and Muller, Sr.
- Muller, John A., Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Control mechanism. 2,391,998; Jan. 1.
- Muller, Johan A., Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Cylindrical press structure. 2,403,822; July 9.
- Muller, Johan A., Dayton, and H. F. MacMillan, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del. Control system. 2,395,974; Mar. 5.
- Muller, John T., Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,394,467; Feb. 5.
- Muller, John T., Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material forming apparatus. 2,398,387; Apr. 16.
- Muller, John T., Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,401,176; May 28.
- Muller, John T., Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacturing coated articles. 2,412,644; Dec. 17.
- Müller, Paul, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Insecticidal compounds and making same. 2,397,802; Apr. 2.
- Müller, Richard, Berlin, Germany; vested in the Alien Property Custodian. Infection and destruction of bacteria. 2,394,325; Feb. 5.
- Mullerheim, Kurt, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Battery charging and voltage regulating system. 2,398,845; Apr. 23.
- Mullett, George, and E. D. Wachter, Jr., Whitefish Bay, assignors to Bradley Washfontain Co., Milwaukee, Wis. Foot controlled washfontain. 2,398,149; Apr. 9.
- Mulligan, Walter J., San Mateo, Calif. Interlocking spline device for structural units. 2,400,162; May 14.
- Mullin, Henry A., Redding, Calif. Rim and wheel mounting for pneumatic tires. 2,392,493; Jan. 8.
- Mullins Manufacturing Corporation, assignee: See—
Benson, John H.
- Mullins, Thomas C., Chicago, Ill., assignor to The Marlon Steam Shovel Company, Marion, Ohio. Walking apparatus for excavators. 2,396,375; Apr. 30.
- Mullins, William H., and W. M. Gentry, South Boston, Va. Gearshift locking device. 2,411,455; Nov. 19.
- Mulloy, Ollie L.: See—
Blanchard, Alva G., and Mulloy.
- Mulvaney, Thomas C., and L. J. Thornton, Nicolaus, Calif. Draper. 2,397,681; Apr. 2.

- Mumma, George E., Winnetka, assignor to Sears, Roebuck and Company, Chicago, Ill. Warm air furnace. 2,408,991; Oct. 8.
- Mumma, Paul E., McKeesport, and A. W. Thornton, Pittsburgh, Pa., assignors to National Tube Company. Casting ingots. 2,402,833; June 25.
- Mumma, Robert E.: *See—*
Compton, Justin S., and Mumma.
Cone, James H., and Mumma.
Desch, Joseph R., and Mumma.
- Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,401,657; June 4.
- Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic counting ring. 2,402,432; June 18.
- Mumma, Robert E., assignor to The National Cash register Company, Dayton, Ohio. Impulse emitter. 2,403,875; July 2.
- Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Calculating machine. 2,404,739; July 23.
- Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic device and control means therefor. 2,405,095; July 30.
- Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,405,096; July 30.
- Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,405,664; Aug. 13.
- Mumma, Robert E., and F. X. Bucher, assignors to The National Cash Register Company, Dayton, Ohio. Electronic device. 2,398,150; Apr. 9.
- Muncie Gear Works, Inc., assignee: *See—*
Smith, Marvin M., Fields, and Kemler.
- Munday, John C.: *See—*
Hall, Homer J., and Munday.
- Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Production of metals. 2,398,443; Apr. 16.
- Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Making gasoline. 2,398,846; Apr. 23.
- Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,412,645; Dec. 17.
- Mundel, August B.: *See—*
Carliele, Samuel E., Jr., and Mundel.
- Mungo, Thomas A., New York, N. Y. Controlled electric water heater for hygienic use. 2,409,512; Oct. 15.
- Munn, John E., Bellevue, assignor to Chemical Service Company, Pittsburgh, Pa., a partnership comprising T. Schleid, A. H. Munn, and J. E. Munn. Treatment of oil wells. 2,402,433; June 18.
- Munny Manufacturing Company, assignee: *See—*
Getgey, John J., and Kruea.
- Munro, Gordon, Bremerton, Wash. Data exhibitor. 2,406,027; Aug. 20.
- Munro, Robert, Grosse Pointe Woods, and A. A. Albright, Detroit, Mich. Electrode holder. 2,398,032; Apr. 9.
- Munroe, David J.: *See—*
Dally, Roy, Goldsmith, and Munroe.
Bull, Harvard L., and Munroe.
- Munschauer, Edwin A., Jr., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Machine control means. 2,404,980; July 30.
- Munsingwear, Inc., assignee: *See—*
Chaffield, Franklin.
- Munson, Alexander L., Detroit, Mich. Welding mechanism. 2,407,676; Sept. 17.
- Munson, Wilden A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone practice. 2,408,352; Aug. 27.
- Munsters, Carl G., Stockholm, Sweden. Heat insulation. 2,413,321; Dec. 31.
- Munton, Harold T., assignee: *See—*
Reinmuller, Christian J.
- Muntwyler, Charles J., assignee: *See—*
Kessler, Louis.
- Muntz, Alan & Company Limited, assignee: *See—*
Beale, Evelyn S. L.
Farmer, Harold O.
Muntz, Frederick A. I.
- Muntz, Frederick A. I., assignor to Alan Muntz & Company Limited, Hounslow, England. Internal-combustion engine. 2,408,089; Sept. 24.
- Murano, Joseph S., Youngstown, Ohio. Instrument mouthpiece. 2,411,092; Nov. 26.
- Murch, John H., East Orange, N. J., assignor to American Cash Company, New York, N. Y. Control device. 2,413,031; Dec. 24.
- Murdoch, Alexander, Jr.: *See—*
Leich, John S., and Murdoch.
- Murdoch, Robert P., Mount Lebanon, Pa. Aircraft landing gear. 2,408,870; Oct. 8.
- Murdock, Clayton E., Millbrae, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Tube. 2,399,757; May 7.
- Murdock, Elmer C., Statesville, N. C. Abrading machine. 2,404,917; July 30.
- Murdock, Frederick M., Chicopee Falls, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Resinous compositions. 2,392,686; Jan. 8.
- Murdock, John G., & Company Limited, assignee: *See—*
Henderson, Bryan J.
- Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. Re. 2,270,8; Jan. 15.
- Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,397,617; Apr. 2.
- Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Protected blade and package. 2,406,242; Aug. 20.
- Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade package. 2,408,222; Sept. 24.
- Murphree, Eger V.: *See—*
Martin, Homer Z., Murphree, Gohr, and Graham.
- Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Apparatus for production of olefins and diolefins. 2,399,550; Apr. 30.
- Murphree, Eger V., Summit, and W. W. Waterman and A. D. Green, Cranford, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Manufacture of polymers. 2,395,901; Mar. 5.
- Murphy, Cornelius J., and W. P. Yant, assignors to Mine Safety Appliance Company, Pittsburgh, Pa. Breathing apparatus. 2,403,691; July 16.
- Murphy, Demery A.: *See—*
Morgan, John S., Jr., and Murphy.
- Murphy, Demery A., Torrance, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Rotary swivel. 2,394,800; Feb. 12.
- Murphy, Edward, Linden, N. J., assignor to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,399,561; Apr. 30.
- Murphy, George F., Milwaukee, Wis. Motor bicycle. 2,409,887; Oct. 22.
- Murphy, George M., assignor to The Jaeger Machine Company, Columbus, Ohio. Vibrating apparatus for the feeding chutes of concrete mixers. 2,398,549; Apr. 16.
- Murphy, James W. and J. P., Akron, Ohio. Sewing-machine accessory. 2,413,064; Dec. 24.
- Murphy, John P.: *See—*
Murphy, James W. and J. P.
- Murphy, Norman B., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Disconnect device. 2,399,821; May 7.
- Murphy, Ross F., Lansdale, Pa., assignor to The Electric Storage Battery Company. Storage battery plate. 2,401,435; June 4.
- Murphy, Thomas J., Stamford, Conn. Dry shaver. 2,395,495; Feb. 26.
- Murphy, Walter G., Los Angeles, and A. Kingsbacher, Pasadena, Calif. Rack. 2,402,768; June 25.
- Murphy, William H., executor: *See—*
De Lisle, Harold L.
- Murray, Alan E., Wilmington, Del. Shoemaking. 2,396,926; Mar. 19.
- Murray, Alan E., Wilmington, Del. Footwear. 2,404,084; July 16.
- Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Airtspaced photographic support. 2,400,365; May 14.
- Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic support. 2,400,366; May 14.
- Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Multicolor printing. 2,405,754; Aug. 18.
- Murray, Alexander, and J. A. C. Yule, assignors to Eastman Kodak Company, Rochester, N. Y. Photomechanical process. Re. 22,736; Mar. 26.
- Murray, Alexander, and J. A. C. Yule, assignors to Eastman Kodak Company, Rochester, N. Y. Photomechanical process. Re. 22,741; Apr. 2.
- Murray, Arthur G.: *See—*
Crowdery, William A., and Murray.
- Murray, August, La Branche, Mich. Saw set for buck saw blades. 2,401,264; May 23.
- Murray, Charles W., Glenside, Pa., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Insecticides. 2,396,019; Mar. 5.
- Murray Corporation of America, The, assignee: *See—*
Haberstump, Alfred H.
Fisher, Lyman C.
- Murray, D. J., Manufacturing Co., assignee: *See—*
Hartwig, Walter J.
Rosemalt, John A.
- Murray, Forrest F., and C. K. MacDonald, Brockton, Mass. Window drain and ventilator. 2,397,803; Apr. 2.
- Murray, Howard J.: *See—*
Bean, Roscoe D., and Murray.
- Murray Iron Works Company, assignee: *See—*
Tiemele, Walter E.
- Murray, Irvin L., Charleston, J. L. Marsh, South Charleston, W. Va., and S. P. Smith, Jr., Louisville, Ky., assignors to Carbide and Carbon Chemicals Corporation. Process for making butadiene. 2,405,741; July 9.
- Murray, Irvin L., Charleston, J. L. Marsh, South Charleston, W. Va., and S. P. Smith, Jr., Louisville, Ky., assignors to Carbide and Carbon Chemicals Corporation. Making butadiene. 2,403,742; July 9.

- Murray, John A., and G. H. Metzger, Toledo, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company. Treatment of organic solutions of formaldehyde-urea reaction products. 2,404,740; July 23.
- Murray, John J., Arlington, Mass. Printing plate. 2,397,285; Mar. 26.
- Murray, Lawrence J.: *See—*
Gillings, Charles, and Murray.
- Murray, Loyd D., and E. M. Gallo, San Francisco, Calif. Hat stretcher and former. 2,411,746; Nov. 26.
- Murray-Lucy-Marvosh Company, assignee: *See—*
Lucy, Otto H.
- Murray Manufacturing Corporation, assignee: *See—*
Murray, Thomas B., Phelps, and Frischmann.
- Murray, Otis W.: *See—*
Jennings, Andrew B., Murray, and White.
- Murray, Reginald M.: *See—*
Kranz, Walter M., and Murray.
- Murray, Thomas E., Southampton, G. H. Phelps, Floral Park, and G. Frischmann, Queens Village, N. Y.; said Murray assignor to Yarrum, Incorporated, and said Phelps and Frischmann assignors to Murray Manufacturing Corporation, Brooklyn, N. Y. Electric resistance welding. 2,403,229; July 2.
- Murray, Thomas F., Jr.: *See—*
Kenyon, William O., Murray, and Minsk.
- Murray, Thomas W., Dover, Del. Lifting jack device. 2,413,242; Dec. 24.
- Murtagh, Gilbert, Fort Washington, N. Y. Screw or threaded rod mounting. 2,410,299; Oct. 29.
- Murtagh, Hugh, Laleham-on-Thames, and J. A. Taylor, Kingsbury, England. Instrument for use on moving craft. 2,392,494; Jan. 8.
- Murtaugh, Joseph P.: *See—*
Daniels, Arthur W., and Murtaugh.
- Musebeck, George E., and F. P. Bennett, assignors to Musebeck Shoe Company, Danville, Ill. Picture projector. 2,405,706; Aug. 13.
- Musebeck Shoe Company, assignee: *See—*
Musebeck, George E., and Bennett.
- Musgrave, Herman: *See—*
Guerin, Paul R., and Musgrave.
- Musgrave, Howard G., Newton, and N. G. Olson, Boston, Mass. Index actuating mechanism. 2,406,098; Aug. 20.
- Musher Foundation Incorporated, assignee: *See—*
Musher, Sidney.
- Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Stabilizing sherbert compositions. 2,395,060; Feb. 19.
- Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Stabilizing ice-cream compositions. 2,395,061; Feb. 19.
- Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Lubricating oils. 2,408,090; Sept. 24.
- Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Preserving vitamin-containing oils. 2,410,455; Nov. 5.
- Muskat, Irving E.: *See—*
Strain, Franklin, Chenclek, and Muskat.
- Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Preparing molded compositions from unsaturated esters. 2,403,112; July 2.
- Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated derivatives of carbamic acid. 2,395,750; Feb. 26.
- Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Novel composition of matter. 2,399,285; Apr. 30.
- Muskat, Irving E., Glenside, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,399,286; Apr. 30.
- Muskat, Irving E., Glenside, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,399,287; Apr. 30.
- Muskat, Irving E., Glenside, Pa., and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,401,581; June 4.
- Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated carbonate ester and polymer thereof. 2,403,113; July 2.
- Muskegon Motor Specialties Company, assignee: *See—*
Gerlach, Carl A.
- Muskegon Piston Ring Company, assignee: *See—*
Scarff, Harold M.
Stenwall, Robert.
- Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Reclaiming used lubricating oils. 2,393,335; Jan. 22.
- Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Composition of matter suitable for use as a lubricant and lubricant comprising the same. 2,399,243; Apr. 30.
- Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Composition of matter suitable for use as a lubricant and lubricant comprising the same. 2,413,332; Dec. 31.
- Musselman, John M., South Euclid, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricants. 2,396,719; Mar. 19.
- Musselman, John M., South Euclid, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricants, etc. 2,413,183; Dec. 24.
- Musser, David M., Orange, N. J., assignor to Pacific Mills, Boston, Mass. Milledproofing. 2,403,945; July 16.
- Musser, David M., and H. C. Engel, Pittsburgh, assignors, by mesne assignments, to National Cotton Council of America, Memphis, Tenn. Pulp preparation and product thereof. 2,393,553; Jan. 22.
- Muter Company, The, assignee: *See—*
Sanders, Lloyd C.
- Mutual Citrus Products Co., Inc., assignee: *See—*
Leo, Herbert T., and Taylor.
- Mydans, William E., Cambridge, Mass. Ordnance powder bag. 2,405,104; July 30.
- Myers, Alvin H.: *See—*
Vinton, William U., and Myers.
- Myers, Arthur B., Butte Falls, Oreg. Power chain saw frame and jointing block therefor. 2,405,365; Aug. 6.
- Myers, Bernard L., Dallas, Tex. Sheave mounting. 2,407,032; Sept. 3.
- Myers, Charles H., East Orange, N. J. Identification device. 2,400,313; May 14.
- Myers, Claude G.: *See—*
Sachanen, Alexander N., O'Kelly, and Myers.
- Myers, Clayton S., Westfield, N. J., assignor to Bakelite Corporation. Antistatic composition. 2,393,863; Jan. 29.
- Myers, Clovis D., Ardentown, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovering the salt-forming components of nylon. 2,407,896; Sept. 17.
- Myers, Edward C., Wilmette, Ill. Cable. Re. 22,730; Mar. 5.
- Myers, Edward C., Winnetka, Ill. Fluid remote-control device. 2,394,252; Feb. 5.
- Myers, Fred D., Minneapolis, Minn., assignor to General Mills, Inc. Toy airplane. 2,397,364; Mar. 26.
- Myers, Frederick J.: *See—*
Robinson, Jack D., and Myers.
- Myers, Henry: *See—*
Cor, Joseph H., and Myers.
- Myers, John A., assignor of one-fourth to M. Johnson and four-eighths to F. Strech, Albany, N. Y. Flexible shockproof propeller. 2,398,033; Apr. 9.
- Myers, Kenneth G., Alexander, Iowa. Wagon, trailer, and implement tongue. 2,404,521; July 23.
- Myers, Latimer D., Cincinnati, and V. J. Muckerheide, Silverton, assignors to Emery Industries, Inc., Cincinnati, Ohio. Cutting oil base. 2,393,927; Jan. 29.
- Myers, Norval, Short Hills, N. J., assignor to Standard Oil Development Company. Isomerization process. 2,399,893; May 22.
- Myers, Oscar, Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,405,230; Aug. 6.
- Myers, Oscar, Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit maker and breaker. 2,406,028; Aug. 20.
- Myers, Oscar, Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secret signaling. 2,406,353; Aug. 27.
- Myers, Roy W., Akron, Ohio. Cooling system. 2,394,199; Feb. 5.
- Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Bearing support. 2,406,505; Aug. 27.
- Myers, Thomas R., Ramsey, N. J. Track shoe. 2,393,336; Jan. 22.
- Myers, Walter, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-guiding mechanism for sewing machines. 2,406,623; Aug. 27.
- Myers, William M., Fresno, Calif. Control valve. 2,395,420; Feb. 26.
- Myerson, Simon, Brookline, Mass. Temporary support for artificial teeth. 2,412,352; Dec. 10.
- Myerson, Simon, Brookline, Mass. Crown type tooth. 2,413,333; Dec. 31.
- Myhre, Conrad B.: *See—*
Monori, Emil, and Myhre.
- Myhren, Arne J., and E. W. Nelson, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Manufacture of zinc borate. 2,405,366; Aug. 6.
- Myhrman, George, McKeesport, Pa., assignor to National Tube Company. Tunnel furnace. 2,401,093; May 28.
- Myklestad, Nils O., Pasadena, Calif. Floating shock absorber. 2,410,992; Nov. 12.
- Myles, James R., and F. S. B. Jones, Northwich, England, assignors to Imperial Chemical Industries, Limited. Halogenated polymers of ethylene and preparation. 2,398,803; Apr. 23.
- Myles Salt Company, Limited, assignee: *See—*
Drake, John C.

- Myres, Magnus J., U. S. Army, Mexia, Tex. Detergent composition. 2,402,657; June 25.
- Nabenhauer, Fred P., Somerton, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. β -phenyl, β -alkyl isopropyl amines. 2,394,082; Feb. 5.
- Naber, George J.: See—
Anderson, William C., and Naber.
- Nabstet, Arthur T., Hamden, Conn., assignor to The Snow-Nabstet Gear Corporation. Clutch mechanism. 2,393,398; Jan. 22.
- Naccache, Albert, Beirut, Lebanon. Internal-combustion engine. 2,400,432; May 14.
- Nachemov, Leonard, assignor to Sossner Steel Stamps, New York, N. Y. Frection grinding wheel dressing device. 2,411,223; Nov. 19.
- Nachman, Joseph, Philadelphia, Pa. Sewing machine. 2,407,342; Sept. 10.
- Nachod, Henry J., East Orange, N. J. Apparatus for manufacturing silica glass. 2,398,952; Apr. 23.
- Nachtman, John S., Youngstown, Ohio. Apparatus for electroplating wire. 2,392,687; Jan. 8.
- Nachtman, John S., Youngstown, Ohio. Manufacture of ductile stainless clad rolled steel strip. 2,402,834; June 29.
- Nadeau, Elphege, Blackstone, Mass. Picker check. 2,399,562; Apr. 30.
- Nadon, Albert, Piedmont, Barraute, Abitibi, Quebec, Canada. Saw setting machine. 2,396,597; Mar. 12.
- Nador, Emory: See—
Roeder, Dale, and Nador.
- Naegele, John C., Upper Darby, Pa., assignor to Bendix Aviation Corporation, Teterboro, N. J. Measuring apparatus. 2,413,063; Dec. 24.
- Nagel, Charles F., Long Island City, N. Y., assignor to General Motors Corporation, Detroit, Mich. Straightening apparatus for strip material. 2,393,702; Jan. 29.
- Naftali, Valentine, Mount Vernon, N. Y. Making neckties. 2,404,981; July 30.
- Nagel, Charles H., Great Falls, Mont. Gynecological instrument. 2,400,251; May 14.
- Nagel, Henryk, Bronx, assignor to Practo Photo Accessories Corp., New York, N. Y. Coupling means for camera attachments. 2,401,307; June 4.
- Nagel, Hugo Wealdstone, and J. L. Crooks, Kingsway, London, W. C. 2, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 2,396,874; Mar. 19.
- Nagle, Theodore, Brooklyn, and H. D. Bliss, South Salem, N. Y.; said Bliss assignor to said Nagle. Oil burning equipment and controlling mechanism therefor. 2,403,230; July 2.
- Nagle, Wesley M.: See—
Batchelder, George W., Nagle, Vyverberg, and Willis Castner, James B., and Nagle.
- Nagle, William E., Highland Park, N. J. Rectal lubricating injector. 2,399,936; May 7.
- Nagy, Alexander, Lindenhurst, N. Y. Clothesline supporting device. 2,403,295; July 2.
- Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of mono-aryl melamines. 2,392,607; Jan. 8.
- Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing substituted melamines. 2,392,608; Jan. 8.
- Nagy, Valerie, Forest Hills, N. Y. Halter. 2,402,835; June 25.
- Nakken, Theodore H., New Haven, and R. L. Stone, Orange, assignors to The Soundsciber Corporation, New Haven, Conn. Vibration and shock mounting for fragile instruments. 2,397,804; Apr. 2.
- Nalle, George S., Jr., Austin, Tex. Top. 2,394,093; Feb. 5.
- Nallinger, Fritz, Stuttgart, and A. Friedrich, Stuttgart-Bad Cannstatt, Germany; vested in the Allen Property Custodian. Multiple motor driving mechanism for aircraft with adjustable propeller. 2,396,745; Mar. 19.
- Nameth, Louis S., Lakewood, assignor of thirty-three and one-third per cent to C. H. Sanborn and thirty-three and one-third per cent to L. A. Harvey, Ashtabula, Ohio. Shearing chisel. 2,392,495; Jan. 8.
- Nampa, George L., Royal Oak, assignor to M. E. Nampa, Detroit, Mich. Piston. 2,410,895; Nov. 12.
- Nampa, Matthew E., assignee: See—
Nampa, George L.
- Nampa, Sulo M., Detroit, Mich., assignor to Grade Crossing Guard Corporation, Memphis, Tenn. Air operated auto stop. 2,403,014; July 2.
- Namasi, Nicholas, New York, N. Y. Diamond design jewelry chain. 2,400,591; May 21.
- Nantz, Randolph D., Orange, Tex. Heat concentrating nozzle protector for heating, cutting, and welding torches, and the like. 2,404,590; July 23.
- Napier, D., and Son, Limited, assignee: See—
Crowder, Cecil L., and Churchill.
- Halford, Frank B., and Crowder, Wilson, Thomas S., and Zdanowich.
- Napier, James W.: See—
Arnold, Mervin V., and Napier.
- Napier, James W., assignor to Clement O. Dennis, Macon, Ga. Separate section abutment ring mold component for the recapping apparatus. 2,398,151; Apr. 9.
- Naples, Angelo, assignee: See—
Nardulli, Michael J.
- Naragon, Ernest A., Beacon, assignor to The Texas Company, New York, N. Y. Preparation of aromatic hydrocarbons from hydrocarbon mixtures. 2,404,591; July 23.
- Naragon, Ernest A., Beacon, assignor to The Texas Company, New York, N. Y. Preparation of aromatic hydrocarbons from hydrocarbon mixtures. 2,412,828; Dec. 17.
- Naragon, Jesse M., Steubenville, Ohio. Splint. 2,400,772; May 21.
- Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Landing gear actuator. 2,408,992; Oct. 8.
- Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Actuator unit for retractable landing gears. 2,408,993; Oct. 8.
- Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starting mechanism. 2,412,829; Dec. 17.
- Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Control device for hoisting mechanism. 2,406,156; Aug. 20.
- Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Electromagnetic apparatus. 2,411,800; Nov. 26.
- Nardulli, Michael J., assignor of one-half to A. F. Naples, Chicago, Ill. Venetian blind. 2,401,770; June 11.
- Narracott, Eric S.: See—
Fawcett, Eric W. M., and Narracott.
- Nash, Albert A., St. Louis, Mo. Adjustable support for concrete floor forms. 2,398,152; Apr. 9.
- Nash, Alfred G.: See—
Doyle, Irving W., Nash, and Stellwagen.
- Nash-Boulden, Stephen A., Santa Barbara, Calif., dedicated to the free use of the people in the territory of the United States. Stretcher pack saddle. 2,400,945; May 28.
- Nash, Herbert G., Kew Gardens, N. Y. Rotary gate valve. 2,408,223; Sept. 24.
- Nash, James, assignor to Eclipse Moulded Products Company, Milwaukee, Wis. Drafting triangle and the like. 2,401,265; May 28.
- Nash-Kelvinator Corporation, assignee: See—
Armstrong, George M.
Cossin, Hursle E.
Frohnapel, Alvah V.
Philipp, Clarence A.
- Nason, Howard K., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Molding cellulose ester compositions. 2,407,962; Sept. 17.
- Nassau Smelting & Refining Company, assignee: See—
Deltz, Louis S., Jr.
- Nassau Smelting & Refining Company, Incorporated, assignee: See—
Deltz, Louis S., Jr.
- Nassour, Edward, Los Angeles, Calif. Race recording system. 2,408,528; Oct. 1.
- Natelson, Samuel, B. Kramer, and R. Tekel, assignors to Jewish Hospital of Brooklyn Research Foundation, Brooklyn, N. Y. Organic acids. 2,400,433; May 14.
- Nathan Manufacturing Company, assignee: See—
Polke, Bengt E.
- National Acme Company, The, assignee: See—
Brown, Harry W.
Chrestoff, Christopher.
- Drissner, Alfred E.
- National Agrol Company, Inc., assignee: See—
Hale, William J., and Miller.
- National Airoil Burner Company, Incorporated, assignee: See—
Straitz, John F.
- National Antiseptics, Inc., assignee: See—
Frandsen, Lawrence.
- National Automatic Tool Company, Inc., assignee: See—
Schafer, Robert A.
- Schafer, Robert A., and Rodal.
- National Automotive Fibres, Inc., assignee: See—
Faris, Harold P., and White.
- National Bank of Bloomington, The, executor: See—
Paxton John W.
- National Biscuit Company, assignee: See—
Mercier, Harvey O.
- Tascher, Eugene S.
- Tascher, Eugene S., and Bazant.
- National Blank Book Company, assignee: See—
Schade, John.
- National Brass Company, assignee: See—
Quigley, Herbert, and Ter Meer.
- National Branch & Machine Company, assignee: See—
Austin, Donald D.
Drummond, Robert S.
Mentley, Max B.

- National Carbon Company, Inc., assignee: *See*—
Glover, Roland L.
Skinner, George M.
Willford, Edward A.
- National Cash Register Company, The, assignee: *See*—
Chollar, Robert G.
Compton, Justin S.
Compton, Justin S., and Mumma.
Cone, James H., and Mumma.
De Rosa, Louis A.
Desch, Joseph R., and Kilheffer.
Desch, Joseph R., and Mumma.
Grimes, William C.
Mumma, Robert E.
Mumma, Robert E., and Bucher.
Puterbaugh, Russel V., and W. H. Robertson, William H.
- National Cotton Council of America, assignee: *See*—
Musser, David M., and Engel.
- National Cylinder Gas Company, assignee: *See*—
Choulnard, Alfred F.
Mott, Chester, and Wallace.
- National Dairy Products Corporation, assignee: *See*—
Atwood, Francis C.
Rainard, Leo W.
- National Distillers Products Corporation, assignee: *See*—
Fette, Ellis C.
- National Electronics Corporation, assignee: *See*—
Sherman, Floyd A.
- National Equipment Co., assignee: *See*—
Mathers, Stephen P.
- National Fireworks, Inc., assignee: *See*—
Davis, Tenney
Westervelt, John R., Jr.
- National Foam System, Inc., assignee: *See*—
Hogenmiller, Francis J., Boyd, and Boerner.
Urguhart, George G.
- National Folding Box Company, assignee: *See*—
Fink, Raymond E.
Pantalone, Vincent R.
Williamson, Marshall I., and Carruth.
- National Gypsum Company, assignee: *See*—
Hessman, William.
- National Inventions Corporation, assignee: *See*—
Boucher, Charles P.
- National Lead Company, assignee: *See*—
Agnew, William Y.
Alessandroni, Hugh V., and Sterk.
Cole, Sandford S., and Meister.
Dittmer, Joseph C.
Hoepfel, Raymond W.
Keblich, Leonard M.
Keblich, Leonard M., and Peterson.
Larsen, Delmar H.
O'Shaughnessy, James M.
Stewart, Alexander, Pitrot, and Keblich.
- National License Plate Corporation, assignee: *See*—
Ducey, Roger H.
- National Lock Co., assignee: *See*—
North, Edwin W., and Stone.
- National Lock Washer Company, The, assignee: *See*—
Holleran, Dominic J., and Cerny.
Schunk, Joseph.
- National Machinery Company, The, assignee: *See*—
Friedman, John H.
- National Malleable and Steel Castings Company, assignee: *See*—
Buckius, Albert O.
Kashubeck, Archwood J., Spence, and Eler.
Shafer, James A.
- National Oil Products Company, assignee: *See*—
Buxton, Loran O.
Buxton, Loran O., and Konec.
Grupelli, Logan D.
Dryden, Charles E., and Buxton.
Miskel, John J.
Price, Donald.
Price, Donald, and Griffith.
Price, Donald, and Sprules.
Robinson, Edwin A., and Beach.
Robinson, Edwin A., and De Castro.
Rossiter, Laurence E., and Beach.
Segeßmann, Ernest.
- National Pectin Products Company, assignee: *See*—
Armbrust, Christopher J.
- National Plastic Products Company, The, assignee: *See*—
Winer, Ephraim.
- National Plastics, Inc., assignee: *See*—
Van Deventer, Christopher.
- National Pneumatic Company, assignee: *See*—
Bassett, Cyrus W.
- National Pressure Cooker Company, assignee: *See*—
Wittenberg, Edward H.
- National Research Corporation, assignee: *See*—
Hayes, Norman.
- National Ring Traveler Company, assignee: *See*—
Wentworth, Philip C.
- National Rubber Machinery Company, assignee: *See*—
Mageskurth, Wilhelm A., and Buecken.
- National Simplex-Bludworth, Inc., assignee: *See*—
Blaisdell, Willard C.
Bludworth, Timothy F.
- National Smelting Company, The, assignee: *See*—
Bonsack, Walter.
- National-Standard Company, assignee: *See*—
Berquist, Leonard G.
- National Steel Corporation, assignee: *See*—
Case, Irvin L.
Glush, Daniel P., and Clauss.
Gold, John D., and Foulke.
Hallick, William A., and Gordon.
Helst, Charles H.
Frum, General S.
Rieger, Ernest W., and Klein.
Selmi, Luciano G., and Altenburger.
Starr, Hugh O.
- National Superior Company, The, assignee: *See*—
Morgan, John S., Jr., and Murphy.
- National Supply Company, assignee: *See*—
Kelley, Theron R.
- National Supply Company, The, assignee: *See*—
Archer, Merton T.
Bishop, James O., and Babcock.
Hanners, Harvey W.
Murphy, Demery A.
Stevenson, Lawrence J., and Babcock.
- National Tool Company, assignee: *See*—
Schmidt, Lionel A.
- National Tube Company, assignee: *See*—
Bednar, Joseph J., and Peck.
Chuedinst, William O.
Dunn, Jerry J.
Jones, George H.
Luze, Charles C., and Duncan.
Mumma, Paul F., and Thornton.
Myrman, George.
Nesbitt, Andrew B., and Webb.
Nielsen, Peer D.
Wright, Edwin C.
- National Union Radio Corporation, assignee: *See*—
Beld, Perry.
- National Urn Bag Co. Inc., assignee: *See*—
Irmischer, Hans O.
- National Venders, Inc., assignee: *See*—
Fry, Benjamin W.
- Nauert, Carl H., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerating apparatus. 2,407,721; Sept. 17.
- Naugler, Walter E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun charging mechanism. 2,411,934; Dec. 3.
- Naujoks, Rudolph and W. Los Angeles, Calif. Resonator for musical instruments. 2,400,592; May 21.
- Naujoks, William: *See*—
Naujoks, Rudolph and W.
- Nault, Joseph, Maynard, Mass. Shock absorber on sweep arm for picker motion looms. 2,413,643; Dec. 31.
- Naumann, Herbert O., Englewood, N. J., assignor to North American Rayon Corporation, New York, N. Y. Adjustable yarn tension device. 2,397,153; Mar. 26.
- Naumann, Herbert O., Englewood, N. J., assignor to North American Rayon Corporation, New York, N. Y. Apparatus for the manufacture of synthetic yarn. 2,410,456; Nov. 5.
- Naumann, Herbert O., Englewood, N. J., assignor to North American Rayon Corporation, New York, N. Y. Manufacture of synthetic yarn. 2,410,673; Nov. 5.
- Navy, Haiml, Brooklyn, N. Y. Combination umbrella and cape. 2,412,415; Dec. 10.
- Navy, United States of America, as represented by the Secretary of, assignee: *See*—
Bertram, Sidney.
Brannin, James V.
Busacker, John W.
Busacker, John W., and Teresl.
Carpenter, Theodore H.
Falk, George E.
Good, Walter A.
Hammond, John H., Jr.
Henderson, Joseph E., and Janes.
Purington, Ellison S.
Riley, Joseph F.
Rosett, Walter.
Silent, Harold C.
Trenor, Albert D.
Wiener, Francis M., and Wallace.
- Navy, United States of America, as represented by the Secretary of, assignee: *See*—
Nichols, Harry J.
Nawoj, Edward J.: *See*—
Nesset, Naurence M., and Nawoj.
- Naylor, Beatrice: *See*—
Clothier, William C., Naylor, and Dunning.
- Naylor, Elmer M., assignee, et al.: *See*—
Eklund, Howard J.
Naylor, Joshua C.: *See*—
Holden, Warwick C., and Naylor.
- Naymirth, Shirley R., assignor to The Miller Company, Meriden, Conn. Fluorescent lighting equipment. 2,395,008; Feb. 19.
- Nazzaro, Rocco, Glen Rock, N. J. Apparatus for treating fabrics with liquid. 2,405,665; Aug. 13.
- Nazzwski, Mathew: *See*—
Brooks, Lester A., and Nazzwski.

- Neal, Arthur M., Wilmington, Del., and E. M. Sturgis, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of heavy metal salts of dithiocarbamic acids. 2,406,960; Sept. 3.
- Neal, Charles M., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Oil circulating spindle. 2,410,888; Oct. 29.
- Neale, Dory J., Topeka, Kans. Clamp for platform pulley blocks. 2,410,630; Nov. 12.
- Nealon, Patrick J., Lakewood, Ohio. Measuring instrument. 2,399,288; Apr. 30.
- Neander, Oscar, assignee: See—Sherman, Fred A.
- Nebel, Richard W., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of cellulosic organic acid esters. 2,395,421; Feb. 26.
- Nedblake, Greydon W.: See—Norden, Ray H., and Nedblake.
- Nedela, Stephen W., Flint, Mich. Machine guide attachment for scales. 2,402,658; June 25.
- Needham, Donald P., and J. Stussl, assignors to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,403,296; July 2.
- Needham, Harry T.: See—Barneby, Herbert L., and Needham.
- Needham, John C., assignor to Evershed & Vignoles Limited, Chislehurst, London, England. Electrical follow-up device. 2,403,874; July 9.
- Neelds, Abram R.: See—Klopstock, Hans, and Neelds.
- Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Frame construction for seely structures. 2,399,563; Apr. 30.
- Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Upholstered spring construction. 2,407,933; Sept. 17.
- Neff, Edward A., Chicago, Ill. Parachute pack opening device. 2,413,368; Dec. 31.
- Neff, Joseph: See—Brown, Walter J., and Neff.
- Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heinz, Inc., Cleveland, Ohio. Measuring instrument. 2,397,190; Mar. 26.
- Neff, Wallace, Los Angeles, Calif. Storage tank and constructing same. 2,413,243; Dec. 24.
- Neff, Willard M., Dayton, Ohio. Bomb rack. 2,392,400; Jan. 8.
- Negel, Günter: See—Orlich, Peter, Negel, Hartz.
- Negovan, Albert, Chicago, Ill., E. R. Stratton, and W. C. Roggie, assignors to Baker-Roos, Inc., Indianapolis, Ind. Shore. 2,405,321; Aug. 6.
- Negrin, Johannes, assignor of one-half to J. F. L. Negrin, Cottingham, England. Green house structure. 2,393,055; Jan. 15.
- Negrin, Johannes F. L.: See—Negrin, Johannes.
- Negus, Frank G., assignor to Aqua-Electric Corporation, Ltd., Halifax, Nova Scotia, Canada. Apparatus for purifying liquids. 2,399,289; Apr. 30.
- Nehring, Emil A., Elmore, Minn. Combined stacker and loader. 2,402,071; June 11.
- Nehrke, Charles, New York, N. Y., assignor to Revlon Products Corporation. Case for lipstick and the like. 2,402,072; June 11.
- Neighbour, Leonard B., Moline, and F. A. Thomann, East Moline, assignors to Deere & Company, Moline, Ill. Wheeled vehicle. 2,397,429; Mar. 26.
- Nellan, Thomas J., assignee: See—Padva, Philip.
- Nelld, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile voltage regulator. 2,405,514; Aug. 6.
- Nells, Charles E., assignor of one-tenth to J. R. Flor, Lakapour, Calif. Jar lifting device. 2,397,682; Apr. 2.
- Nells, Gerhard F., Kilkittat, Wash. Knot sealing machine. 2,392,827; Jan. 15.
- Nell, Frederic, assignor to Landis Machine Company, Waynesboro, Pa. Thread cutting mechanism. 2,403,015; July 2.
- Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Instant recycling time delay relay. 2,396,523; Mar. 12.
- Nelson, Albert, Chicago, Ill., assignor to American Brake Shoe Company, Wilmington, Del. Clenching apparatus. 2,398,590; Apr. 16.
- Nelson, Alex E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Metal forming machine. 2,407,573; Sept. 10.
- Nelson, Arnold J., Washington, D. C. Flying time indicator. 2,394,901; Feb. 12.
- Nelson, Arthur J., San Mateo, Calif. Self-priming centrifugal pump. 2,400,434; May 14.
- Nelson, Averd, and H. H. Niemann, assignors to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Manual support. 2,403,823; July 9.
- Nelson, Bernard C., Norwood, Mass. Machine for treating skins and the like. 2,407,380; Sept. 10.
- Nelson, Clarence L., Minneapolis, Minn. Device for maintaining film loops. 2,407,795; Sept. 17.
- Nelson, Clarence P., Chicago, Ill. Dust seal for adjoining railroad cars. 2,403,473; Oct. 1.
- Nelson, Claude A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,411,747; Nov. 26.
- Nelson, Claude A., and J. N. Good, Wilmerding, and A. B. De Salard, Wilksburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake apparatus. 2,402,434; June 18.
- Nelson, David G., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Selecting device. 2,394,200; Feb. 5.
- Nelson, Donald E.: See—Okress, Ernest C., Nelson, and Retherford.
- Nelson, Donald M., and H. W. Rockwell, assignors to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Oil tank. 2,596,927; Mar. 19.
- Nelson, Earl W.: See—Myhren, Arne J., and Nelson.
- Nelson, Eleanor K.: See—Nelson, Wilbur A., and E. K.
- Nelson, Evan H.: See—Francis, Victor J., and Nelson.
- Nelson, Evan H., Harrow Weald, and J. Whittemore, Wembley, England, assignors to General Electric Company. Lead in seal structure. 2,400,946; May 28.
- Nelson, Fred N., Seattle, Wash., assignor to Safety Boat Company, Boat. 2,397,683; Apr. 2.
- Nelson, Fred N., assignor to Safety Boat Company, Seattle, Wash. Flush ventilator. 2,397,684; Apr. 2.
- Nelson, Fred N., assignor to Safety Boat Company, Seattle, Wash. Floating naval base and harbor. 2,408,871; Oct. 8.
- Nelson, George D., Los Angeles, Calif. Pencil-like implement. 2,411,975; Dec. 3.
- Nelson, Harold R., Detroit, Mich. Polishing wheel and cement therefor. 2,408,946; Oct. 8.
- Nelson, Harry H., assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Venetian blind structure. 2,393,399; Jan. 22.
- Nelson, Harry H., assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Hold-down bracket. 2,402,769; June 25.
- Nelson, Herbert, Bloomfield, N. J., assignor to Radio Corporation of America. Making long life secondary electron emitters. 2,393,803; Jan. 29.
- Nelson, Homer B., U. S. Navy. Limited torque coupling. 2,412,630; Dec. 17.
- Nelson, Jennings, St. Paul, Minn. Razor blade holder. 2,404,141; July 16.
- Nelson, John C.: See—Clemmons, John E., and Nelson.
- Nelson, Joseph F., Elizabeth, and A. B. Small, Roselle, N. J., assignors to Standard Oil Development Company. Solution polymerization process. 2,400,129; May 14.
- Nelson, Martin L., Park Ridge, and A. M. Roberts, assignors to The American Perforator Company, Chicago, Ill. Check-endorsing and sorting machine. 2,412,830; Dec. 17.
- Nelson, Neil A.: See—Fox, Joseph E., Nelson, and Quincy.
- Nelson, Nels H., Minneapolis, Minn. Dirigible airship. 2,406,302; Aug. 20.
- Nelson, Philip R., and R. C. Phillips, Los Angeles, Calif. Dispensing device. 2,400,435; May 14.
- Nelson, Raymond A., Deerfield, Ill. Computing apparatus. 2,412,416; Dec. 10.
- Nelson, Reuben A., Sligo Park Hills, and W. O. Smith, Silver Spring, Md. Support for filament assemblies. 2,410,993; Nov. 12.
- Nelson, Richard C., Clearwater Beach, assignor to Essential Oil Producers, Inc., Dunedin, Fla. Treatment of hydrophilic material and product. 2,412,282; Dec. 10.
- Nelson, Richard E., assignor to Universal Development Company, Spokane, Wash. Rivet. 2,406,157; Aug. 20.
- Nelson, Roland D., Hales Cornes, assignor to Line Material Company, South Milwaukee, Wis. Three-phase transformer. 2,398,109; Apr. 9.
- Nelson, Roland D., Hales Cornes, assignor to Line Material Company, South Milwaukee, Wis. Three phase transformers. 2,411,104; Nov. 12.
- Nelson, Seaton C., Front Royal, Va. assignor to American Viscose Corporation, Wilmington, Del. Multiple twister and doubler. 2,410,674; Nov. 5.
- Nelson, Ted, assignee: See—Perrin, William W.
- Nelson, Ted, San Leandro, Calif. Chuck. 2,402,256; June 18.
- Nelson, Ted, San Leandro, Calif. Stud for welding. 2,402,659; June 25.
- Nelson, Ted, San Leandro, Calif. Insulation stud. 2,412,744; Dec. 17.
- Nelson, Ted, San Leandro, Calif. Stud welding machine. 2,413,189; Dec. 24.
- Nelson, Walter B., Fargo, N. D., and L. A. Pazandak, Minneapolis, Minn. assignors to Newday Seeds Inc., Fargo, N. D. Seed stripper. 2,412,002; Dec. 3.
- Nelson, Wilbur A., and E. K., Los Angeles, Calif. Beverage mixer and cooler. 2,400,773; May 21.
- Nelson, William B., Jackson Heights, and J. Johnson and H. Dyrre, Brooklyn, N. Y., and S. R. Bell, Stamford, Conn., assignors to P. M. Shelley, Basking Ridge, N. J. Bottle cap forming and sealing machine. 2,401,499; June 4.

- Nelson, William G., Jr.: *See*—
Schmidhuber, Ludwig Nelson, and Hill.
- Nemeth, Stephan P., Chicago, Ill. Pitch control means for sustaining rotors. 2,404,522; July 23.
- Nemeyer, Roland O., assignor to California Institute Research Foundation, Pasadena, Calif. Aligning device for tools. 2,407,845; Sept. 17.
- Nenninger, Lester F., and F. A. Hassman, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Control mechanism for milling machines. 2,393,928; Jan. 29.
- Nenninger, Lester F., and F. A. Hassman, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Knee actuating mechanism for milling machines. 2,402,290; June 18.
- Nepheline Products Limited, assignee: *See*—
Nicholson, Clifford M.
- Neptune Meters Limited: *See*—
Stroud, William F.
- Nerlinger, Ludwig F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of cadmium yellow pigments. 2,406,472; Aug. 27.
- Nesbitt, Andrew B., and S. Webb, Pittsburgh, Pa., assignors to National Tube Company. Severing tool. 2,410,355; Oct. 29.
- Ness, Harold J., Nutley, N. J., assignor to Metallurgical Processes Co. Metallurgical furnace. 2,394,002; Feb. 5.
- Ness, Theodore N.: *See*—
Blankenship, Norwood, and Ness.
- Ness, Walter E.: *See*—
Lacey, Harold T., and Ness.
- Nesset, Naauric M., Glenview, and E. J. Nawoj, Chicago, assignors to Baxter Laboratories, Inc., Glenview, Ill. Preparation of sterile tubing sets. 2,399,137; Apr. 23.
- Nesson, Israel, Lynn, assignor to J. Zaiger, Swampscott, Mass. Connector for windshield wiper arms. 2,404,523; July 23.
- Nesterowicz, John J., Buffalo, assignor to Van Raalte Company, Inc., New York, N. Y. Controlling textile machines. 2,400,837; May 21.
- Nestlen, Howard: *See*—
Kallas, Danos H., Cizek, and Nestlen.
- Nesty, Glenn A.: *See*—
Crowder, John A., Kise, and Nesty.
- Nesty, Glenn A., Syracuse, and W. C. Klingelhofer, Baldwinville, assignors to The Solvay Process Company, New York, N. Y. Production of styrene and butadiene. 2,400,774; May 21.
- Netherly, George P.: *See*—
Palmquist, P. V., Cross, and Netherly.
- Netherton, Truman H., assignee: *See*—
Gauldin, Robert A.
- Nettel, Frederick: *See*—
Kreitner, Johann, and Nettel.
- Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Air expansion power system. 2,394,253; Feb. 5.
- Nettel, Friedrich, New York, N. Y. Combustion engine and process. 2,396,524; May 12.
- Nettel, Friedrich, Tokyo, Japan; vested in the Allen Property Custodian. Operation and regulation of combustion turbines. 2,410,457; Nov. 5.
- Nettlesheim, Peter W., Chicago, Ill. Bed lamp. 2,406,029; Aug. 20.
- Nettleship, Nell, San Diego, Calif. Baby holder and carrier. 2,411,331; Nov. 19.
- Netzhammer, Harry F.: *See*—
Corbin, Fred A., and Netzhammer.
- Neuberg, Carl A., New York, and I. S. Roberts, Fieldston, assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Manufacturing invertase preparations. 2,406,624; Aug. 27.
- Neuberg, Carl A., New York, and I. S. Roberts, Fieldston, N. Y. Production of glycerin from sugar by yeast fermentation. 2,410,518; Nov. 5.
- Neuenburg, John F., Red Cloud, Nebr. Lighter flint. 2,396,114; Mar. 5.
- Neufeld, Jacob, Tulsa, Okla. Navigational method and apparatus. 2,412,003; Dec. 3.
- Neufeld, Jacob, Tulsa, Okla., assignor to Engineering Laboratories, Incorporated, Tulsa, Okla. Method and apparatus for seismic prospecting. 2,395,289; Feb. 19.
- Neufeld, Jacob, assignor to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for investigation of cased drill holes. 2,400,593; May 21.
- Neufeld, Leonard C., assignor to Pol-Dee Seat Company, Des Moines, Iowa. Child's toilet seat. 2,411,137; Nov. 12.
- Neugass, Edwin A., Port Chester, N. Y. Tweezer implement and the like. 2,406,393; Aug. 27.
- Neuhart, Andrew, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Registering sheets. 2,406,847; Sept. 3.
- Neuhart, Frederick C., Shidler, Okla., assignor to Phillips Petroleum Company. Apparatus for heating catalyst chambers. 2,394,631; Feb. 12.
- Neuhart, Frederick C., Shidler, Okla., assignor to Phillips Petroleum Company. Nondestructive hydrocarbon conversion. 2,405,097; July 30.
- Neuhaus, Elmer C.: *See*—
Bartelheim, Leland A., and Neuhaus.
- Neuhaus, Elmer C., Chicago, and C. W. Verrill, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming and assembling articles. 2,409,147; Oct. 8.
- Neuhaus, Max, Bronxville, assignor to The Texas Company, New York, N. Y. Isomerizing hydrocarbons. 2,404,649; July 23.
- Neuhaus, William, Neillsville, Wis. Door knocker. 2,405,916; Aug. 13.
- Neuhor, Maurice K., New York, N. Y. Submarine detecting buoy. 2,395,679; Feb. 26.
- Neulander, Pauline L., assignee: *See*—
Elam, Richard L.
- Neumair, Joseph A.: *See*—
Johnson, Carl W., and Neumair.
- Neumann, George R., St. Clair Shores, and E. F. Farrell, Grosse Point Woods, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Offset inlet port for supercharging. 2,393,703; Jan. 29.
- Neumann, Gustave L.: *See*—
McCoy, Abram A., and Neumann.
- Neumann, Heinrich, C. Bukowski, and R. Ramshorn, Munich, E. Spiegel, Berlin-Charlottenburg, and H. Tonn, Berlin-Treptow, Germany; vested in the Allen Property Custodian. Aircraft engine cowling. 2,396,598; Mar. 12.
- Neumann, Henry T., New York, N. Y. Treating motion picture film. 2,398,804; Apr. 23.
- Neumann, Henry T., New York, N. Y., assignor of one-third to L. G. Arpin, Montclair, N. J., and one-third to E. G. B. H. Jackson Heights, N. Y. ACRYLIC resins. 2,406,558; Aug. 27.
- Neumann, William, Queens Village, N. Y. Combination air filter and silencer. 2,398,322; Apr. 9.
- Neumann, William A., Rego Park, N. Y. Stuffing box. 2,403,873; May 14.
- Neville, Don O., and A. L. Plantz, Pocahontas, Iowa. Manure loader. 2,402,908; June 25.
- Nevins, Samuel L., Little Rock, Ark., N. F. Albertson, Columbus, Ohio, and J. S. Gilliam, Shreveport, La., assignors to Southern Acid and Sulphur Co., Inc., St. Louis, Mo. Extraction of sulphur from gases. 2,403,451; July 9.
- New, Archibald A., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric insulating material. 2,401,266; May 28.
- New, Winston R., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,411,552; Nov. 26.
- Newall, Archibald P., Glasgow, Scotland. Power-driven bar-swaging machine. 2,410,742; Nov. 5.
- Newark Engineering Company, assignee: *See*—
Fridén, John H.
- Newark Store Company, assignee: *See*—
Beck, Bjorn O.
- Newbern, Lucy M., Greene, Iowa. Electric fence insulator. 2,398,847; Apr. 23.
- Newbery, George, Hutton Mount, near Brentwood and A. C. B. H. Hornchurch, assignors to May & Baker Limited, Dagenham, Essex, England. Soluble amidine salts. 2,394,003; Feb. 5.
- Newbery, George, Brentwood, and A. P. T. Eason, Hornchurch, assignors to May & Baker Limited, Dagenham, Essex, England, a British company. Soluble amidine salts. 2,410,796; Nov. 5.
- Newbery, Stanley, London, England. Electric master switches or electrical timing devices for controlling the operations of laundry or other plants or apparatus. 2,403,392; July 2.
- Newbold, Park L., Cedar Rapids, Iowa. Hog trap. 2,408,872; Oct. 8.
- New Britain Machine Company, The, assignee: *See*—
Rockwell, Edward A.
- New Castle Products, assignee: *See*—
Shearer, William A., Shepard, and Watkins.
- Newcomb, Philip P., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Locking means for threaded members. 2,397,325; Mar. 26.
- Newcombe, Frank A.: *See*—
Richardson, Henry K., Newcombe, and Laidig.
- Whitmore, James B., Makenny, and Newcombe.
- Newcomer, Jacob R., Jr., Middle River, and C. E. Adreon, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Tool holder. 2,395,751; Feb. 26.
- Newday Seeds Inc., assignee: *See*—
Nelson, Walter N., and Pazandak.
- Newell, Arthur T., Huntington, assignor to Kenyon Instrument Co., Inc., Huntington Station, N. Y. Pressure actuated switch. 2,391,916; Jan. 1.
- Newell, Heber L., Bridgeport, Conn., assignor to General Electric Company. Electric heater. 2,393,182; Jan. 15.
- Newell, Heber L., Bridgeport, Conn., assignor to General Electric Company. Control system. 2,394,399; Feb. 5.
- Newell, Heber L., Bridgeport, Conn., assignor to General Electric Company. Control device. 2,403,824; July 9.
- Newell, Wallace L., Seattle, Wash. Raising sunken vessels. 2,412,417; Dec. 10.
- Newell, William H.: *See*—
Poitras, Edward J., Tear, and Newell.
- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Control mechanism. 2,400,776; May 21.

- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Irreversible drive. 2,402,073; June 11.
- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Torpedo data computer. 2,403,542; July 9.
- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Gunfire control computer. 2,403,544; July 9.
- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Gunfire control computer. 2,403,544; July 9.
- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Electrical follow-up. 2,405,045; July 30.
- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Motion reproducing mechanism. 2,405,046; July 30.
- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Sight control mechanism. 2,405,047; July 30.
- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Variable speed device. 2,412,468; Dec. 10.
- New England Lime Company, assignee: *See—*
- Loomis, Chauce C., and Anderson.
- New-Era Walls, Limited, assignee: *See—*
- Williams, Francis A.
- Newey, Daniel H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Socket assembly. 2,398,848; Apr. 23.
- Newhall, Almer M., Jr.: *See—*
- Drieschman, Donald F., Shepherd, Rabinawitz, Newhall, and Sorg.
- Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tack hanging mechanism. 2,400,130; May 14.
- New Holland Machine Company, assignee: *See—*
- Noit, Edwin B.
- Newhouse, Russell C., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aircraft blind landing system. 2,405,231; Aug. 6.
- New Jersey Fence Company: *See—*
- Farrell, Frank J.
- New Jersey Zinc Company, The, assignee: *See—*
- Boyle, Edward J., and Anderson.
- Edmunds, Gerald H.
- Fetterolf, Luther D.
- Myhren, Arne J., and Nelson.
- Price, Willis M.
- Rodda, John L.
- Waring, Robert K.
- Newkirk, Daniel L., Inkster, and E. E. Ensign, Ypsilanti, assignors to Ford Motor Company, Dearborn, Mich. Processing kiln. 2,404,950; July 23.
- Newkirk, Thomas A., Fairfield, Ohio. Band switch mechanism for transmission lines. 2,391,917; Jan. 1.
- Newman, Claude, Lincoln, Nebr. Display card. 2,401,177; May 28.
- Newman, Edwin B., and J. Miller, Cambridge, Mass. Noise shield for transmitter mouth-pieces. 2,408,474; Oct. 1.
- Newman, Eric P., Clayton, assignor to Automatic Control Corporation, St. Louis, Mo. Burner control. 2,407,438; Sept. 10.
- Newman, George W., Kansas City, Mo. Pocketknife. 2,407,897; Sept. 17.
- Newman, Herman M., Great Neck, N. Y. Frame or mount. 2,395,191; Feb. 19.
- Newman, L. & Sons, Inc., assignee: *See—*
- Kispert, Joseph J.
- Newman, Max M., New York, N. Y. Necktie form. 2,402,291; June 18.
- Newman, Max M., New York, N. Y. Sewing machine needle. 2,409,445; Oct. 15.
- Newman, Max M., and V. M., New York, N. Y. Collar. 2,411,385; Nov. 19.
- Newman, Milton, Philadelphia, Pa. Warp knitted pile rug. 2,396,525; Mar. 12.
- Newman, Morris, Minneapolis, Minn. Electrostatic precipitator apparatus. 2,397,197; Mar. 26.
- Newman, Ruth R., assignee, et al.: *See—*
- Pomeroy, Roy J.
- Newman, Strother M., assignor of one-half to J. A. Clem, III, Staunton, Va. Tape applying machine. 2,392,609; Jan. 8.
- Newman, Thomas P.: *See—*
- Zinkl, Roy E., and Newman.
- Newman, Victor M.: *See—*
- Newman, Max M., and V. M.
- Newman, William D.: *See—*
- Wilson, Edwin A., and Newman.
- Newman, William J., assignor to The Gardner-Richardson Company, Middletown, Ohio. Carrying means for containers. 2,397,880; Apr. 2.
- Newmark, David, and W. Kramer, New York, N. Y. Producing balsam slices. 2,409,785; Oct. 22.
- Newmark, Joseph M., New York, N. Y. Socket for pressure gauges. 2,392,057; Jan. 1.
- Newman, Eugene N., Los Angeles, assignor to M. N. Felker, doing business as Felker Manufacturing Co., Torrance, Calif. Thin abrasive wheel. 2,394,326; Feb. 5.
- Newport, Alba, Kokomo, Ind. Hand truck. 2,406,158; Aug. 20.
- New Products Corporation, assignee: *See—*
- Banker, Oscar H.
- Newton, Alvin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,394,714; Feb. 12.
- Newton, Alvin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Radiation heating and cooling system. 2,396,338; Mar. 12.
- Newton, Alvin B., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Adjustment means for control devices. 2,402,435; June 18.
- Newton, Howard L.: *See—*
- Merker, Herman, and Newton.
- Newton, John A., and N. Hoertz, assignors to Thompson Products, Inc., Cleveland, Ohio. Shaft bearing assembly. 2,406,891; Sept. 3.
- Newton, Lawrence W.: *See—*
- Johnston, Franklin, and Newton.
- Newton, Lowell R.: *See—*
- Walter, Charles T.
- Newton, Norman B., and R. Fenema, assignors to Crane Co., Chicago, Ill. Valve. 2,406,243; Aug. 20.
- Newton, Roger H., Bowling Green, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Production of aviation gasoline. 2,406,394; Aug. 27.
- Newton, William, Notre Dame de Grace, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Testing apparatus. 2,401,954; June 11.
- New Wrinkle, Inc., assignee: *See—*
- Waldie, William A.
- New York Air Brake Company, The, assignee: *See—*
- Baldwin, James A.
- Durrett, Wayne J.
- Huber, Matthew W.
- Pickert, Lynn I.
- Sidduth, Henry N.
- New York & Brooklyn Casket Co., assignee: *See—*
- Zaiser, William.
- Neyzi, Ahmet H., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Amplifier coupling device. 2,405,515; Aug. 6.
- Niagara Blower Company, assignee: *See—*
- Deverall, Charles N.
- Stutz, Robert C.
- Niagara Machine & Tool Works, assignee: *See—*
- Munschauer, Edwin A., Jr.
- Nicaro Nickel Company, assignee: *See—*
- Brogdon, Van Hubert.
- Hills, Robert C.
- Hills, Robert C., and Dufour.
- Nichol, Arthur V., Elkins Park, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Device for use with helically-wound coils. 2,406,961; Sept. 3.
- Nichol, Frederick W., assignor to International Business Machines Corporation, New York, N. Y. Typewriter demonstrator. 2,392,256; Jan. 1.
- Nichol, Margaret A., New Wilmington, Pa. Overflow stopper for sinks and the like. 2,394,094; Feb. 5.
- Nicholl, Leonard: *See—*
- Bitler, William P., and Nicholl.
- Filisk, Alvin C., Nicholl, and Bitler.
- Kesslin, George, and Nicholl.
- Nicholl, Leonard, Nyack, and W. P. Bitler, Haverstraw, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Triethylene glycol dibenzoate. 2,412,469; Dec. 10.
- Nicholls, Malcolm B., assignor to The J. H. Day Company, Cincinnati, Ohio. High-speed sifter. 2,395,138; Feb. 19.
- Nicholls, Richard S.: *See—*
- Compton, Walter A., and Nicholls.
- Nicholls, Richard S., assignor to Miles Laboratories, Inc., Elkhart, Ind. Production of mono-calcium citrate. 2,396,115; Mar. 27.
- Nichols, Adelbert P., Jr., Johnson County, Kans. Dehydrator. 2,410,675; Nov. 5.
- Nichols, Bertie, assignor to Robert S. Miller and Harold L. Grubman, Los Angeles, Calif. Shoulder pad. 2,402,292; June 18.
- Nichols, Charles R.: *See—*
- Pearson, John M., and Nichols.
- Nichols, Charles R., Jr., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Pencil machine. 2,405,367; Aug. 6.
- Nichols, Charles R., Jr., Jersey City, N. J., and R. H. Simpson, Steden Island, N. Y., assignors to Joseph Dixon Crucible Company, Jersey City, N. J. Machine for making hollow rivets. 2,403,297; July 2.
- Nichols, Charles W., West Orange, N. J. Incinerating apparatus. 2,402,436; June 18.
- Nichols, Charles W., West Orange, N. J., assignor to C. W. Nichols, Jr., New York, N. Y. Furnace construction. 2,412,057; Dec. 3.
- Nichols, Charles W., Jr., assignee: *See—*
- Nichols, Charles W.
- Nichols, Florence: *See—*
- Hindle, Alfred E.

- Nichols, Harry J., Washington, D. C., assignor to the United States of America, as represented by the Secretary of the Navy. Spotting projectiles. 2,409,380; Oct. 15.
- Nichols, Peter L., Jr.: *See*—
Hamilton, Robert M., and Nichols.
- Nichols, Peter L., Jr., and R. M. Hamilton, Philadelphia, Pa., assignors to United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Preparation of starch ethers. 2,405,973; Aug. 20.
- Nichols, Peter L., Jr., Philadelphia, P. E. Meiss, Port Washington, and E. Yanovsky, Philadelphia, assignors to United States of America as represented by the Secretary of Agriculture. Preparing soluble allyl starch. 2,413,463; Dec. 31.
- Nichols, Ralph G.: *See*—
Morey, William E., and Nichols.
- Nicholson, Charles A., U. S. Navy. Arresting mechanism for aircraft. 2,399,244; Apr. 30.
- Nicholson, Clifford M., Ottawa, Ontario, assignor to Nepheline Products Limited, Toronto, Ontario, Canada. Production of lithium compounds. 2,413,644; Dec. 31.
- Nicholson, Edward W. S., and A. K. Redcay, Baton Rouge, La., assignors to Standard Oil Development Company. Desulfurization of hydrocarbon oils. 2,409,690; Oct. 22.
- Nicholson, Frank H., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Code detecting means. 2,403,744; July 9.
- Nicholson, James C., Davis, Calif. Siphon tube. 2,393,867; Jan. 29.
- Nicholson, Madison G., Jr., assignee: *See*—
Carlson, Robert W., and Nicholson.
- Nicholson, Madison G., Jr., Snyder, assignor to Colonial Radio Corporation, Buffalo, N. Y. Push-button control of signal seeking receivers. 2,394,869; Feb. 12.
- Nicholson, Madison G., Jr., Snyder, assignor to Colonial Radio Corporation, Buffalo, N. Y. Time delay apparatus. 2,401,094; May 28.
- Nicholson, T. Buford, assignee: *See*—
Clarkson, William P.
- Nickerson, Winfield T., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. 2,405,048; July 30.
- Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Fluorescent zinc oxide. 2,408,475; Oct. 1.
- Nicodemus, Clarence, Chauvin, Alberta, Canada. Tractor drawn freight hauling car. 2,405,161; Aug. 6.
- Nicolaus, Frank G.: *See*—
Breithner, Robert H., Seiden, Breitenstein, and Nicolaus.
- Nicoll, Frederick H., Princeton, N. J., assignor to Radio Corporation of America. Nonreflective film. 2,410,300; Oct. 29.
- Nicolls, Wilfrid E. W.: *See*—
Ifield, Richard J., and Nicolls.
- Niebusch, Ruth, assignee: *See*—
Seaton, Robert K.
- Niederhauser, Robert J.: *See*—
Spiller, William A., and Niederhauser.
- Niederl, Joseph B., V. Niederl, and M. E. McGreal, Brooklyn, N. Y. N-benzyl-n-alkyl morpholinium compounds. 2,406,892; Sept. 3.
- Nield, Leslie C., Glossop, assignor to Tootal Broadhurst Lee Company Limited, Manchester, England. Web feeding device. 2,402,074; June 11.
- Nielsen, Clayton P., assignor to Mid-States Equipment Company, Chicago, Ill. High-frequency arc welder. 2,395,062; Feb. 19.
- Nielsen, Emanuel, and A. W. Seyfried, Racine, Wis., assignors to Scovill Manufacturing Company, Waterbury, Conn. Motor driven food mixer. 2,405,707; Aug. 13.
- Nielsen, Gordon A., Piedmont, Calif. Steel rack. 2,398,153; Apr. 9.
- Nielsen, James S., Stow, Ohio, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Die. 2,402,530; June 25.
- Nielsen, James S., Stow, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Apparatus for forming sheet metal. 2,410,676; Nov. 5.
- Nielsen, James S., Stow, and C. B. Mitchell, Akron, Ohio, assignors to Goodyear Aircraft Corporation. Metal bending and stretching. 2,411,801; Nov. 26.
- Nielsen, Peer D., Lorain, Ohio, assignor to National Tube Company. Apparatus for reversing furnaces. 2,397,365; Mar. 26.
- Nielsen, Peter: *See*—
Taylor, Ernest W., and Nielsen.
- Niemann, Frederick A., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Device for distribution of accounts. 2,397,685; Apr. 2.
- Niemann, Frederick A., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill. Key responsive calculating machine. 2,402,569; June 25.
- Niemann, Harold H.: *See*—
Nelson, Averd, and Niemann.
- Nienaber, Joseph C., Cincinnati, Ohio. Wrist watch strap. 2,400,594; May 21.
- Niederl, Victor: *See*—
Niederl, Joseph B. and V., and McGreal.
- Niere, Herman, St. Louis, Mo. Poultry feeder. 2,406,432; Aug. 27.
- Nies, William L., Wheaton, Ill. Stroboscopic apparatus for phonographs. 2,407,996; Sept. 24.
- Niessen, Paul F., Canal Fulton, and A. R. Cox, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Making cellular rubber articles. 2,394,327; Feb. 5.
- Nieuwenhuis, Henry, Kalamazoo, Mich. Perforate bulldozing table, gratory movement, with lateral impact. 2,412,905; Dec. 17.
- Nightbart, George E.: *See*—
Kearick, Walter S., and Nightbart.
- Nightingale, William J., Oak Park, Ill., assignor of one-half to G. C. Bruen. Chucking and driving device. 2,399,290; Apr. 30.
- Nigro, Henry, Torrington, Conn., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Wire coiling machine. 2,393,804; Jan. 29.
- Nihon, Alexis, Dorval, Quebec, Canada. Picture frame or the like. 2,408,994; Oct. 8.
- Nihon, Alexis, Dorval, Quebec, Canada. Venetian blind. 2,413,464; Dec. 31.
- Niles-Bement-Pond Company, assignee: *See*—
Drake, Alden M.
Jaeger, Jacob J.
- Niles, Joseph B., Chicago, Ill., assignor to Thomas J. Dee & Co. Apparatus for electrolytic treatment. 2,398,110; Apr. 9.
- Nilles, Philip C., and J. A. Steffen, Chicago, Ill. Auxiliary air furnishing device. 2,410,125; Oct. 29.
- Nilson, Frederick W., Worcester, Mass. Automatic direction indicator. 2,407,934; Sept. 17.
- Nilsson, Left, Westerleigh, Staten Island, N. Y., and S. J. Finch, Rahway, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Welding jig. 2,402,178; June 18.
- Nilsson, Axel E., Gustavsburg, Sweden. Separator for dust or other solid impurities. 2,396,526; Mar. 12.
- Nilsson, Sten A.: *See*—
Ahlberg, Curt F., and Nilsson.
- Nimetz, Gertrude, Rego Park, assignor to G. H. and E. Freyberg, Inc., New York, N. Y. Garment insert. 2,399,564; Apr. 30.
- Niss, Roy T., and O. E. Bowls, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Electrical control system. 2,409,581; Oct. 15.
- Nineteen Hundred Corporation, assignee: *See*—
Geldhof, Peter E., and Ringer.
- Ninol Development Co., assignee: *See*—
Rosenthal, Nina K.
Nisbet, Thomas D., Rocky River, Ohio. Fluid pump. 2,405,322; Aug. 6.
- Nisenson, Jules, assignor to Publix Metal Products, Inc., New York, N. Y. Venetian blind cord-locking construction. 2,408,333; Sept. 24.
- Nisewanger, Arrol R., and F. W. Brown, Pittsburgh, Pa., assignors to the Government of the United States, as represented by the Secretary of the Department of Interior. Electronic chronoscope for measuring rates of detonation. 2,395,902; Mar. 5.
- Nissen, Ulrich, Berlin-Hiermsdorf, Germany; vested in the Alien Property Custodian. Extrusion press. 2,392,336; Jan. 8.
- Nissenbaum, Moses D., Brooklyn, assignor, by mesne assignments to General Hardware Mfg. Co. Inc., New York, N. Y. Drill case. 2,403,825; July 9.
- Nitralloy Corporation, The, assignee: *See*—
Partiot, Maurice.
- Nitterauer, Frank D., Minneapolis, Minn., assignor to American Telephone and Telegraph Company. Signaling system. 2,397,881; Apr. 2.
- Nitzberg, Benjamin, Baltimore, Md. Pictorial display device. 2,401,436; June 4.
- Niven, Charles D., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Heating system for refrigerator cars. 2,393,808; Jan. 29.
- Nixon, Alan C.: *See*—
Davis, Orris L., and Nixon.
- Nixon, Alan C., Oakland, and D. L. Yabroff, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Treating hydrocarbons. 2,411,105; Nov. 12.
- Nixon, Ivor G., Ewell, England, assignor to Shell Development Company, San Francisco, Calif. Production of aviation gasoline. 2,404,452; July 23.
- Nixon, Jeddly D., New Braunfels, Tex. System and apparatus for flowing wells. 2,405,323; Aug. 6.
- Nixon, Jeddly D., New Braunfels, Tex. Systems of and apparatus for flowing wells. 2,405,324; Aug. 6.
- Noack, Walter G., assignor to Aktiengesellschaft Brown, Boveri & Cie. Baden, Switzerland. Firing arch for furnaces. 2,396,875; Mar. 19.
- Noack, Walter G., assignor to Aktiengesellschaft Brown, Boveri & Cie. Baden, Switzerland. Apparatus for removing slag from furnaces. 2,399,884; May 7.
- Noble, Frank G., Houston, Tex., assignor to Standard Oil Development Company. Recovering volatile hydrocarbons from gases. 2,409,691; Oct. 22.
- Noble, Glenn S., assignee: *See*—
Freeman, Alpheus J.

- Noble, Le Isle D., Maple Heights, A. H. Stanton, Jr., Shaker Heights, and J. G. Jergens, Warrenville Heights, Ohio; said Jergens assignor to said Noble and said Stanton. Machine tool. 2,396,281; Mar. 12.
- Noble, Lilly F. S., assignee: *See*—
Noble, Warren.
- Noble, Robert H., Wharton, N. J. Applicator. 2,403,016; July 2.
- Noble, Sidney H., Harrow Weald, and H. P. Rooksby, Wealdstone, England, assignors to General Electric Company. Activated electrode. 2,394,095; Feb. 5.
- Noble, Thomas W., Detroit, Mich. Thermoplastic coating. 2,394,254; Feb. 5.
- Noble, Warren, Washington, D. C., assignor to Lilly F. S. Noble, Garden City, N. Y. Composite slab sheet or plate. 2,391,997; Jan. 1.
- Noblitt, Quintin G., and E. Ludlow, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Rear-view mirror mounting. 2,393,056; Jan. 15.
- Noblitt-Sparks Industries, Inc., assignee: *See*—
Rooth, Earl C.
- Noblitt, Quintin G., and Ludlow.
- Nobs Chemical Company, assignee: *See*—
Akeyson, Swan M., and Stockham.
- Noddin, George A.: *See*—
Burrows, Lawton A., and Noddin.
- Noder, Herman O.: *See*—
Martin, Joseph F., Jr., and Noder.
- Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Projection lamp. 2,392,828; Jan. 15.
- Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp adapter. 2,394,468; Feb. 5.
- Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Discharge device. 2,393,111; Apr. 9.
- Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Base for electric lamps and similar devices. 2,401,228; May 28.
- Noel, Edward B., Cleveland Heights, and A. W. Seltz, Euclid, Ohio, assignors to General Electric Company. Multiflash lamp device. 2,408,470; Oct. 1.
- Noel, William A., Washington, D. C., assignor to the United States of America, as represented by the Secretary of Agriculture. Delydrating means containing fats in a fluid current. 2,406,395; Aug. 27.
- Noeffinger, Charles A.: *See*—
Quattlebaum, William M., Jr., and Noeffinger.
- Noguera, Joseph, Prestwich, Manchester, assignor to Casabiancas High Draft Company Limited, Manchester, England. Bobbin holder. 2,408,674; Oct. 1.
- Noland, Albert C.: *See*—
Howard, James, Jr., and Noland.
- Noland, Thomas T.: *See*—
Nygaard, Edwin M., and Noland.
- Noland, Thomas T., and E. M. Nygaard, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Diesel fuels. 2,392,610; Jan. 8.
- Noles, Sidney O., Portland, Oreg. Making artificial eyes. 2,394,400; Feb. 5.
- Noll, Henry D.: *See*—
Payne, John W., Noll, and Kalichevsky.
- Nolt, Edwin B., Ephrata, assignor to New Holland Machine Company, New Holland, Pa. Hydraulically controlled baler. 2,396,720; Mar. 19.
- Noonan, John, St. Louis, Mo., assignor to D. H. Finke, Chicago, Ill. Counter. 2,406,962; Sept. 3.
- Nootens, Julian H., Chicago, Ill., assignor to United States Gypsum Company. Insulating bat. 2,409,951; Oct. 22.
- Norcor Manufacturing Company, Inc., assignee: *See*—
Maurer, Anton A.
- Norcross, Thomas, Erdington, Birmingham, assignor to Dunlop Rubber Company Limited, London, England. Tire repairing apparatus. 2,399,937; May 7.
- Nord, Eric T., assignor to U. S. Automatic Corporation, Amherst, Ohio. Milling machine. 2,402,179; June 18.
- Nord, Evan W., and C. J. F. Hohbauer, assignors to U. S. Automatic Corporation, Amherst, Ohio. Adapter for grinding form tools. 2,395,139; Feb. 19.
- Nord, Friedrich F., Bronx, N. Y. Glycol esters and producing same. 2,403,876; July 9.
- Nordberg Manufacturing Company, assignee: *See*—
Froehlich, Kurt.
- Norblows, Henry H.
- Nordene, Ray H., and G. W. Nedblake, North Kansas City, assignors to Package Service Company, Kansas City, Mo. Tape dispenser. 2,400,776; May 21.
- Norlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Resinous products from furfuryl alcohol and making the same. 2,399,055; Apr. 23.
- Nordlund, Karl F., Ostertalje, Sweden. Steam generator. 2,408,017; July 2.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Blank feeding mechanism. 2,395,496; Feb. 26.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Feeding device. 2,395,497; Feb. 26.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Coating machine. 2,395,903; Mar. 5.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Liquid filling machine. 2,405,232; Aug. 6.
- Nordstrom, Carl E., Evanston, assignor to Teletype Corporation, Chicago, Ill. Metal cutting tool. 2,410,896; Nov. 12.
- Nordstrom, Sven J., Lafayette, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve closure. 2,398,444; Apr. 16.
- Norgaard, Donald E., Schenectady, N. Y., assignor to General Electric Company. Cathode ray apparatus. 2,407,898; Sept. 17.
- Norin, Allan A., assignor to Gaylord Products Incorporated, Chicago, Ill. Hair curler. 2,403,992; July 16.
- Norkin, Morris, assignor to Marvel Slide Fastener Corporation, New York, N. Y. Bridge stops for slide fasteners and apparatus for making the same. 2,397,037; Mar. 19.
- Norlander, Birger W.: *See*—
Agens, Maynard C., and Norlander.
- Norman, Charles R., Jr.: *See*—
Huntzicker, Harry N., and Norman.
- Norman, Ernest B., New Orleans, La. Coupling nozzle for air gases guns. 2,403,678; July 9.
- Norman, George, assignor to Spalding Knitting Mills, Griffin, Ga. Knitting method and machine. 2,408,807; Oct. 8.
- Norman, George, assignor to Spalding Knitting Mills, Griffin, Ga. Seamless stocking. 2,408,440; Oct. 1.
- Norman, Horace M., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Electrical indicator. 2,403,839; June 11.
- Norris, Richard O., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Beta-amino, beta-propyl glutaronitriles and preparing them. 2,409,061; Oct. 8.
- Norris, Victor H., Bremerton, Wash. Closure operating mechanism. 2,400,568; May 21.
- Norris, W. C., Manufacturer, Incorporated, assignee: *See*—
Norton, Joseph R.
- Norrmann, Ernst, Delavan, Wis., assignor to George W. Borg Corporation, Chicago, Ill. Frequency divider. 2,410,389; Oct. 29.
- North, Dwight O., Cranbury, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,403,244; June 24.
- North, Edwin W., and R. A. Stone, assignors to National Lock Co., Rockford, Ill. Furniture handle. 2,407,763; Sept. 17.
- North Electric Manufacturing Company, The, assignee: *See*—
McBerty, Frank R.
- North, Gerald C., A. J. Alton, and L. Little, assignors to Beatrice Creamery Company, Chicago, Ill. Composition. 2,392,995; Jan. 15.
- North, Gerald C., Evanston, and A. J. Alton, assignors to Beatrice Creamery Company, Chicago, Ill. Dairy process. 2,392,401; Jan. 8.
- North, Gerald C., Evanston, and A. J. Alton, assignors to Beatrice Creamery Company, Chicago, Ill. Dairy product. 2,399,565; Apr. 30.
- North American Aviation, Inc., assignee: *See*—
Baldwin, Herbert W.
- Broadston, James A., and Sprague, Chapman, James E., and Bussiere, Chester, Arthur C.
- Day, Luther F.
- Gillum, Donald E., and Gallant, Henriksen, Knut.
- Keller, Philip B., and Jelinek, Olmure, Duane C.
- Snow, William H., and Brengman, Torresen, Carl T.
- Villepigue, Julius G.
- North American Manufacturing Company, The, assignee: *See*—
Sladky, Charles E.
- North American Phillips Company, Inc., assignee: *See*—
Beers, John R.
- Garretson, Harry D.
- Shore, Sidney X.
- North American Rayon Corporation, assignee: *See*—
Nauman, Herbert O.
- North British Rubber Company Limited, assignee: *See*—
Johnston, Alexander.
- North Equipment Company, assignee: *See*—
Schleider, Harold A.
- Northern Metal Products Company, assignee: *See*—
Anstedt, Paul.
- Northrup, Elmer H., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Formyl-acetic ester. 2,394,255; Feb. 5.
- Northrup Aircraft, Inc., assignee: *See*—
Ashkenas, Irving L.
- Northrup, John K.
- Northrup, John K., and Sears, Orman, William R.
- Pavlecka, Vladimir H.
- Pavlecka, Vladimir H., and Northrup, Phelan, Arthur J., and Pavlecka, York, Jones O., and Winslow.
- Northrup, John K.: *See*—
Pavlecka, Vladimir H., and Northrup.

- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. All-wing airplane. 2,406,506; Aug. 27.
- Northrop, John K., Los Angeles, and W. R. Sears, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Tailless aircraft. 2,412,646; Dec. 17.
- Northrop, John K., Los Angeles, and W. R. Sears, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Aircraft. 2,412,647; Dec. 17.
- Northrup, Harold B., Johnstown, N. Y. Garment. 2,393,258; Jan. 22.
- Northrup, Harold B., Johnstown, N. Y. Garment. 2,393,259; Jan. 22.
- Northway, Herbert S., Helsby, near Warrington, assignor to British Insulated Cables Limited, Prescott, Lancashire, England. Lacquer. 2,402,437; June 18.
- Norton, Arthur J., Wells, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa. Production of laminated stock bonded with a dihydroxy benzene aldehyde resin. 2,398,388; Apr. 16.
- Norton, Charles W., West Orange, N. J., assignor to Ralph C. Coxhead Corporation, New York, N. Y. Typewriter for justifying lines. 2,405,974; Aug. 20.
- Norton, Chester H., Katonah, N. Y. Trundle basket. 2,409,786; Oct. 22.
- Norton Company, assignee: *See*—
- Belden, Albert G., Flygare, and Hill.
- Carlson, Carl A.
- Coes, Loring, Jr.
- Flygare, Carl G.
- Green, Clarence J.
- Indge, Herbert A. S.
- Kistler, Samuel S.
- Silven, Herbert A.
- Van der Pyl, Edward, and Upper.
- Norton, Francis J., Schenectady, N. Y., assignor to General Electric Company. Production of water-repellent materials. 2,412,470; Dec. 10.
- Norton, James F.: *See*—
- Snyder, Jacob R., and Norton.
- Norton, John R., West Hartford, Conn. Bearing. 2,404,084; July 16.
- Norton, John S., Shoemaker, assignor of one-half to K. Spencer, San Francisco, Calif. Anchor. 2,402,202; June 18.
- Norton, Joseph R., assignor to W. C. Norris, Manufacturer, Incorporated, Tulsa, Okla. Pumping mechanism. 2,404,524; July 23.
- Norton, Lowell E., Princeton, N. J., assignor to Radio Corporation of America. Direction finder. 2,398,551; Apr. 16.
- Norton, Lowell E., Princeton, N. J., assignor to Radio Corporation of America. Direction finder. 2,398,552; Apr. 16.
- Norton, Lowell E., Collingswood, N. J., assignor to Radio Corporation of America. Automatic gain control. 2,406,433; Aug. 27.
- Norton, Orlo C., Erie, Pa. Blower for handling desiccated material. 2,408,675; Oct. 1.
- Norton, Robert L., Burlingame, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Apparatus and method for making tubes. 2,403,745; July 9.
- Norton, Samuel H.: *See*—
- Kerwin, John M., and Norton.
- Norton, Samuel H., Cleveland, Ohio, assignor to Thompson Products, Inc. Making hollow valves. 2,392,175; Jan. 1.
- Norton, Samuel H., assignor to Thompson Products, Inc., Cleveland, Ohio. Valve seat insert assembly and assembly method and means. 2,406,963; Sept. 3.
- Norton, Wendell P., Jr., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for cutting variable-width grooves in cutter teeth. 2,394,469; Feb. 5.
- Norton, William G., Memphis, Tenn. Gang rip saw. 2,399,822; May 7.
- Norvig, Axel, Brooklyn, Conn. Garment for animals. 2,408,575; Oct. 1.
- Norvig, Axel, Brooklyn, Conn., assignor to St. Regis Paper Company, New York, N. Y. Closure for valves of bags. 2,397,198; Mar. 26.
- Norwalk Lock Company, assignee: *See*—
- Greenberg, Henry, and O'Connell.
- Norway, Harold L., Evanston, assignor to The Bastian Blessing Co., Chicago, Ill. Gas dispensing device. 2,400,569; May 21.
- Norway, Harold L., Evanston, assignor to The Bastian Blessing Co., Chicago, Ill. Liquefied petroleum gas dispensing system. 2,400,570; May 21.
- Norwine, Andrew C., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in two-way signaling systems. 2,392,496; Jan. 8.
- Norwood, Stanley M., Great Neck, N. Y., assignor to Electro Metallurgical Company. Welding. 2,405,066; Aug. 13.
- No-Sac Spring Company, assignee: *See*—
- Krakauer, Abraham.
- Mayer, Louis T.
- Mouw, Andrew.
- Noske, Rudolf, San Carlos, Calif. Optical sighting instrument. 2,400,252; May 14.
- Notman, Clarence A., assignor of one-half to C. Bowles, Detroit, Mich. Fountain brush. 2,409,952; Oct. 22.
- Notterman, George F., assignee, et al.: *See*—
- Goza, Charles.
- Novak, Izador J., Trumbull, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Compounding of buna S with blown oils. 2,402,909; June 25.
- Novak, Izador J., Trumbull, Conn., and J. N. Kuznick, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Plastic composition. 2,402,910; June 25.
- Novak, Izador J., Trumbull, Conn., and J. N. Kuznick, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Plastic composition. 2,402,911; June 25.
- Novak, Robert L., Devon, Conn., assignor to General Electric Company. Remote-control system. 2,406,848; Sept. 3.
- Novak, Stephen T., United States Army, Dayton, Ohio. Safety plug. 2,403,452; July 9.
- Novelart Manufacturing Company, assignee: *See*—
- Von Hartmann, Evelyn.
- Novex Corporation, assignee: *See*—
- Chambers, Worthy L.
- Novi Equipment Company, assignee: *See*—
- Weich, Harry W.
- Novick, Abe, South Orange, assignor to Lewel Manufacturing Co., Inc., Newark, N. J. Brassière slip. 2,406,849; Sept. 3.
- Novick, William, Brooklyn, N. Y. Soap holding brush. 2,408,676; Oct. 1.
- Noviks, Bers, and C. A. Valo, assignors to Transradio Internacional, Compañía Argentina de Telecomunicaciones, Sociedad Anonima, Buenos Aires, Argentina. Frequency variation response circuit. 2,393,400; Jan. 22.
- Novotny, Emil E., North Wales, and G. K. Vogelsang, La Mont, assignors to Durite Plastics, Incorporated, Philadelphia, Pa. Distillation products of acylated shell liquids and making same. 2,401,095; May 28.
- Novotny, Emil E., Prospectville, G. K. Vogelsang, La Mont, and E. E. Novotny, assignors to Durite Plastics, Incorporated, Philadelphia, Pa. Thermosetting polyvinyl compositions. 2,402,075; June 11.
- Novotny, Ernest E.: *See*—
- Novotny, Emil E., Vogelsang, and Novotny.
- Novy, Frank E., Cleveland, Ohio. Power transmission device. 2,398,849; Apr. 23.
- Novy, Loretta, St. Louis, Mo. Garment. 2,396,117; May 5.
- Novy, Loretta, assignor to Weil-Kalter Manufacturing Company, St. Louis, Mo. Slip. 2,412,530; Dec. 10.
- Nowak, Leon J., Jr.: *See*—
- Williams, Ralph E., and Nowak.
- Nowatius, Joseph, Elmhurst, assignor to Etched Products Corporation, Long Island City, N. Y. Apparatus for removing matter from surfaces of etched plates. 2,392,176; Jan. 1.
- Nowlen, James P., Wilmington, Del., and M. F. Torrence, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanizing neoprene. 2,402,837; June 25.
- Noxon, Paul A., Tenañy, assignor to Bendix Aviation Corporation, Bendix, N. J. Cabin pressure control. 2,398,116; May 5.
- Noxon, Paul A., Tenañy, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Compass system. 2,399,885; May 7.
- Noyes, Hazel A., Marlborough, Mass. Treating plant products. 2,395,493; Feb. 26.
- Noyes, Hazelhurst R., Los Angeles, Calif. Propeller. 2,403,946; July 16.
- Noyes, John, Jr., and M. L. Darggett, Jr., University City, Mo., assignors to Cuthers-Wright Corporation. Airplane control surface. 2,401,790; June 11.
- Nubend Plywood Corporation, assignee: *See*—
- Thommen, William H.
- Nuckey, Percy, and R. J. Scott, London, England. Baths combined or associated with lavatory basins. 2,395,752; Feb. 26.
- Nu Dell, Arthur A., Chicago, Ill. Plastic grater. 2,413,151; Dec. 24.
- Nu Dell, Arthur A., Chicago, Ill. Toy house. 2,413,152; Dec. 24.
- Nudenberg, Walter, Chicago, Ill., assignor to United States of America as represented by the Secretary of Agriculture. 3,6-epoxy cyclohexene. 2,405,267; Aug. 6.
- Nuffer, Joseph H., Toledo, Ohio, and L. H. Latta, Los Angeles, Calif., assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner. 2,404,244; July 16.
- Nugent, Frederick V., Abington, assignor to B. B. Chemical Co., Boston, Mass. Activating compositions. 2,402,975; July 2.
- Nugent, Frederick V., Abington, assignor to B. B. Chemical Co., Boston, Mass. Adhesive activation. 2,405,602; Aug. 13.
- Nundy, Richard, Penn. Wolverhampton, England. Machine for washing plates, dishes, and other articles used for meals. 2,395,009; Feb. 19.
- Nunn, Elizabeth T., Cleveland, assignor of one-half to J. C. Corcoran, Rocky River, Ohio. Garment. 2,406,893; Sept. 3.

Nu Pocket Method Co., The, assignee: *See*—
Falk, Irving M.

Nusbaum, Mortimer, Alton, Ohio. Exercising and
assignment device. 2,393,339; Mar. 12.

Nusbaum Electric Limited, assignee: *See*—
Starnes, James R.

NuTone, Incorporated, assignee: *See*—
Waltman, Chauncey E.

Nutt, Albert B., Lakewood, Ohio, assignor to Forest City
Products, Inc., Cleveland, Ohio. Mounting and display
cards. 2,403,746; July 9.

Nutt, Harold, assignor to Borg-Warner Corporation, Chi-
cago, Ill. Friction clutch. 2,406,244; Aug. 2.

Nutt, Harold, assignor to Borg-Warner Corporation, Chi-
cago, Ill. Clutch plate. 2,403,441; Oct. 1.

Nuttall, Dave E.: *See*—
Griffin, Ira L., Truax, and Nuttall.

Nuttall, Norman H.: *See*—
Griffin, Ira L., Truax, and Nuttall.

Nutting, Arthur, assignor to American Air Filter Com-
pany, Inc., Louisville, Ky. Dust arrester liquid level
control. 2,403,545; July 8.

Nutter, Howard S., and H. Horsley, assignors to The
Dow Chemical Company, Midland, Mich. Azeotropic
distillation of aliphatic hydrocarbons having the for-
mulas C_2H_6 and C_2H_4 from hydrocarbon mixtures
comprising same. 2,408,947; Oct. 8.

Nutzell, William C.: *See*—
Sanford, Selden B., and Nutzell.

Nyberg, Curt E., Chicago, Ill., assignor to J. F. Barnes,
as trustee. Container. 2,409,692; Oct. 22.

Nyberg, William, Duluth, Minn. Toilet seat. 2,392,544;
Jan. 8.

Nydegger, Max, assignee: *See*—
Hayhurst, Thomas S.

Nyden, Robert, Manhasset, assignor to F. N. Burt Com-
pany, Inc., Buffalo, N. Y. Closure. 2,398,593; Apr. 16.

Nyden, Robert, Manhasset, assignor to F. N. Burt Com-
pany, Inc., Buffalo, N. Y. Closure. 2,398,554; Apr. 16.

Nye, James H.: *See*—
Labin, Emil, and Nye.

Nye, Norman H., assignor to The Vaughn Machinery
Company, Cuyahoga Falls, Ohio. Loader for draw
benches. 2,395,290; Feb. 19.

Nye, Norman H., assignor to The Vaughn Machinery Com-
pany, Cuyahoga Falls, Ohio. Dimension indicating and
control device. 2,402,293; June 18.

Nye, Norman H., Cuyahoga Falls, and W. E. Rogers, Stow,
assignors to The Vaughn Machinery Company, Cuya-
hoga Falls, Ohio. Wire reeling mechanism. 2,407,899;
Sept. 17.

Nye Tool & Machine Works, The, assignee: *See*—
Matter, Albert J.

Nye, William M., assignor, by mesne assignments, to
Kirsten Pipe Company, Seattle, Wash. Automatic
steering of marine vessels. 2,401,771; June 11.

Nygaard, Christ, Alameda, Calif. Screw holding attach-
ment for screw drivers. 2,399,138; Apr. 23.

Nygaard, Edwin M.: *See*—
Noland, Thomas T., and Nygaard.

Nygaard, Edwin M., Woodbury, N. J., assignor to Socony-
Vacuum Oil Company, Incorporated. Preparation of
nitrolic acids and pseudonitroles. 2,401,267; May 28.

Nygaard, Edwin M., Woodbury, N. J., assignor to Socony-
Vacuum Oil Company, Incorporated. Production of
nitrolic acids and pseudonitroles. 2,401,268; May 28.

Nygaard, Edwin M., J. H. McCracken, and N. H. Ham-
ilton, Woodbury, N. J., assignors to Socony-Vacuum Oil
Company, Incorporated. Diesel fuel. 2,392,611; Jan. 8.

Nygaard, Edwin M., and T. T. Noland, Woodbury, N. J.,
assignors to Socony-Vacuum Oil Company, Incorporated.
Unsaturated dinitro compounds and preparation
thereof. 2,396,282; Mar. 12.

Nygaard, Edwin M., Woodbury, N. J., and T. T. Noland,
Richmond, Ky., assignors to Socony-Vacuum Oil Com-
pany, Incorporated. Preparation of nitrolic acids and
pseudonitroles. 2,401,269; May 28.

Nygren, Carl, assignor to Mechana Products Corporation,
Michigan City, Ind. Stuffing box for water-cooled shafts.
2,413,645; Dec. 31.

Nygren, Joseph W., Naugatuck, Conn., assignor to United
States Rubber Company, New York, N. Y. Carboy and
assembling. 2,410,179; Oct. 29.

Nyhuis, Bert, Kankakee, assignor to Bear Brand Hosiery
Co., Chicago, Ill. Knitting method and apparatus.
2,405,162; Aug. 6.

Nyhus, Theodore J., Crane Valley, Saskatchewan, Canada.
Door locking device. 2,403,993; July 16.

Nyquist, Frederick W., St. Paul, Minn. Speed indicator.
2,399,448; Apr. 30.

Nysewander, Cecil W.: *See*—
Krusse, Willard E., Nysewander, and Bolt.

Sutton, Mack, and Nysewander.

Nysewander, Cecil W., Highland, and N. Fragen, Ham-
mond, Ind. Assignor to Standard Oil Company, Chi-
cago, Ill. Isomerization of light naphtha. 2,395,680;
Feb. 26.

Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee,
Wis. Railroad car truck bolster. 2,392,292; Jan. 1.

Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee,
Wis. Freight car door stop. 2,413,575; Dec. 31.

O. & F. Company Proprietary Limited, assignee: *See*—
Friedlander, Erwin F.

Oak Manufacturing Co., assignee: *See*—
Mastney, Edward J., and Williams.

Oakes, William, Hale, England. Fabric for concrete con-
struction. 2,406,559; Aug. 27.

Oakley, Eugene H.: *See*—
Fratris, Joseph E., and Oakley.

Oakley, John, assignor to Perkins Machine and Gear
Company, Springfield, Mass. Operating mechanism.
2,395,789; Feb. 26.

Oakley, Sterling A., Lincolnwood, Ill., assignor, by mesne
assignments, to Ex-Cell-O Corporation. Grinding ap-
paratus. 2,411,052; Nov. 12.

Oaks, Harold H.: *See*—
Fratt, Wilber, and Oaks.

Obecny, John T., Los Angeles, Calif. Work holder.
2,400,314; May 14.

Obenshain, Noel, and W. M. Welton, Piedmont, W. Va.,
assignors to West Virginia Pulp and Paper Company,
New York, N. Y. Sedimentation balance. 2,397,038;
Mar. 19.

Oberdorfer, Manfred, Berlin W. 50, A. Bitenandt, Berlin-
Zehlendorf, H. Schmidt-Thome, Berlin-Zehlendorf, and H.
Mair-Hüser, Berlin N. 65, Germany, assignors to
Schering Corporation, Bloomfield, N. J. Compounds of
albumen and cholesterol. 2,392,058; Jan. 1.

Oberender, John L., assignor to Oles Envelope Corpora-
tion, Baltimore, Md. Envelope machine. 2,407,174;
Sept. 3.

Obergfell, Amanda, executrix: *See*—
Obergfell, Herbert F.

Obergfell, Herbert F., deceased, by A. Obergfell, executrix,
River Forest, assignor to Automatic Electric Labora-
tories, Inc., Chicago, Ill. Desk telephone set. 2,398,850;
Apr. 23.

Oberholtz, Anthony, Jr., Los Angeles, Calif. Abrasive
reamer. 2,411,633; Nov. 26.

Oberly, Chester C., and P. E. Waugh, assignors to Tokheim
Oil Tank and Pump Company, Fort Wayne, Ind. Elec-
trically heated water trap for fuel dispensing devices.
2,411,749; Nov. 26.

Obermaier, John A., River Forest, Ill. Carrying case.
2,397,975; Apr. 9.

Obermer, John A., River Forest, Ill. Securing and
sealing means for meter box housings. 2,412,418;
Dec. 10.

Obermaier, John A., River Forest, Ill. Frictional holding
means. 2,413,414; Dec. 31.

Oberstadt, Peter B., Wickliffe, Ohio. Nonrefillable bottle.
2,398,063; Apr. 16.

Obert, Clord J.: *See*—
Clark, Joseph L., Linden, and Obert.

Obiad, Alex G.: *See*—
Boedecker, Edward R., and Obiad.

Gorin, Everett, and Obiad.

O'Brien, Denis F., East Orange, N. J.; H. F. O'Brien,
executor of said D. F. O'Brien, deceased. Valve insert-
ing mechanism. 2,396,964; Mar. 19.

O'Brien, Edgar, assignor, by mesne assignments, to Bel-
mont Radio Corporation, Chicago, Ill. Combined cas-
cades and inductive tuning unit. 2,398,112; Apr. 9.

O'Brien, Frank J., Pelham, assignor to Continental Can
Company, Inc., New York, N. Y. Closure for paper con-
tainers. 2,406,894; Sept. 3.

O'Brien, Frank J., Pelham, assignor to Continental Can
Company, Inc., New York, N. Y. Threaded closure for
paper containers. 2,412,004; Dec. 3.

O'Brien, Frank J., Pelham Manor, assignor to Continental
Can Company, Inc., New York, N. Y. Lock top con-
tainer. 2,413,646; Dec. 31.

O'Brien, Frederic L., Rutherford, N. J., assignor to The
Western Union Telegraph Company, New York, N. Y.
Facsimile signal inverter. 2,397,559; Apr. 2.

O'Brien, Hubert F., executor: *See*—
O'Brien, Denis F.

O'Brien, James A., Kansas City, Kans. Bubble tower
unit. 2,398,953; Apr. 23.

O'Brien, John N., assignor to General Railway Signal
Company, Rochester, N. Y. Radio communication sys-
tem. 2,407,846; Sept. 17.

O'Brien, Joseph F.: *See*—
Keith, Claude D., and O'Brien, and Madsen.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B.
Pierce Foundation, New York, N. Y. Locking device for
electrical connectors. 2,406,030; Aug. 20.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B.
Pierce Foundation, New York, N. Y. Electricity con-
ductor unit. 2,408,442; Oct. 1.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B.
Pierce Foundation, New York, N. Y. Adapter unit for
electric wiring systems. 2,408,443; Oct. 1.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B.
Pierce Foundation, New York, N. Y. Electricity con-
ductor unit. 2,413,032; Dec. 24.

O'Brien, Peter T., Salem, Mass. Game. 2,413,369; Dec.
31.

O'Brien, Robert B., Atlanta, Ga. Detachable crotch.
2,396,599; Mar. 12.

O'Brien, William J., Syracuse, N. Y. Water heater.
2,410,994; Nov. 12.

O'Brien, William J., Los Angeles, Calif., assignor to The
Decca Record Company Limited, London, England.
Compensating circuit. 2,404,809; July 30.

- O'Brien, William J., Los Angeles, Calif., assignor to The Decca Record Company, Limited, London, England. Receiving apparatus for radio beacon systems. 2,404,819; July 23, 1948.
- O'Brien, William J., Los Angeles, Calif., assignor to The Decca Record Company, Limited, London, England. Equisignal radio beacon system. 2,406,396; Aug. 27, 1948.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Method and apparatus for receiving radio signals. 2,407,323; Sept. 10, 1948.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Equisignal radio beacon system. 2,407,324; Sept. 10, 1948.
- O'Brochta, John, and H. Rodman, Jr., Pittsburgh, Pa., assignors, by mesne assignments, to Koppers Company, Inc. Separating carbazole from crudes thereof. 2,407,877; Sept. 17, 1948.
- Obszarny, Theodore, Chicago, Ill., assignor to Guardian Electric Manufacturing Co. Snap-action switch. 2,402,838; June 25, 1948.
- Ocean City Manufacturing Company, assignee: *See—* Kay, Paul.
- Oceanic Tank Processing Corp., assignee: *See—* Sorrentino, Thomas.
- O-Cedar Corp., assignee: *See—* Dupuy, Charles E. J.
- Och, Henry G., West Englewood, and K. D. Swartzel, Jr., Teaneck, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical differentiator. 2,412,227; Dec. 10, 1948.
- Ochsenbein, Walter, assignor to Hasler A. G. Werke für Telefonie und Präzisionsmechanik, Bern, Switzerland. Ignition apparatus for internal-combustion engines. 2,412,690; Dec. 17, 1948.
- Ochsner, Arnold G., Danielson, Conn. Pantograph device. 2,402,483; June 13, 1948.
- Ockfen, John, Spanaway, Wash. Log Barker. 2,401,500; June 4, 1948.
- Ockrant, William, assignee: *See—* Suter, Henry.
- Ocon, Cecilio L., and E. A. Ocon, Yonkers, N. Y.; said Cecilio L. Ocon assignor to said Ernest A. Ocon. Catalytic hydrocarbon reforming process. 2,408,948; Oct. 8, 1948.
- Ocon, Ernest A.: *See—* Ocon, Cecilio L., and E. A.
- O'Connell, John J.: *See—* Greenberg, Henry, and O'Connell.
- O'Connell, Robert J., Succasunna, and L. Cohen, Elizabeth, N. J., and C. Rosenblum, Brooklyn, N. Y. Testing the airtightness of closed containers. 2,401,368; June 4, 1948.
- O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Roof construction. 2,393,401; Jan. 22, 1948.
- O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Car roof structure. 2,412,283; Dec. 10, 1948.
- O'Connor, Bernard E.: *See—* Magrum, Gervase M., and O'Connor.
- O'Connor, Connor T., Trinidad, British West Indies. Packing material. 2,397,618; Apr. 2, 1948.
- O'Connor, Daniel J., Jr.: *See—* Kroeger, John W., and O'Connor.
- O'Connor, Harry F.: *See—* Kroeger, John W., and O'Connor.
- O'Connor, Patrick J., New York, N. Y. Constructing walls. 2,404,396; July 23, 1948.
- Oday, Arthur B., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp base and socket. 2,403,114; July 2, 1948.
- O'Day, Cortland N., Long Island City, assignor to Air Devices, Inc., New York, N. Y. Ventilator. 2,396,746; Mar. 19, 1948.
- Odell, Arthur D.: *See—* Butler, Gordon C., Lozinski, and Odell.
- Odell, William W.: *See—* Engelke, Ernest P., and Odell.
- Odell, William W., El Dorado, Ark., assignor to Lion Oil Company. Process and apparatus for promoting thermal reactions. 2,398,954; Apr. 23, 1948.
- Odell, William W., El Dorado, Ark., assignor to Lion Oil Company. Treating hydrocarbons. 2,412,096; Dec. 3, 1948.
- Odeveit, Alec S., assignor to Beech Aircraft Corporation, Wichita, Kans. Clutch. 2,399,886; May 7, 1948.
- Odin Corporation, assignee: *See—* Svenson, Ernest J.
- Odium, William H., Wilmette, and K. A. Paine, Park Ridge, assignors to Duro Metal Products Company, Chicago, Ill. Ratchet mechanism. 2,395,681; Feb. 26, 1948.
- O'Donnell, John R., Brooklyn, assignor to Econo Safety Devices Inc., Masspet, N. Y. Hinged clamp. 2,402,570; June 25, 1948.
- O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Liquid heating apparatus. 2,400,653; May 21, 1948.
- Odquist, Harold T., Yonkers, assignor to American Can Company, New York, N. Y. Apparatus for welding seams. 2,394,004; Feb. 6, 1948.
- O'Dwyer, Daniel M., London, England. Torpedo defense and the like. 2,395,422; Feb. 26, 1948.
- Oebbecke, Bernard F., Pittsburgh, Pa. Thermostatic switch plug. 2,407,764; Sept. 17, 1948.
- Oehler, Alvin W., assignor to Deere & Company, Moline, Ill. Windrower. 2,398,389; Apr. 16, 1948.
- Oehler, Alvin W., and E. J. Johnson, assignors to Deere & Company, Moline, Ill. Adjustable V-belt sheave. 2,401,178; May 28, 1948.
- Oehler, Alvin W., and E. J. Johnson, assignors to Deere & Company, Moline, Ill. Harvester reel. 2,406,706; Aug. 27, 1948.
- Oetzel, John G., assignor to Warner Electric Brake Manufacturing Company, Beloit, Wis. Method of and mechanism for braking heavy-duty automotive vehicles. 2,395,904; Mar. 5, 1948.
- Oetzel, John G., assignor to Warner Electric Brake Manufacturing Company, Beloit, Wis. Electromagnetic friction device. 2,395,905; Mar. 5, 1948.
- Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Pressure actuated brake mechanism. 2,404,397; July 23, 1948.
- Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Circuit controller. 2,407,509; Sept. 10, 1948.
- Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Brake control. 2,407,510; Sept. 10, 1948.
- Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Apparatus for regulating vehicle speed. 2,412,223; Dec. 10, 1948.
- O'Farrell, Frank J., Burbank, Calif. Signal lamp. 2,411,935; Dec. 3, 1948.
- O'Farrell, Matthew, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer. 2,400,206; May 14, 1948.
- O'Farrell, Matthew, Detroit, Mich., and A. J. St. Louis, Windsor, Ontario, Canada, assignors to Chicago Pneumatic Tool Company, New York, N. Y. Demolition tool handle. 2,400,207; May 14, 1948.
- Oganowski, Kasimir, Franklin, assignor to The American Rolling Mill Company, Middletown, Ohio. Treatment means and method for hot coated strip. 2,398,034; Apr. 9, 1948.
- Oganowski, Kasimir, Franklin, N. W. Parks, Lemon Township, Butler County, and K. G. Coburn, assignors to The American Rolling Mill Company, Middletown, Ohio. Coating ferrous metals with aluminum. 2,406,245; Aug. 20, 1948.
- Ogard, Helmer, assignor to Armstrong-Bray & Co., Chicago, Ill. V-belt construction. 2,403,607; July 9, 1948.
- Ogden, Arthur N.: *See—* Cross, Robert E., Jr., Dillinger, and Ogden.
- Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Antislippage system for plural traction motors. 2,413,190; Dec. 24, 1948.
- Ogden, Hubert S., Los Angeles, Calif. Valve. 2,406,246; Aug. 20, 1948.
- Ogden, Jack, Huntington Woods, assignor to General Motors Corporation, Detroit, Mich. Timing device. 2,409,888; Oct. 22, 1948.
- Ogden, Jack, Huntington Woods, assignor to General Motors Corporation, Detroit, Mich. Timing device. 2,409,889; Oct. 22, 1948.
- Ogden, Paul L., New York, N. Y. Billfold, pocket secretary, and the like. 2,397,366; Mar. 26, 1948.
- Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Manufacture of abrasives. 2,403,018; July 2, 1948.
- Oglesby, Thomas W., Peru, Ind. Airplane. 2,406,625; Aug. 27, 1948.
- O'Gorman, William F., New York, N. Y. Flat bed duplicator. 2,393,402; Jan. 22, 1948.
- O'Gorman, William F., New York, N. Y., assignor of one-half to Daniel N. Garrett, Middletown, N. J. Microfilm reader. 2,403,747; July 9, 1948.
- Ogorzaly, Henry J., Baton Rouge, La., assignor to Standard Oil Development Company. Recovering catalyst material. 2,393,554; Jan. 22, 1948.
- Ogorzaly, Henry J., Baton Rouge, La., assignor to Standard Oil Development Company. Producing magnesium. 2,393,704; Jan. 29, 1948.
- O'Grady, Frederick T., Flushing, N. Y. Apparatus for producing balanced color reproductions of off-balance color recordings. 2,402,660; June 25, 1948.
- Ogren, Arthur, Hillsdale, N. Y. Sublimating apparatus. 2,397,686; Apr. 2, 1948.
- Ogukow, Metalals Corporation, assignee: *See—* Garretson, Harry D.
- Ogukowski, Georges, Zug, Switzerland, assignor to Landis & Gyr A. G. System of mixing signal and power frequencies. 2,398,390; Apr. 10, 1948.
- Ogukowski, Georges, Zug, Schönbühl, Switzerland, assignor to Landis & Gyr A. G. Constant speed motor system. 2,405,708; Aug. 13, 1948.
- O'Hara, Stephen J., Oakland, Calif. Filing system. 2,399,376; Apr. 30, 1948.
- O'Hearn, George E., Gardner, Mass. Saddle seat or the like. 2,397,266; Mar. 26, 1948.
- Ohio Aircraft Fixture Co., The, assignee: *See—* Matthews, Percy W.
- Ohio Brass Company, The, assignee: *See—* Lewis, Warren J.
- Ohio Brass Company, The, assignee: *See—* Lewis, Warren J., and Sanford.
- Ohio Crankshaft Company, The, assignee: *See—* Denneen, Francis S., and Dunn.

- Ohio Ferro-Alloys Corporation, assignee: *See*—Vance, Calbert L.
- Ohio Injector Company, The, assignee: *See*—Doster, Howard G., Hanlon, and Farnsworth.
- Ohio Oil Company, The, assignee: *See*—Calmer, Thaddeus W.
- Ohio State University Research Foundation, The, assignee: *See*—Gaver, Kenneth M.
- Ohio Steel Foundry Company, The, assignee: *See*—Linton, Merritt Q.
- Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current rectifier. 2,402,661; June 25.
- Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Light-sensitive electric device. 2,402,662; June 25.
- Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical translating device utilizing silicon. 2,402,839; June 25.
- Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermoelectric device. 2,402,663; June 25.
- Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermoelectric system. 2,407,678; Sept. 17.
- Ohlemeyer, Walter F., El Paso, Tex. Leather pistol holster. 2,396,118; Mar. 5.
- Ohlsen, Violet E., Washington, D. C. Handbag. 2,413,465; Dec. 31.
- Ohlsson, Ernst: *See*—Iserrmann, Samuel, and Ohlsson.
- Oil Devices, assignee: *See*—Breeze, James L.
- Breeze, James L. and Hayter.
- Hayter, Bruce, and Perry.
- Oilgear Company, The, assignee: *See*—Ferris, Walter.
- Ferris, Walter, and Grad.
- Grad, Adolf R.
- Hayter, Bruce.
- Kralner, Edgar H.
- Tyler, Ransom.
- Wiedmann, Ernst.
- Oil Well Supply Company, assignee: *See*—Bannister, Bryant.
- Bennett, Daniel A., and Maier.
- Maier, August R.
- Ojuntinas, Tauno O., Los Angeles, Calif. Clutching mechanism. 2,398,716; Apr. 16.
- O'Keefe, Daniel J.: *See*—Rines, Albert H., Hardy, and O'Keefe.
- O'Kelly, Arlie A.: *See*—Brooks, John W., O'Kelly, and Work.
- Horton, Aaron W., Brooks, and O'Kelly.
- Kellett, John, III, Maricic, and O'Kelly.
- Sachanen, Alexander N., O'Kelly, and Myers.
- O'Kelly, Arlie A., Woodbury, J. Plucker, III, Pitman, N. J., and R. H. Work, Philadelphia, Pa., assignors to Socopy-Vacuum Oil Company, Incorporated. Catalytic alkylation process. 2,407,033; Sept. 3.
- Oksanen, Harry W., Detroit Lakes, Minn. Saw rig. 2,400,595; May 21.
- Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—Beede, Harry L.
- Bennett, Charles E.
- Gooding, Francis H.
- Gooding, Francis H., and Levinson.
- Gooding, Francis H., and Sipp.
- Jones, Frank C.
- Levinson, Benjamin.
- Okonite Company, The, assignee: *See*—Bennett, Charles E.
- Brown, Grover W.
- Okrass, Ernest C.: *See*—Clifford, David G., and Okrass.
- Okrass, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical power absorber. 2,400,777; May 21.
- Okrass, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,409,693; Oct. 22.
- Okrass, Ernest C., Montclair, and P. Kusch, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coaxial line. 2,404,085; July 16.
- Okrass, Ernest C., Montclair, D. E. Nelson, East Orange, and R. C. Retherford, Newark, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coupling device. 2,404,088; July 16.
- Olah, George, assignor to Precision Developments Company Limited, London, England. Electric follow-up switch. 2,400,018; May 7.
- Olah, George, assignor to Precision Developments Company Limited, London, England. Synchronous remote control. 2,401,501; June 4.
- Olander, Roland J.: *See*—Dath, George B., and Olander.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism. 2,395,972; Mar. 5.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,402,571; June 25.
- O'Larte, Rudolph, Rego Park, N. Y., and K. Speck, Passaic Park, N. J., assignors to Jacques Kriesler Manufacturing Corporation, North Bergen, N. J., a corporation of New Jersey. Cathode assembly. 2,393,057; Jan. 15.
- O'Laughlin, Patrick M., Coraopolis, assignor to Dravo Corporation, Pittsburgh, Pa. Launching method and equipment. 2,395,423; Feb. 26.
- Oldbury Electro-Chemical Co., assignee: *See*—Pernert, John C.
- Oldfield, John C., Yakima, Wash. Watering device. 2,413,647; Dec. 31.
- Oldham, Samuel R.: *See*—Hoffman, James A., Oldham, and Jacobsson.
- Jacobson, Wilgot J., Hoffman, and Oldham.
- Olds, Ambrose D., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Heating unit. 2,401,702; June 4.
- O'Leary, Daniel K.: *See*—Gribbins, Myers F., Miller, and O'Leary.
- O'Leary, Daniel K., Mendenhall, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of fats and oils. 2,397,976; Apr. 9.
- Oles, Raymond C., Altadena, Cal. Posture correcting device. 2,395,936; Mar. 5.
- Oles Envelope Corporation, assignee: *See*—Oberender, John L.
- Olesen, Raymond C., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,397,560; Apr. 2.
- Olesen, Raymond C., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrical measurement. 2,400,571; May 21.
- Olesen, Raymond C., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrical regulating system. 2,408,091; Sept. 24.
- Olewin, Adolph, Brooklyn, N. Y. Electrical conduit fitting. 2,392,940; Jan. 15.
- Olin, Bruff W., Highland, N. Y. Piston. 2,401,651; July 23.
- Olin Industries, Inc., assignee: *See*—Calhoun, James C., Davidson, and Hansen.
- Crockett, Harry L.
- Foster, Harry C.
- Franz, Arvel O., and Juel.
- Garfield, Frederick M., and Dreher.
- Herzog, Milton L.
- Williams, David M.
- Wilson, Golder P.
- Olin, John F.: *See*—Hunt, Charles K., Olin, and Brandt.
- Morton, Paul D., and Olin.
- Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of 2,6-di-halo phenols. 2,403,748; July 9.
- Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Purification of amine reaction mixtures. 2,411,802; Nov. 26.
- Olin, Robert R., Akron, and H. I. Cramer, Cuyahoga Falls, Ohio. Vulcanization of rubber-like materials. 2,398,154; Apr. 9.
- Oliver, Charles C., assignor of one-half to A. C. Johnson, New Orleans, La. Steering column. 2,409,062; Oct. 8.
- Oliver, Curtis S.: *See*—Wright, James G. E., and Oliver.
- Oliver, Delbert S., Euclid, assignor to Pesco Products Co., Cleveland, Ohio. Lapping method and machine. 2,408,334; Sept. 24.
- Oliver, Delbert S., Euclid, and J. Kanuch, Cleveland, Ohio, assignors to Pesco Products Co. Torque wrench. 2,408,335; Sept. 24.
- Oliver, Edwin L., Piedmont, P. J. McGuire, San Francisco, J. E. Slaughter, Santa Cruz, and A. W. Vettel, Watonsville; said Oliver and said McGuire assignors to Oliver United Filters Incorporated, Oakland, said Slaughter and said Vettel assignors to The Permanet Metals Corporation, Oakland, Calif. Continuous filter. 2,395,490; Feb. 26.
- Oliver Iron Mining Company, assignee: *See*—Kranz, Walter M., and Murray.
- Oliver Iron and Steel Corporation, assignee: *See*—Lyon, Bruce K.
- Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Welt cementing and applying machine. 2,392,941; Jan. 15.
- Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing and roughening machine. 2,397,619; Apr. 2.
- Oliver United Filters Incorporated, assignee: *See*—Forbert, Elmer H.
- Oliver, Edwin L., McGuire, Slaughter, and Vettel.
- Oliver, Walter E., Quincy, assignor to American Register Company, Boston, Mass. Bar for carbon carriers. 2,393,555; Jan. 22.
- Olken, Hyman, Washington, D. C. Space discharge device. 2,402,664; June 25.
- Olken, Hyman, Washington, D. C. Follow-up control system. 2,411,750; Nov. 26.
- Oller, Isaac M., Leitchfield, Ky. Brush holder and drip catcher. 2,399,056; Apr. 23.

- Olley, Raymond H., Syracuse, N. Y., assignor to Crouse-Hinds Company. Combination sealing and drain fitting for conduit lines. 2,402,840; June 26.
- Olmore, Duane C., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Ordnance mount. 2,397,687; Apr. 2.
- Olmsted, Hazel B., administratrix: *See—*
Olmsted, Russell C., and Harris.
- Olmsted, Russell C., Harrington Park, N. J., and A. H. Harris, New Britain, Conn., H. B. Olmsted, administratrix of said R. C. Olmsted, deceased, assignor to said Harris. Expansion joint for concrete roadway. 2,410,099; Oct. 29.
- O'Loughlin, James C., incompetent, by M. F. O'Loughlin, guardian, Redwood City, Calif. Caliper. 2,394,323; Feb. 5.
- O'Loughlin, Marion F., guardian: *See—*
O'Loughlin, James C.
- O'Loughlin, Walter K., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Catalytic hydrogenation of aliphatic nitrohydroxy compounds. 2,413,153; Dec. 24.
- Olpin, Henry C., E. Stanley, and C. S. Argyle, Spondon, near Derby, England, assignors to British Celanese Limited, London, England. Production of colored textile and other materials. 2,393,652; Jan. 29.
- Olpin, Henry C., and S. A. Gibson, Spondon, near Derby, assignors to British Celanese Limited, London, England. Inhibition of acid fading on cellulose acetate with melamine resin. 2,403,019; July 2.
- Olsen, Anders C., Forest Hills, N. Y. Fastening device. 2,404,245; July 16.
- Olsen, Arthur A., Pittsfield, Mass., assignor to General Electric Company. Protective holder for electric discharge devices. 2,399,502; Apr. 30.
- Olsen, Harry O., New York, N. Y. Die stock. 2,395,753; Feb. 26.
- Olsen, Joseph O., assignor to Barnes Drill Co., Rockford, Ill. Method and apparatus for honing. 2,403,546; July 9.
- Olsen, Olaf L., Petersburg, Alaska. Flue cap. 2,396,876; Mar. 19.
- Olsen, Thorsten Y., assignee: *See—*
Sundby, Harold C.
- Olsen, Tinius, Testing Machine Company, assignee: *See—*
Silvertsen, Jens.
- Olson, Alf P., Idaho Falls, Idaho. Engine block water heater. 2,400,838; May 21.
- Olson, Andrew R.: *See—*
Garretson, Owen L., St. Clair, and Olson.
- St. Clair, Theodore A., Sleviers, and Olson.
- Olson, Arthur A., Youngstown, Ohio. Air heating furnace. 2,399,690; July 2.
- Olson, Arthur A., Youngstown, Ohio. Direct fired unit heater. 2,404,592; July 23.
- Olson, August, Palatine, Ill. Concrete form tie and spacer. 2,413,415; Dec. 31.
- Olson, David C., Riverdale, Md., assignor to Air-Track Manufacturing Corporation, College Park, Md. Scriber attachment. 2,398,323; Apr. 9.
- Olson, Edwin A., Los Angeles, Calif. Venetian blind. 2,410,549; Nov. 5.
- Olson, Edwin N., Schenectady, N. Y., assignor to General Electric Company. Brush rigging. 2,404,246; July 16.
- Olson, Elmer, Ferndale, Mich., assignor to G. M. and E. Holley. Heat control. 2,407,095; Sept. 3.
- Olson, Elmer, Ferndale, and M. J. Kittler, Detroit, Mich., assignors to G. M. and E. Holley. Governor. 2,393,556; Jan. 22.
- Olson, George E., Chicago, Ill. Filter. 2,399,887; May 7.
- Olson, Harry F., and F. Hester, Haddon Heights, N. J., assignors to Radio Corporation of America. Electrical control system. 2,401,955; June 11.
- Olson, John W., Hastings-on-Hudson, assignor to Anaconda Wire and Cable Company, New York, N. Y. Machine for impregnating electric insulation. 2,410,126; Oct. 29.
- Olson, John W., Hastings-on-Hudson, N. Y., and C. W. Bechle, Sycamore, Ill., assignors to Anaconda Wire and Cable Company, New York, N. Y. Machine for impregnating electric insulation. 2,410,127; Oct. 29.
- Olson, Kenneth W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air-speed responsive device. 2,412,471; Dec. 10.
- Olson, Nils G.: *See—*
Mugraves, Howard G., and Olson.
- Olson, Obie E., Sandwich, Ill. Automotive gas tank cover switch. 2,407,439; Sept. 10.
- Olson, Raymond G., Chevy Chase, Md. Electric connector. 2,406,895; Sept. 3.
- Olson, Raymond G. Jr., Chevy Chase, Md. Sheet metal lock nut. 2,410,995; Nov. 12.
- Olson, Robert V., Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Spool. 2,392,612; Jan. 8.
- Olson, Robert W.: *See—*
Shook, Earley M., and Olson.
- Olson, Roy H., Marion, Iowa, assignor to Collins Radio Company. Frequency multiplier. 2,411,106; Nov. 19.
- Olson, Samuel, Chicago, Ill. Backwater valve. 2,409,582; Oct. 15.
- Olson, Theodore A., Pompton Plains, and J. Klopak, Newark, N. J., assignors to General Motors Corporation, Detroit, Mich. Inspection of articles, especially anti-friction bearing parts. 2,393,705; Jan. 29.
- Olson, Victor J., Spokane, Wash. Scraper. 2,402,976; July 2.
- Olson, Walter A.: *See—*
Brenner, Abner, and Olson.
- Olson, William, New York, N. Y. Fastener driving device. 2,401,840; June 11.
- Olsson, Olov J. E., assignor to Storm Manufacturing Company, Inc., Minneapolis, Minn. Stop mechanism. 2,405,709; Aug. 13.
- Olving, Bror G., assignor to McGraw Electric Company, Elgin, Ill. Electric sador. 2,403,115; July 2.
- Oman, Carl, Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metering system. 2,394,086; Feb. 5.
- Omega Machine Company, assignee: *See—*
Harper, Lyndus E.
- Omes Limited, assignee: *See—*
Gaspar, Emeric.
- O'Neal, Grady M., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of copper phthalocyanine dyestuffs. 2,410,301; Oct. 29.
- O'Neal, Owen L., Danville, and V. L. Miller, Milford, Ill. Coat hanger. 2,392,257; Jan. 1.
- O'Neal, Wilburn W., and R. D. Williams, Memphis, Tenn. Dehydrator. 2,409,787; Oct. 22.
- O'Neal, William B., Ellicott City, assignor to The Glenn L. Martin Company, Middle River, Md. Fuel tank vent. 2,403,749; July 9.
- Onelda, Ltd., assignee: *See—*
Bloom, Richard A.
- O'Neill, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Stationary scraper on solder roll. 2,406,159; Aug. 20.
- O'Neill, James H., assignor to Continental Can Company, Inc., Syracuse, N. Y. Vacuumized can closure. 2,412,169; Dec. 3.
- O'Neill, John G., Fairbault, and L. G. Zesbaugh, Minneapolis, assignors, by mesne assignments, to Carl Weinhausen, Jr., St. Paul, Minn. Making containers. 2,395,754; Feb. 26.
- O'Neill, Roy J., Aurora, Ill. Pipe tapping device. 2,392,059; Jan. 1.
- O'Neill, Thomas, assignor to Gemmer Manufacturing Company, Detroit, Mich. Safety live line electrical connector. 2,396,119; Mar. 5.
- O'Neill, Thomas M., Jr.: *See—*
Gibbons, Edward J., and O'Neill.
- O'Neill, Walter G., Oakland, Calif. Divan hardware. 2,395,424; Feb. 26.
- O'Neill, Edward M., assignor to Union Machine Company, San Francisco, Calif. Liquid level indicator. 2,399,291; Apr. 30.
- O'Neill, Joseph J., Chester, Pa., assignor to Sinclair Refining Company, New York, N. Y. Resin production. 2,392,377; Jan. 8.
- Onksen, George W., Jr.: *See—*
Falze, Robert N., Onksen, and Goris.
- Ontario Paper Company Limited, The, assignee: *See—*
Godwin, Gordon.
- Onys, Oil & Chemical Company, assignee: *See—*
Kaplan, Saul.
- Opalek, Charles, Brooklyn, N. Y. Outdoor switch box. 2,410,519; Nov. 5.
- Opheim, Norris B.: *See—*
Pigott, Jack, and Opheim.
- Opryshek, Karl, and J. N. Chatfield, Baytown, Tex., assignors to Standard Oil Development Company. Alkylation process. 2,400,367; May 14.
- O'Quinn, Wilbur D., Wilmington, N. C. Ventilating attachment for welders' helmets. 2,409,641; Oct. 22.
- Orchard, Carl S., Janesville, Calif. Portable cabinet-table. 2,411,332; Nov. 19.
- Orchard, Paul W., Jr.: *See—*
Moulin, Albert E., Jr., and Orchard.
- Orcutt, Arthur H., assignor to The Gear Grinding Company Limited, Shirley, near Birmingham, England. Machine for grinding the teeth of gear wheels. 2,411,456; Nov. 19.
- Orcutt, Arthur H., assignor to The Gear Grinding Company Limited, Shirley, near Birmingham, England. Controlling means for fluid operated machine tools. 2,412,234; Dec. 10.
- Orefraction Incorporated, assignee: *See—*
Horsfield, Basil L.
- O'Reilly, Joe, Tacoma, Wash., assignor to Welding Service Sales, Inc., San Francisco, Calif. Welder's helmet. 2,411,224; Nov. 19.
- Orelind, John R.: *See—*
Johnson, Arnold E. W., and Orelind.
- Oresman, Theodore, St. Louis, Mo. Convertible midriff dress. 2,405,368; Aug. 6.
- Orio, Frank, Long Branch, N. J. Lapping machine. 2,404,811; July 30.
- Orkin, Samuel, Los Angeles, Calif. Toy airplane. 2,398,391; Apr. 16.

- Orland, Louis, Los Angeles, Calif. Machine for shredding, grating, and/or slicing foodstuffs. 2,411,333; Nov. 19.
- Orlich, Peter, G. Negel, and H. Hartz, Kiel, Germany; vested in the Allen Property Custodian. Echo sounding device. 2,407,175; Sept. 3.
- Orlin, Morris D., Cleveland, Ohio. Window. 2,394,870; Feb. 12.
- Orman, William R., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Extinguishing agent. 2,393,477; Jan. 22.
- Ormsby, Donald D., assignor to Clark Equipment Company, Buchanan, Mich. Vehicle. 2,396,803; Mar. 19.
- Ormsby, Donald D., assignor to Clark Equipment Company, Buchanan, Mich. Vehicle. 2,396,804; Mar. 19.
- Ormsby, Lester W., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen cap construction. 2,392,942; Jan. 15.
- Orner, Harry, assignor to M. M. Cohen, Cleveland Heights, Ohio. Hair extracting device. 2,413,576; Dec. 31.
- Ornstee, Miriam L., New Rochelle, N. Y. Money holders. 2,411,053; Nov. 12.
- Ornstee, Georg, New York, N. Y. Apparatus for applying treating mediums. 2,401,012; May 28.
- Oroz, John, assignee, et al.: See—
Tarapczyski, Signmund.
- Orr, Donald J., Arnolds Park Iowa. Variable delivery and reversing pump. 2,406,964; Sept. 3.
- Orr, Donald J., Arnolds Park, Iowa. Variable delivery fluid handling device. 2,406,965; Sept. 3.
- Orr, John L.: See—
Griffith, Thomas R., and Orr.
- Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Synchronizer coupling. Re. 22,731; Mar. 5.
- Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,397,620; Apr. 2.
- Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Coupling device and control means therefor. 2,401,179; May 28.
- Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,408,336; Sept. 24.
- Orr, Robert St. J., assignee: See—
Funk, Fred W.
- Orr, Willis P., Houston, Tex., assignor to Standard Oil Development Company. Apparatus for cleaning wells. 2,397,199; Mar. 26.
- Orrenius, Ernst A. I., Kramfors, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Method of separating fibrous boards from their supporting members. 2,394,256; Feb. 5.
- Orser, William D.: See—
Kingslake, Rudolf, and Orser.
- Orsey, Horace G., Perryburg, and J. P. Crowley, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing ophthalmic lenses. 2,394,934; Feb. 12.
- Orshansky, Elias, Jr., Cleveland Heights, assignor to The Acrotorque Company, Cleveland, Ohio. Vehicle drive control mechanism. 2,393,557; Jan. 22.
- Orshansky, Elias, Jr., Darien, Conn., assignor to The Acrotorque Company, Cleveland, Ohio. Pressure apparatus. 2,393,558; Jan. 22.
- Orzel, Francis J., Flushing, N. Y. Spark plug and mounting therefor. 2,397,367; Mar. 26.
- Oshon, William O.: See—
Hanna, Clinton R., and Oshon.
- Oshorn, Alden E., and Vernon, N. Y. Internal-combustion engine. 2,392,060; Jan. 1.
- Oshorn, Alden E., Mount Vernon, N. Y. Airplane control mechanism. 2,413,577; Dec. 31.
- Oshorn, Charles L., Cheyenne, Wyo. Game and toy. 2,394,802; Feb. 12.
- Oshorn Manufacturing Company, The, assignee: See—
Peterson, Ruben O.
- Oshorn, William H.: See—
Twinner, Sidney R., and Oshorn.
- Osborne, Andrew G., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Applying closures to containers. 2,409,788; Oct. 22.
- Osborne, Andrew G., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Sealing containers. 2,409,789; Oct. 22.
- Osborne, Fred H.: See—
Hoytlett, Lamar E., and Osborne.
- Osborne, Fred H., Snyder, assignor to The Rudolph Wurlitzer Company, North Benavanda, N. Y. Drink measuring device. 2,396,527; Mar. 12.
- Osborne, Leonard S., Cincinnati, Ohio. Portrait camera shutter. 2,400,778; May 21.
- Osborne, Ralph W., Toronto, Ontario, Canada. Apparatus for measuring the quality of material. 2,395,425; Feb. 26.
- Osborne, Sidney G., and A. Mitchell, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Removal of chlorate from caustic soda. 2,404,453; July 23.
- Osborne, Walter Glendale, Calif. Piston for internal-combustion engines. 2,407,440; Sept. 10.
- Osburn, Howard W., assignor to Power Brake Parts Manufacturing and Sales Company, Detroit, Mich. Valve. 2,392,800; Jan. 8.
- Oscar, George R., West Milton, and W. S. Boals, Dayton, Ohio. Remote control firing mechanism for machine guns. 2,410,100; Oct. 29.
- Osenberg, Erwin C., De Kalb, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Accordion finger wire and valve actuator. 2,402,912; June 25.
- Osenberg, Erwin C., Dekalb, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Accordion treble shift mechanism. 2,410,897; Nov. 12.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Cuttings-conveyer mechanism. 2,394,005; Feb. 5.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Material haulage vehicle. 2,394,006; Feb. 5.
- Osgood, Charles F., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,408,476; Oct. 1.
- Osgood Company, The, assignee: See—
McLean, Leland O.,
White, Fred L., and McLean.
- O'Shaughnessy, James M., Woodbridge, N. J., assignor to National Lead Company, New York, N. Y. Recovery of waste sulphuric acid liquors. 2,394,470; Feb. 5.
- O'Shei, William E., London, England. Fluid pressure motor. 2,397,621; Apr. 2.
- Osinski, Stephen B., Detroit, Mich. Electric outlet box. 2,397,688; Apr. 2.
- Osplack, Joseph J., assignor to Vinco Corporation, Detroit, Mich. Spindle bearing. 2,408,995; Oct. 8.
- Ost, Clarence S., Atlantic City, N. J. Apparatus for integrating radiant energy. 2,408,576; Oct. 1.
- Ostberg, Bertil E., Arlington, assignor to Polaroid Corporation, Cambridge, Mass. Methacrylic esters and copolymers thereof. 2,397,287; Mar. 20.
- Osterberg, Harold, and P. C. Heijn, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Projection apparatus. 2,395,561; Feb. 26.
- Osterberg, Harold, & E. Pride, and P. C. Heijn, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus for treating articles. 2,408,529; Oct. 1.
- Osterdahl, Ragnar: See—
von Segebaden, Ernst, and Osterdahl.
- Ostergren, Ralph H.: See—
Wheaton, Elmer P., and Ostergren.
- Ostergren, Ralph H., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Resistance thermometer. 2,395,192; Feb. 19.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,392,177; Jan. 1.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal retarder. 2,392,498; Jan. 8.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heating system. 2,397,089; Mar. 19.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system with thermal retarder. 2,400,596; May 21.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,403,116; July 2.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Snap acting thermostatic switch. 2,408,873; Oct. 8.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal retarder. 2,408,874; Oct. 8.
- Osterhof, Arthur L., Newark, assignor to Hercules Powder Company, Wilmington, Del. Tall oil treatment. 2,396,471; Mar. 12.
- Ostermann, Rudolf M., Evanston, Ill., assignor to The Superheater Company, New York, N. Y. Compounding system for steam locomotives. 2,397,977; Apr. 9.
- Osterneck, Lester M., assignor of one-half to M. A. Bissell, Jamestown, N. Y. Torque-responsive clutch. 2,413,466; Dec. 31.
- Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone traffic recording system. 2,393,403; Jan. 22.
- Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. 2,409,063; Oct. 8.
- Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. 2,410,520; Nov. 5.
- Ostlund, Albin J., and J. C. Christian, Jr., assignors to Boeing Aircraft Company, Seattle, Wash. Automatic charging means for machine guns. 2,413,416; Dec. 31.
- Ostlund, Richard E., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex. Trailer. 2,400,253; May 14.
- Ostrander, Charles W.: See—
Thomas, Robert M., and Ostrander.
- O'Sullivan, Eugene D., assignee: See—
Shaffer, Owen S.
- Osuna, José R., Mariano, Cuba. Apparatus for continuous clarification. Re. 22,814; Dec. 3.

- Oswald, Carl L., New York, N. Y., assignor to himself, as trustee for himself and Warren Dunham, Foster, Eustis, Fla. Repeating flash and synchronizing apparatus. 2,395,500; Feb. 26.
- Oswald, James A.: *See—*
- Larsen, Merwin J., Schjonberg, and Oswald.
- Oswald, Olaf, Honolulu, Hawaii. Carburetor. 2,393,118; Jan. 15.
- Oswego Falls Corporation, assignee: *See—*
- Wilcos, Isaac L.
- Oswelner, Paul L.: *See—*
- Miller, Joseph E., and Oswelner.
- Othmer, Donald F.: *See—*
- Weisberg, Samuel M., Stimpson, Greenspan, and Othmer.
- Othmer, Donald F., Coudersport, Pa. Dehydration of acetic acid and other lower fatty acids. 2,395,010; Feb. 19.
- Otis Elevator Company, assignee: *See—*
- Burke, Theodore H. D.
- Burns, William H.
- Hall, Harry E.
- Hymans, Frederick.
- Lewis, Jacob D.
- Sanford, Seiden B., and Nutzel.
- Otis, Herbert C., Dallas, Tex. Methods and means for flowing wells. 2,393,404; Jan. 22.
- O'Toole, William F., Cheyenne, Wyo. Coin separator. 2,398,955; Apr. 23.
- Ott, Emil, assignor to Hercules Powder Company, Wilmington, Del. Terpene reaction product and producing. 2,413,648; Dec. 31.
- Off, Percy W., assignor to Ranco Incorporated, Columbus, Ohio. Testing apparatus of the vibratory motion type. 2,399,503; Apr. 30.
- Ott, Thomas P., Berkeley, assignor to Union Oil Company of California, Los Angeles, Calif. Base coat for launching grease. 2,397,805; Apr. 2.
- Ottawa Steel Products, Incorporated, assignee: *See—*
- Laughend, James F.
- Ottenstein, Friedrich, Copenhagen, Denmark; vested in the Alien Property Custodian. Bottle closure. 2,404,741; July 23.
- Ottesen, Andrew, New York, N. Y. Receptacle cover. 2,405,667; Aug. 13.
- Otteson, Otto C., Racine, Wis. Razor blade holder. 2,406,160; Aug. 20.
- Ottl, Joseph, Oklahoma City, Okla. Louver operating means. 2,405,899; Aug. 13.
- Ottinger, Leon, assignee: *See—*
- Gage, Edward G.
- Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Apparatus for the production of ammonium sulphate. 2,409,790; Oct. 22.
- Otto, Ferdinand P.: *See—*
- Meyer, Ronald E., and Otto.
- Otto, Ferdinand P., and O. M. Reiff, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Hard resins. 2,394,560; Feb. 12.
- Otto, Ferdinand P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,403,453; July 9.
- Ottomano, Mario, Union City, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Yarn producing apparatus. 2,406,626; Aug. 27.
- Oulmet, Emil R., Brockton, Mass. Welt and making the same. 2,403,750; July 9.
- Oussani, James J., Brooklyn, N. Y. Electric fastener driving machine. 2,403,947; July 16.
- Outboard Marine & Manufacturing Company, assignee: *See—*
- Furry, John F.
- Overbeck, Wilcox P., Waltham, Mass., assignor to Research Corporation, New York, N. Y. Counting system. 2,404,918; July 30.
- Overbeck, Wilcox P., Waltham, Mass., assignor to Research Corporation, New York, N. Y. Electronic switching device and circuit therefor. 2,404,919; July 30.
- Overbeck, Wilcox P., Waltham, Mass., assignor to Research Corporation, New York, N. Y. Electronic discharge apparatus. 2,404,920; July 30.
- Overbeke, John, Cleveland Heights, Ohio. Fibrous cord. 2,401,956; June 11.
- Overbeke, John, Cleveland Heights, Ohio. Making fibrous bristles. 2,406,707; Aug. 27.
- Overbeke, John W., assignor to Simmonds Aerocessories, Inc., New York, N. Y. Sectional accumulator. 2,394,401; Feb. 5.
- Overbeke, John W., assignor to Simmonds Aerocessories, Inc., New York, N. Y. Pressure vessel. 2,401,791; June 11.
- Overbeke, John W., assignor to Simmonds Aerocessories, Inc., New York, N. Y. Accumulator. 2,401,792; June 11.
- Overlook Freight Corporation, assignee: *See—*
- Hewitt, Fred L.
- Overley, Charles A.: *See—*
- Black, Howard C., and Overley.
- Overly Bio-Chemical Research Foundation, Inc., The, assignee: *See—*
- Wallerstein, James S., Farber, and Dayton.
- Overly, Elmer G., Oakmont, Pa., assignor, by mesne assignments, to Pittsburgh Lithograph Press Corporation, New York, N. Y. Pay statement and envelope assembly. 2,413,449; Dec. 31.
- Overman, Ivan J., Marion, Ind. Drier for aggregates and the like. 2,411,751; Nov. 26.
- Owen, Dale, Bay City, assignor to Cappel, MacDonald & Company, Dayton, Ohio. Toy. 2,399,566; Apr. 30.
- Owen, Harold R., assignor to Electrical Products Corporation, Los Angeles, Calif. Gaseous discharge tube lighting fixture. 2,406,896; Sept. 3.
- Owen, Fred, Laguna Beach, Calif., assignor to J. H. and R. B. Kiel, Wilmette, Ill. Floor cleaning machine. 2,406,247; Aug. 20.
- Owen, John J., Baton Rouge, La., assignor to Standard Oil Development Company. Reduction of nitro compounds. 2,402,439; June 18.
- Owen, John J., Baton Rouge, La., assignor to Standard Oil Development Company. Manufacturing aromatic amines. 2,402,440; June 18.
- Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Manufacturing of cellulated bodies. 2,401,582; June 4, 1946.
- Owen, William, Pittsburgh, and I. C. Peck, Ford City, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for cutting prisms. 2,408,530; Oct. 1.
- Owen, William L.: *See—*
- Owen, William L., Jr., and W. L.
- Owen, William L., Jr., and W. L., Baton Rouge, La. Production of gum dextran. 2,392,258; Jan. 1.
- Owen, William O.: *See—*
- Hepburn, William M., and Owen.
- Owens-Corning Fiberglass Corporation, assignee: *See—*
- Beach, George.
- Biech, Lawrence P.
- Collins, Howard W.
- Dockerty, Stuart M.
- Ebaugh, Paul.
- McMillin, James R., and Lake.
- Miller, Kenneth J.
- Roberts, Richard M.
- Schoenlaub, Robert A.
- Simson, Allen L., and Fletcher.
- Slayter, Games, and Fletcher.
- White, Erven, and Smucker.
- Owens, Fred L., Richmond, Calif. Ventilating and deodorizing toilet. 2,406,507; Aug. 27.
- Owens, Freeman H., New York, N. Y. Program preselecting and control apparatus. 2,403,454; July 9.
- Owens, Freeman H., New York, N. Y. Program preselecting and control apparatus. 2,411,890; Dec. 3.
- Owens, Freeman H., New York, N. Y. Radio control apparatus. 2,411,891; Dec. 3.
- Owens-Illinois Glass Company, assignee: *See—*
- Baraby, Herbert A., and Wheaton.
- Belada, John.
- Bennett, Edward H.
- Darrah, William A.
- Duncan, Donald M., Wright, Jackson, and Heyne.
- Hanson, John E., and McCreery.
- Hofmann, Victor E.
- Holm, John, and Klatt.
- McCreery, Cecil W.
- Plummer, Walter D.
- Schreiber, Carl W.
- Sullivan, Emmet J.
- Waterbury, Neil M., and Tittel.
- Owens, James B., and R. H. Hiltson, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay control circuit. 2,404,982; July 30.
- Owens, James H., Camden, N. J., assignor to Radio Corporation of America. Beading projection screens. 2,404,454; July 23.
- Owens, Jesse C., Los Angeles, Calif. Antisiphonic plumbing unit. 2,397,906; Mar. 5.
- Owens, Jesse C., Los Angeles, Calif. Antisiphon ball cock valve. 2,409,890; Oct. 22.
- Owens, Jesse C., Los Angeles, Calif. Flush tank. 2,402,617; Dec. 17.
- Owens, Roy, Galveston, Tex. Pendulum vertical angle measuring instrument. 2,412,831; Dec. 17.
- Owens, Russell S., assignor to Wagner Electric Corporation, St. Louis, Mo. Anchor block supporting lever. 2,395,717; Apr. 16.
- Owens, Frank M., Bristol, assignor, by mesne assignments, to Rotol Limited, Gloucester, England. Propeller spinner. 2,408,677; Oct. 1.
- Oxford, Alan J. H.: *See—*
- Butemont, William A. S., and Oxford.
- Oxen, Howard, Berkeley, Calif. Adjustable propeller shaft bearing. 2,404,921; July 30.
- Ozark Chemical Company, assignee: *See—*
- Lange, Willy.
- Lange, Willy, and Livingston.
- Paulu, Alex, assignor to A. O. Smith Corporation, Milwaukee, Wis. Temperature indicator. 2,395,937; Mar. 5.
- Pasache, Jens A., Chicago, Ill. Air conditioner. 2,393,119; Jan. 15.
- Pasache, Jens A., Chicago, Ill. Fluid pressure regulator. 2,398,503; Apr. 16.

- Paasche, Jens A., Chicago, Ill. Coating machine. 2,400,315; May 14.
- Paasche, Jens A., Chicago, Ill. Air spraying device. 2,401,503; June 4.
- Paasche, Jens A., Chicago, Ill. Airbrush device. 2,401,504; June 4.
- Pabst Brewing Company, assignee: *See*—Darragh, John K., and Rue, Harold B.
- Pace, Henry A.: *See*—Pacevitz, Henry A.
- Pace, Henry A., assignor to Wingfoot Corporation, Akron, Ohio. Foundry core binder. 2,394,522; Feb. 5.
- Pace, Pauline F.: *See*—Butt, Charles A., Hallman, Bowden, Whitlow, and Pace.
- Pacevitz, Henry A., now by judicial change of name, H. A. Pace, assignor to Wingfoot Corporation, Akron, Ohio. Recovery process. 2,396,600; Mar. 12.
- Pacific Acetate and Chemical Company, assignee: *See*—Thomson, Alfred M.
- Pacific Bridge Company, assignee: *See*—Maier, Charles G.
- Pacific Can Company, assignee: *See*—Russell, George M.
- Pacific Electric Manufacturing Corporation, assignee: *See*—Foulds, Charles V., Schwager, August C., Thompson, Joseph S.
- Pacific Enterprise Products Co., assignee: *See*—Smith, Alvin J.
- Pacific Flush Tank Company, assignee: *See*—Piatt, William M.
- Pacific Lumber Company, The, assignee: *See*—Lewis, Harry F., Mead, Elmer C., Riehl, Harmon B.
- Pacific Machine Works: *See*—Blomgren, Walter R.
- Pacific Mills, assignee: *See*—Blouin, Joseph P., Musser, David M.
- Pacific Plastic and Manufacturing Company, assignee: *See*—Curt, Robert C.
- Pacifico, Marius L., Corning, N. Y. Defroster. 2,398,035; Apr. 9.
- Package Service Company, assignee: *See*—Norden, Ray H., and Needlake.
- Packard, David R., Palo Alto, and N. E. Porter, Berkeley, assignors to Hewlett-Packard Company, Palo Alto, Calif. Welding system. 2,412,745; Dec. 17.
- Packard, Edwin A., Yonkers, N. Y. Liquid solids separation apparatus. 2,406,248; Aug. 20.
- Packard Motor Car Company, assignee: *See*—Beltz, Lester L., Graves, William H., McFarland, Forest R., Vincent, Jesse G., and McFarland, Ware, Marsden.
- Packer, Lewis C., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable-speed motor. 2,409,891; Oct. 22.
- Packie, John W., Green Village, and W. S. Craft, Elizabeth, N. J., assignors to Standard Oil Development Company. Concentration of diolefins. 2,411,538; Nov. 26.
- Paddle, Leslie H., St. Paul's Cray, England. Reduction of metals to powdered or granular form. 2,402,441; June 18.
- Paden, Joseph H., Glenbrook, and J. S. Mackay, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of melamine. 2,396,193; Mar. 5.
- Padgett, William R., Pasadena, Tex. Miniature self-propelled airplane. 2,404,922; July 30.
- Padilla, Dante, Vallejo, Calif. Fire alarm contact device. 2,411,752; Nov. 26.
- Padva, Philip, assignor, by mesne assignments, to Thomas J. Nellan, Los Angeles, Calif. Photoelectric integrator. 2,410,550; Nov. 5.
- Page, Albert B., and F. R., assignors to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,409,306; Oct. 15.
- Page, Alfred E., assignor to W. & T. Avery Limited, Birmingham, England. Automatic weighing apparatus embodying a totalizing mechanism. 2,406,897; Sept. 3.
- Page, Frank R.: *See*—Page, Albert B., and F. R.
- Page, Herbert E., assignee: *See*—Aaron, Harry.
- Page, Herbert E., Pasadena, Calif. Hydraulic lift jack. 2,393,405; Jan. 22.
- Page, Herbert E., Pasadena, Calif. Vertical jack. 2,400,316; May 14.
- Page, Herbert E., Pasadena, Calif. Tripod jack. 2,407,796; Sept. 17.
- Page, Herbert E., Alhambra, Calif. Hydraulic torque wrench. 2,398,892; Apr. 16.
- Page, Herbert E., Alhambra, Calif. Hydraulic jack. 2,402,572; June 25.
- Page, John W., Chicago, Ill. Detachable bucket tooth. 2,393,706; Jan. 29.
- Pagel, Louis W., Denver, Colo. Game apparatus. 2,400,019; May 7.
- Paget, Win W., Michigan City, Ind., assignor to Sullivan Machine Valve device. 2,392,174; Jan. 1.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,407,679; Sept. 17.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,410,458; Nov. 5.
- Paige, Richard E., New York, N. Y. Jointed toy figure. 2,400,208; May 14.
- Pailhard, E., et Cie S. A., assignee: *See*—Frezioso, Giuseppe.
- Paille, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Thermoelectric generating device. 2,410,128; Oct. 29.
- Paine, Karl A.: *See*—Odum, William H., and Paine.
- Painter, David L., Chicago, Ill., assignor to J. F. Barnes, trustee. Cabinet for disks and the like. 2,402,076; June 11.
- Painter, John L., Jr., West Newton, Pa. Form to provide air passages in concrete walls. 2,407,441; Sept. 10.
- Painter, Rex H. G.: *See*—Browne, Donald B., Clarke, and Painter.
- Paiva, Albert: *See*—MacMillan, Douglas M., Vinton, and Paiva.
- Pakala, William E., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Firing circuit for ignitrons. 2,401,013; May 28.
- Pakala, William E., Forest Hills, and A. B. White, Murrysville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding system. 2,399,377; Apr. 30.
- Pako Corporation, assignee: *See*—Dye, Glen M., Sardeson, and Armstrong.
- Sardeson, Robert, and Savela.
- Paley, Harry, New York, N. Y. Toy holster for guns. 2,408,678; Oct. 1.
- Paley, Lewis A.: *See*—Gustafson, Hilding B., and Paley.
- Paley, Lewis A., Glen Ellyn, Ill., assignor to United States Gypsum Company, Chicago, Ill. Quick setting anhydrite and its manufacture. 2,410,390; Oct. 29.
- Paley, Lewis A., Glen Ellyn, and W. H. Young, assignors to United States Gypsum Company, Chicago, Ill. Fastener. 2,392,179; Jan. 1.
- Pallads Structures, Inc., assignee: *See*—Alcott, Frank H.
- Pall, David B., New York, N. Y., assignor, by mesne assignments, to American Cyanamid Company. Developing pigment properties of titanium dioxide. 2,397,430; Mar. 26.
- Pallich, Martin B., Houston, assignor of eighty per cent to G. C. Sarris, Bexar County, Tex. Broiler. 2,397,040; Mar. 19.
- Palliser, Leonard: *See*—Sherman, Monroe, and Palliser.
- Palmatier, Everett P., Upper Montclair, N. J., assignor to Curdise-Wright Corporation. Fan de-icing or anti-icing means. 2,406,473; Aug. 27.
- Palmer, Alvan M.: *See*—Rodgers, Frederick W., and Palmer.
- Palmer, Austin R., assignor to Baker Perkins Limited, Peterborough, England. Dough dividing machine. 2,408,679; Oct. 1.
- Palmer, Charles M., Washington, D. C. Eyelash curler. 2,410,391; Oct. 29.
- Palmer, Delores, Memphis, Tenn. Brassière. 2,411,334; Nov. 19.
- Palmer, Frank D., Chicago, Ill., assignor to Kraft Foods Company. Method and apparatus for forming lined boxes. 2,394,935; Feb. 12.
- Palmer, Frank D., Chicago, Ill., assignor to Kraft Foods Company. Concocting apparatus. 2,394,936; Feb. 12.
- Palmer, Fred S., and P. F. Gross, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of metal-free phthalocyanine coloring matter. 2,413,191; Dec. 24.
- Palmer, Jacob H., assignor to Ex-Cell-O Corporation, Detroit, Mich. Toolholder. 2,400,868; May 14.
- Palmer, Jewell S., Baytown, Tex., assignor to Standard Oil Development Company. Throttling valve. 2,403,751; July 9.
- Palmer, John B., Los Angeles, Calif. Campaign badge. 2,408,224; Sept. 24.
- Palmer, John P., Waukesha, Wis. Push-button pump type soap dispenser. 2,407,765; Sept. 17.
- Palmer, Richard W., Whittier, and J. M. Hudson, Downey, Calif., assignors by mesne assignments, to Consolidated Vultee Aircraft Corporation. Retractable landing gear for airplanes. 2,391,998; Jan. 1.
- Palmer, Robert C., Jr.: *See*—Fox, Samuel S., and Palmer.
- Palmer, Robert T., Sharon, Mass. Wet bulb thermometer and thermostat. 2,412,782; Dec. 17.
- Palmer, Walter E., Fair Lawn, N. J., assignor to Hollup Corporation, Chicago, Ill. Welding stud. 2,413,370; Dec. 31.
- Palmer, Wilson G., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Cap lining material and producing the same. 2,406,898; Sept. 3.

- Palmer, Winslow: *See—*
Ginzton, Edward L., Palmer, and Jenks.
- Palmaquist, Philip V., New Canada Township, Ramsey County, B. S. Cross, and G. P. Netherly, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflex light reflector. 2,407,680; Sept. 17.
- Palola, Marcus A., Calistoga, Calif. Wire twisting tool. 2,599,139; Apr. 23.
- Palotsee, John J., Youngstown, Ohio. Mandrel. 2,592,259; Jan. 1.
- Palotsee, John J., Youngstown, Ohio. Air intake for motors. 2,396,601; Mar. 12.
- Palotsee, John J., Youngstown, Ohio. Adjustable hone. 2,412,419; Dec. 10.
- Paluszek, Adam J., Port Chester, N. Y., assignor of 15 per cent to J. H. Hayes, Green Farms, Conn. Treatment of castor oil, and in castor oil containing products. 2,401,369; June 4.
- Pamphilis, George, assignor to Argonaut Engineering Corp., Hoboken, N. J. Welded ship. 2,393,655; Jan. 29.
- Pancoe, George W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Safety harness and control apparatus therefor. 2,394,523; Feb. 5.
- Panes, Isidore, New York, N. Y. Stay for corsets. 2,405,900; Aug. 13.
- Panes, Isidore, New York, N. Y. Adjustable breast pocket. 2,407,574; Sept. 10.
- Pangborn Corporation, assignee: *See—*
Keefer, Walter L.
- Pantalone, Vincent R., Hamden, assignor to National Folding Box Company, New Haven, Conn. Carton. 2,397,041; Mar. 19.
- Pantex Pressing Machine, Inc., assignee: *See—*
Lornitzo, Frank C.
Monsarrat, Nicholas.
- Panther Oil & Grease Mfg. Co., assignee: *See—*
Fewsmith, Alexander G.
- Panty-Zip, Inc., assignee: *See—*
D'Aprile, Carmen.
- Panzer, William C., Chicago, Ill. Knockdown stool or the like. 2,408,337; Sept. 24.
- Papadakos, Peter J.: *See—*
Andreopoulos, Theodore C., and Papadakos.
- Papazoni, Charles F., Allentown, Pa., assignor to Trojan Fowler Company, Trinitrotoluene manufacture. 2,402,180; June 18.
- Pape, Bruno L., New Braunfels, Tex. Pipe cleaner. 2,412,531; Dec. 10.
- Pape, Clifford B.: *See—*
Buchanan, Thomas B., and Pape.
- Paper Novelty Manufacturing Company, assignee: *See—*
Herold, Charles A.
- Pappas, Phillip M., Houston, Tex. Timing device. 2,393,559; Jan. 22.
- Papdorf, Robert A., Los Angeles, Calif. Self-acting stock feed. 2,406,508; Aug. 27.
- Papst, Hugh W., Hastings-on-Hudson, N. Y., assignor to Federal Telephone and Radio Corporation. Terminating high tension cables. 2,396,283; Mar. 12.
- Papworth Limited, assignee: *See—*
Sealey, Louis E.
- Paquette, Joseph A., San Mateo, Calif. Table and seat structure. 2,399,378; Apr. 30.
- Paquin, Joseph N.: *See—*
Stecher, Henry D. and Paquin.
- Par Manufacturing Co.: *See—*
Gideon, Victor W.
- Paradis, Lionel P., New York, and W. F. Auerbacher, Brooklyn, assignors to Radio-Television Institute, Inc., New York, N. Y. Regulator circuit. 2,401,096; May 28.
- Paradise, Moses L., Milwaukee, Wis. Curtain or drape hanger. 2,393,869; Jan. 29.
- Paragon Manufacturing Company, assignee: *See—*
Zappone, Charles J.
- Pardee, Harvey S., Ravinia, assignor, by mesne assignments, to Acme Industrial Company, Chicago, Ill. Shaft seal. 2,393,260; Jan. 22.
- Parenti, Joseph S., Buffalo, N. Y. Internal-combustion engine. 2,407,681; Sept. 17.
- Parfentjev, Ivan A., Nanuet, N. Y. Recovery of fatty substances. 2,395,790; Feb. 26.
- Parfentjev, Ivan A., Nanuet, N. Y. Salvage from fish viscera. 2,406,249; Aug. 20.
- Parham, Burley L., Southport, Ind. Extensible length level. 2,398,851; Apr. 23.
- Parilla, Arthur R., Garden City, N. Y. Automatically retractible landing gear. 2,401,097; May 28.
- Paris, Robert E., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Record perforating machine. 2,396,884; Mar. 12.
- Paris, Robert E., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,398,036; Apr. 9.
- Parisier, Maurice, New York, N. Y. Reverberations modulator. 2,403,231; July 2.
- Parisier, Maurice, New York, N. Y. Reverberation modulator for echo effect. 2,403,232; July 2.
- Park, Charles R.: *See—*
Hanson, Elmo E., and Park.
- Park Chemical Company, assignee: *See—*
Kramer, Paul H.
- Park, Joseph D.: *See—*
Benning, Anthony F., and Park.
Benning, Anthony F., Downing, and Park.
- Park, Joseph D., Wilmington, Del., and W. W. Rhodes, Westtown, Pa., assignors to Kinetic Chemicals, Inc., Wilmington, Del. Wax free pyrethrin solutions. 2,410,101; Oct. 29.
- Park, Malcolm S.: *See—*
Perkins, Kenneth, and Park.
- Park, Robert H.: *See—*
Glennon, James B., and Park.
- Parke, Davis & Company, assignee: *See—*
Bambas, Louis L.
Cheney, Lee C., and Bywater.
Henze, Henry R.
Jones, Edward G., and Kamm.
Lawson, Elmer J., and Parke.
Long, Loren M.
Marker, Russell E.
Marker, Russell E., Crooks, Jr., and Wittie.
Marker, Russell E., and Wittie.
Piffner, Joseph J., Binkley, Bloom, and Emmett.
Rawlins, Albert L.
Smith, Henry P.
Smith, Harry P., and Seegers.
Tendick, Frank H.
Wagner, Romeo B.
- Parke, Harvey C.: *See—*
Lawson, Elmer J., and Parke.
- Parker, Alvin S., Jr., High Point, N. C. Clothes drying, blocking, or stretching device. 2,410,230; Oct. 29.
- Parker Appliance Company, The, assignee: *See—*
Chavayda, Joseph J.
Dummebeck, Robert E.
Hartley, Emmett C.
Melichar, Joseph F.
Melichar, Joseph F., and Margrave.
Parker, Arthur L., and Melichar.
Parker, Arthur L., and Melichar.
Wolfram, John N.
Wolfram, John N., and Maky.
- Parker, Arthur L., deceased, Cleveland, by H. M. Parker, executrix, Shaker Heights, assignor to The Parker Appliance Company, Cleveland, Ohio. Antiseizing paste for sealing threaded joints and the like. 2,393,929; Jan. 29.
- Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Pipe coupling. 2,394,097; Feb. 5.
- Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling structure for flexible tubes. 2,394,632; Feb. 12.
- Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,398,555; Apr. 16.
- Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Fluid dispensing device. 2,399,245; Apr. 30.
- Parker, Arthur L., assignor of one-half to Logansport Machine, Incorporated, Logansport, Ind., and one-half to The Parker Appliance Company, Cleveland, Ohio. Tube coupling. 2,404,142; July 16.
- Parker, Arthur L., deceased, by H. M. Parker, executrix, Shaker Heights, assignor to The Parker Appliance Company, Cleveland, Ohio. Sump selector valve. 2,409,223; Oct. 15.
- Parker, Arthur L., and J. F. Melichar, assignors to The Parker Appliance Company, Cleveland, Ohio. Engine primer. 2,412,532; Dec. 10.
- Parker, Carlyle V.: *See—*
Meacham, Larned A., Mohr, and Parker.
- Parker, Charles H., and W. W. Covington, Lansdowne, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Clamping apparatus. 2,400,708; May 21.
- Parker, Chesley, assignee: *See—*
Hallum, Jesse J., Sr.
Parker, Daniel H.: *See—*
Miller, Carroll E.
- Parker, Earl R., Schenectady, N. Y., assignor to General Electric Company. Strong, machinable, heat-resistant alloy. 2,404,247; July 16.
- Parker, Earl R., Schenectady, N. Y., assignor to General Electric Company. Heat-resistant alloy. 2,404,248; July 16.
- Parker, Edward A., Redmond, Oreg. Rail torpedo fork. 2,412,746; Dec. 17.
- Parker, Edwin D.: *See—*
Irving, George W., Merrifield, Burnett, and Parker.
- Parker, Ernest V., Oakland, Calif. Fuel salvage unit. 2,401,880; June 11.
- Parker, Ernest W., West Roxbury, Mass. Fish lure casting plug. 2,413,371; Dec. 31.
- Parker, Glenn H., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle suspension. 2,393,183; Jan. 15.
- Parker, Helen M., executrix: *See—*
Parker, Arthur L.
- Parker, Henry C., Washington, D. C., and F. D. Prager, Chicago, Ill., assignors to Graver Tank & Mfg. Co., Inc. Apparatus for clarifying and purifying liquids. 2,411,386; Nov. 19.

- Parker Manufacturing Company, assignee: *See*—
Cacarillo, Anthony J.
Lenk, Kurt H., and Priest.
- Parker, Matthew: *See*—
Russell, Alexander, Parker, and Harris.
- Parker, Paul T.: *See*—
Squires, Walter, Jr., and Parker.
Waterman, Wendell W., and Parker.
- Parker Pen Company, The, assignee: *See*—
Baker, Martin S.
Heagney, Walter J.
Healy, Emmett.
Hull, Philip C.
Mohns, David F.
Ormsby, Lester W.
- Parker, Ralmond D., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph ciphering key tape machine. 2,406,031; Aug. 20.
- Parker, Ralmond D., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal enciphering mechanism. 2,406,032; Aug. 20.
- Parker, Ralmond D., Brooklyn, W. T. Rea, Manhasset, and F. J. Singer, Rockville Centre, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Data transmission system. 2,405,603; Aug. 13.
- Parker, Robert L., Jr., South Pasadena, and H. C. Huffman, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif. Catalyst rejuvenation. 2,408,996; Oct. 8.
- Parker, Robert P.: *See*—
Lecher, Hans Z., Goulding, and Parker.
Lecher, Hans Z., Parker, and Denton.
- Parker, Robert P., Somerville, and J. J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Azo derivatives of amino diphenylamines. 2,392,180; Jan. 1.
- Parker, Robert P., Somerville, and C. M. Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Diphenylamine azo dyestuffs. 2,392,181; Jan. 1.
- Parker, Robert P., Somerville, and J. M. Smith, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Omega-alkoxyalkyl ethers of diphenylamines. 2,393,930; Jan. 29.
- Parker, Robert P., Somerville, and J. J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Derivatives of glycols. 2,394,257; Feb. 5.
- Parker, Robert P., Somerville, and J. J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Azo dyestuffs. 2,394,258; Feb. 5.
- Parker, Robert P., Somerville, and C. M. Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Tetrahydrofurfuryl ether of aminodiphenylamine. 2,400,030; May 7.
- Parker, Robert P., Somerville, N. J., and A. J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkamine derivatives of para aminomethyl benzoic acid. 2,406,627; Aug. 27.
- Parker Rust Proof Company, assignee: *See*—
Tanner, Robert R.
- Parker, Samuel P., assignor to Callaway Mills, La Grange, Ga. Loom. 2,405,975; Aug. 20.
- Parker, Samuel P., assignor to Callaway Mills, La Grange, Ga. Weaving apparatus. 2,412,353; Dec. 10.
- Parker, Samuel P., assignor to Callaway Mills, La Grange, Ga. Loom shedding means. 2,412,354; Dec. 10.
- Parker, Samuel P., assignor to Callaway Mills, La Grange, Ga. Loom. 2,412,355; Dec. 10.
- Parker Stamp Works, Inc., The, assignee: *See*—
Wild, Edward, and Bitter.
- Parker, Ward L., Huntington Park, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Control valve. 2,393,805; Jan. 29.
- Parkersburg Rig & Reel Company, The, assignee: *See*—
De La Mater, Robert C.
- Parkes, Ralph C., Glenside, Pa. Expandible pole construction for drying machines. 2,398,190; Apr. 9.
- Parkhurst, Layton M., Buffalo, N. Y. Apparatus for mixing and placing concrete. 2,394,561; Feb. 12.
- Parkhurst, Malcolm K., New York, N. Y., assignor to The Wilcoator Company, Elizabeth, N. J. Automatic change-over relay. 2,410,677; Nov. 5.
- Parkhurst, Malcolm K., New York, N. Y., assignor to The Wilcoator Company, Elizabeth, N. J. Control inverter change-over system. 2,410,678; Nov. 5.
- Parkin, George W., Esmond, R. I. Yarn holder for bobbin transfer magazines. 2,396,120; Mar. 5.
- Parkin, Leslie, Nottingham, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sliding clasp fastener. Re. 22,715; Jan. 22.
- Parkins, Wright A., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Piston. 2,408,875; Oct. 8.
- Parkinson, David B.: *See*—
Lovell, C. A., Parkinson, Swartzel, and Weber.
Lovell, Clarence A., Parkinson, and Weber.
- Parkinson, David B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire winding machine. 2,406,397; Aug. 27.
- Parkinson, David B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Range converter. 2,407,325; Sept. 10.
- Parks, Leonard A., Beaumont, Tex. Bottle carrier. 2,395,755; Feb. 26.
- Parks, Noel W.: *See*—
Oganowski, Kasimir, Parks, and Coburn.
Parks and Woolson Machine Company, assignee: *See*—
Hadley, Wilfred N.
- Parmelee, Alfred E.: *See*—
Bertoletti, William B., and Parmelee.
- Parmelee, Alfred E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of tetraethyl lead. 2,410,356; Oct. 29.
- Parmelee, William H., Bethel Township, Allegheny County, Pa., assignor to Wheeling Stamping Company, Wheeling, W. Va. Making molded plastic articles. 2,401,180; May 28.
- Parmenter, Frank D., Toronto, Ontario, Canada. Screen. 2,402,340; June 18.
- Parr, Josephus O., Jr., assignor to Olive S. Petty, San Antonio, Tex. Separation of blasting circuit leads. 2,407,442; Sept. 10.
- Parr, William F., Suffolk, Va. Internal adjustable thread gauge. 2,412,751; Dec. 17.
- Parrazo, Alfredo J., Vibora, Cuba. Cake cutter. 2,403,190; July 2.
- Parris, Clarence H., Jr.: *See*—
Backus, Thomas, and Parris.
- Parish, Roger E., Sr.: *See*—
Groom, Roy L., and Parrish.
- Parrish, William C., Park Ridge, assignor to Stewart-Warner Corporation, Chicago, Ill. Blower. 2,398,113; Apr. 9.
- Parrott, Fleming, Madsen, Ontario, Canada. Rock drill. 2,396,747; Dec. 19.
- Parrott, Forrest, assignee: *See*—
Burch, Willie D.
Parrott, Percy F.
- Parrott, Percy F., Toledo, Ohio, assignor to L. Parrott. Vehicle jack. 2,411,803; Nov. 26.
- Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feed regulating means for sewing machines. 2,410,790; Nov. 5.
- Parry, Frank, Deptford, London S. E. 8, assignor to Molins Machine Company, Limited, Deptford, London, England. Machine for charging clips which form the links of cartridge belts. 2,412,747; Dec. 17.
- Parschin, Alexander: *See*—
Enger, Per J. S., and Parschin.
- Parsons, Ben G., Grosse Pointe, assignor to Fuel Charger Corporation, Detroit, Mich. Fuel injector. 2,405,163; Aug. 5.
- Parsons, Clinton H.: *See*—
Scott, Everett C., and Parsons.
- Parsons, Edward T., Upper Montclair, and H. W. Sawyer, Nutley, N. J. Roofing. 2,405,325; Aug. 6.
- Parsons, George C., Long Beach, Calif. Ship light. 2,395,756; Feb. 26.
- Parsons, Gertrude M., Wausau, Wis. Combined bed and crib. 2,412,005; Dec. 3.
- Parsons, Harrison O., Houston, Tex. Gauging and sampling device. 2,404,087; July 16.
- Parsons, Irvn, Bassett, Nehr. Branding and dehorning chute. 2,396,928; Mar. 19.
- Parsons, John B., Toledo, Ohio. Motor-pump unit. 2,393,406; Jan. 22.
- Parsons, John B., Toledo, Ohio. Vehicle window regulator mounting. 2,398,852; Apr. 23.
- Parsons, John B., Toledo, Ohio. Regulator mechanism unit. 2,400,572; May 21.
- Parsons, John B., Toledo, Ohio. Cylinder assembly. 2,403,020; July 2.
- Parsons, John T., and A. V. Brogren, Detroit, Mich. Bomb protective band. 2,412,420; Dec. 10.
- Parsons Marine Steam Turbine Company Limited, The, assignee: *See*—
Cook, Stanley S., and Douglas.
- Parsons, Robert J., Schenectady, assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Heating control. 2,392,290; Jan. 1.
- Parsons, Robert J., Schenectady, assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Hydraulic device. 2,408,338; Sept. 24.
- Parsons, Robert J., Schenectady, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Damper control. 2,409,064; Oct. 8.
- Parsons, Robert J., Schenectady, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Damper control. 2,411,834; Nov. 26.
- Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Handle. 2,396,194; Mar. 5.
- Parthemos, Pete, assignee: *See*—
Stevens, George.
- Partington, Douglas E.: *See*—
Cooper, Alfred, and Partington.
Partington, Edward J.: *See*—
Mock, Frank C., and Partington.
- Partington, Edward J., assignor to Bendix Products Corporation, South Bend, Ind. Change forming device. 2,400,369; May 14.

- Partiot, Maurice, Pratt Island, Noroton, Conn., assignor to The Nitralloy Corporation. Armor plate construction. 2,399,691; May 7.
- Partridge, Everett P., Beaver, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Well drilling mud and process. 2,393,560; Jan. 22.
- Partridge, Morris N., Jackson Heights, N. Y. Signal. 2,399,057; Apr. 23.
- Paschke, Herbert, and J. W. Wiley, assignors to Armstrong Cork Company, Lancaster, Pa. Making cork composition cartridge plugs. 2,394,524; Feb. 5.
- Pascoe, Frank T., Carnegie and A. L. Jerome, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,411,387; Nov. 19.
- Pascoo, Alex, New York, N. Y. Safety razor. 2,412,906; Dec. 17.
- Pash, Robert, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material treating apparatus. 2,409,953; Oct. 22.
- Pasquier, Michel, Portland, Oreg. Treating plywood. 2,400,051; May 7.
- Pass, Sam, assignee: See—
Lenz, Lionel C.
- Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion. 2,396,965; Mar. 19.
- Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion. 2,396,966; Mar. 19.
- Passow, Edward B., Park Ridge, Ill., assignor to Zenith Radio Corporation. Tone control. 2,393,184; Jan. 15.
- Patch, Allen J., Ripon, Wis. Washing machine. 2,403,233; July 2.
- Patch, Earl S., Dayton, Ohio, and W. T. Moore, Washington, D. C., assignors to General Motors Corporation, Detroit, Mich. Projectile. 2,409,307; Oct. 15.
- Patchen, Elester R., Lakeville, Conn., assignor to Local Industries, Incorporated. Apparatus for forming skis, etc. 2,406,628; Aug. 27.
- Patent Button Company, The, assignee: See—
Purinton, Forrest G.
- Patent and Licensing Corporation, The, assignee: See—
Cubberley, Richard H., and Yeager.
- Ellersgaard, Asger.
- Patents, C. D., Limited, assignee: See—
Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Philipotts.
- Patents Research Corporation, assignee: See—
Boucke, Heinz.
- Guanella, Gustav.
- Pateras Pescara, Raul, Lisbon, Portugal. Cylinder construction. 2,406,100; Aug. 20.
- Paterson Engineering Company Limited, The, assignee: See—
Smalley, William.
- Paterson, William J., Newton Highlands, assignor to Lever Brothers Company, Cambridge, Mass. Hydrobleaching glyceride oils. 2,410,102; Oct. 29.
- Pathe Tool Manufacturing Co. Inc., assignee: See—
Behrens, Walter A.
- Patience, William M., and D. E. Kimball, 2nd, assignors to Darling & Company, Chicago, Ill. Loading and unloading machine. 2,409,513; Oct. 15.
- Patino, Alex, assignor to Croname Incorporated, Chicago, Ill. Portable radio receiver. 2,396,121; Mar. 5.
- Paton, Clyde R., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Cooling system. 2,411,936; Dec. 3.
- Patrick, Clarence W.: See—
Kent, Floyd A., and Patrick.
- Patrick, Joseph C., assignor to Thiokol Corporation. Monodisulphide polymer. 2,392,402; Jan. 8.
- Patrick, Joseph C., Morrisville, Pa., and H. R. Ferguson, assignors to Thiokol Corporation, Trenton, N. J. Reactive sulphide polymer and process of making it. 2,402,977; July 2.
- Patrick, Joseph M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Hand wheel for looms. 2,398,853; Apr. 23.
- Patrick, Lawrence: See—
Leedy, Jesse.
- Patrick, Walter A., Jr., Baltimore, Md. Dehydrating method and apparatus. 2,399,504; Apr. 30.
- Patrick, Walter A., Jr., Mount Washington, assignor to The Davison Chemical Corporation, Baltimore, Md. Preparing a gel product for absorption of poisonous gases. 2,400,709; May 21.
- Patrick, Walter A., Jr., and J. D. Elder; said Elder assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Dehydrating method and apparatus. 2,399,246; Apr. 30.
- Patrick, Walter A., Jr., and J. D. Elder; said Elder assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Dehydrating apparatus. 2,399,247; Apr. 30.
- Patrick, William E., Jr., Silver Spring, Md. Depth charge arbor. 2,398,445; Apr. 16.
- Patrick, William E., Jr., Silver Spring, Md., and E. P. Gebhard, Arlington, Va. Depth charge projector. 2,399,248; Apr. 30.
- Patt, Donald I.: See—
Kneppick, Robert C., Patt, and Randall.
- Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation. Treating distillery slop. 2,391,918; Jan. 1.
- Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation. Treatment of winery slops. 2,404,398; July 23.
- Pattee, John B., assignor to The Bristol Company, Waterbury, Conn. Apparatus for detecting small direct currents. 2,405,049; July 30.
- Patterson, Allen L., assignor to Allied Engineering Corporation, New Haven, Conn. Voice amplifying device. 2,402,324; June 18.
- Patterson, Alonzo C.: See—
Levey, Harold A.
- Levey, Harold A., and Patterson.
- Patterson, Alonzo C., and H. C. Ganter, New Orleans, La.; said Ganter, assignor to said Patterson. Boat. 2,396,721; Mar. 19.
- Patterson, Charles H. J., assignor to The McNally-Pittsburg Manufacturing Corporation, Pittsburg, Kans. Mechanism for mechanical concentrating devices. 2,405,976; Aug. 20.
- Patterson, Clarence, Cullman, Ala. Adjustable parallel beam cultivator. 2,413,467; Dec. 31.
- Patterson, Donald J., Los Angeles, Calif., assignor to Simmonds-Barber & Co., Gardner, Mass. Hammer control mechanism. 2,405,901; Aug. 13.
- Patterson, Everett M., Waterbury, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Woven-wire resistance and forming the same. 2,407,326; Sept. 10.
- Patterson, Everett M., Waterbury, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire-wound resistance and making same. 2,408,092; Sept. 24.
- Patterson, Everett M., Waterbury, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making wire-wound card-type resistance devices. 2,408,093; Sept. 24.
- Patterson, Frank M., Pitman, N. J. Low water alarm. 2,411,457; Nov. 19.
- Patterson, Franklin G., Schenectady, N. Y., assignor to General Electric Company. Transmission system. 2,412,161; Dec. 3.
- Patterson, Gordon D.: See—
Sloan, Clifford K., and Patterson.
- Patterson, John A., Westfield, N. J., assignor, by mesne assignments, to Standard Alcohol Company. Purification of monohydric alcohols. 2,402,077; June 11.
- Patterson, John A., Westfield, N. J., assignor to Standard Oil Development Company. Separation and purification of isoprene. 2,407,997; Sept. 24.
- Patterson, John A., Beacon, assignor to The Texas Company, New York, N. Y. Lubricant. 2,403,234; July 2.
- Patterson, Letha L.: See—
Schoen, André, and Patterson.
- Patterson, Reginald H.: See—
Cartwright, Harold N., Davies, and Patterson.
- Patterson, Robert J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalysts. 2,395,291; Feb. 19.
- Patterson, Robert J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of butane. 2,404,923; Jan. 30.
- Patterson, Roy I., Golden Valley, Minn. Grain unloading and loading mechanism. 2,410,996; Nov. 12.
- Patterson, Ward S.: See—
Jackson, George P., and Patterson.
- Powell, E. M., and Patterson.
- Patterson, Wilbur L., Fairfax, Va., and J. V. Karabinos, Columbus, Ohio, assignors, by mesne assignments, to Wyeth Incorporated, Philadelphia, Pa. Biotin intermediate. 2,400,436; May 14.
- Patterson, Wm. L., Cheshire, N. H., and J. V. Karabinos, Columbus, Ohio, assignors, by mesne assignments, to Wyeth Incorporated, Philadelphia, Pa. 3,4-Dibromotetrahydrothiophene. 2,411,225; Nov. 19.
- Pattilloch, Donald K., Springfield, Mass., assignor of one-half to Chemical Development Company, Chicago, Ill., and one-half to G. B. Fowler, Springfield, Mass. Paper sizing. 2,410,357; Oct. 29.
- Pattison, Herbert J., Grosse Pointe Park, assignor to Briggs Manufacturing Company, Detroit, Mich. Making patterns. 2,398,195; Mar. 5.
- Pattison, James L., Shelbyville, assignor to Davenport-Woolsey Processing Corporation, Chattanooga, Tenn. Producing knitted fabrics with locked selvages. 2,401,505; June 4.
- Patton, James R., Jr.: See—
Truitt, Robert C., Stiff, Schubert, Patton, and Youngquist.
- Patton, Joseph L.: See—
Shaver, Elmer E., and Shaver.
- Paul, Christ D., Dearborn, Mich. Adapter for grinding wheels. 2,398,664; Apr. 16.
- Paul, Herman L., New Rochelle, N. Y. Valve. 2,394,471; Feb. 5.
- Paul, Irving, Chicago, Ill. Combination lock and latch for doors. 2,407,900; Sept. 17.
- Paul, Oreas H.: See—
Elliot, Donald C., and Paul.
- Paul, Peter, Inc., assignee: See—
Zeun, Louis H.

- Paul, Philip T.: *See*—
Howland, Louis H., and Paul.
Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Chemicals. 2,401,658; June 4.
Paul, Wanda L., New York, N. Y. Flashlight. 2,401,014; May 28.
Paulette, Albert J., Waterville, Maine. Chimney structure. 2,398,393; Apr. 16.
Paulin, Rudolph: *See*—
Kradel, Fred L., and Paulin.
Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole channel and rib cementer. 2,400,163; May 14.
Paulson, Bernard J., Waukesha, Wis. Thrust ring for propellers. 2,396,340; Mar. 12.
Paulson, Bernard J., Waukesha, Wis. Propeller. 2,413,372; Dec. 31.
Paulus, Charles L., Dayton, Ohio. Insert locking means. 2,395,063; Feb. 19.
Paulus, Charles L., Dayton, and F. A. Cullman, Jr., Osborn, Ohio. Stick control unit. 2,397,978; Apr. 9.
Paulus, Charles L., and R. K. Stout, Dayton, Ohio. Automatic clutch and brake for electric motors and generators. 2,405,508; Oct. 1.
Pauly Jail Building Company, assignee: *See*—
Albrecht, Edmund C., and Cerny.
Pava, Jack R., assignor of one-half to D. F. Pincock, Santa Barbara, Calif. Plaster bandage machine. 2,405,577; Oct. 1.
Pavelka, Joseph, assignee: *See*—
Becker, Lester O.
McCullough, Paul J.
McCullough, Paul J., and Steuber.
Pavelka, Joseph, St. Louis, Mo. Wire connector. 2,398,504; Apr. 16.
Pavey, Clarence A., Seattle, Wash. Airplane tire prerotating means. 2,411,668; Nov. 26.
Pavlecka, Vladimir H.: *See*—
Phelan, Arthur J., and Pavlecka.
Pavlecka, Vladimir H., Pacific Palisades, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Turbine stator. 2,405,164; Aug. 6.
Pavlecka, Vladimir H., Pacific Palisades, and J. K. Northrop, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane power plant. 2,409,446; Oct. 15.
Pavlic, Albert A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process. 2,408,094; Sept. 24.
Pavlic, Albert A., Claymont, and W. J. Peppel, Wilmington, Del. assignors by mesne assignments, to Government of the United States, as represented by the Secretary of War. Thiol derivatives. 2,397,689; Apr. 2.
Pavlick, Michael A.: *See*—
Knoth, Fred, Jr., and Pavlick.
Pavlish, Arnold E.: *See*—
Harder, Oscar E., and Pavlish.
Pawlus, Leo J., and N. L. Rossig, Eureka, Calif. Sealing flange for kitchen sinks and like fixtures. 2,397,690; Apr. 2.
Paxman, Edward P., Colchester, England. Valve mechanism of internal-combustion engines. 2,397,882; Apr. 2.
Paxton, Arlie L., executrix, et al.: *See*—
Paxton, John W.
Paxton, George N., assignee, et al.: *See*—
Paxton, John W.
Paxton, John W., assignor of one-third to G. N. Paxton, Bloomington, and one-third to I. R. Cornish, Elmhurst, A. L. Paxton and The National Bank of Bloomington, Bloomington, Ill., executors of said G. N. Paxton, deceased. Filing cabinet. 2,409,308; Oct. 15.
Paxton, John W., Bloomington, and I. R. Cornish, Elmhurst, Ill. Typewriter support. 2,401,181; May 28.
Paxton, John W., Bloomington, and I. R. Cornish, Elmhurst, Ill. Desk attachment. 2,401,182; May 28.
Paxton, John W., Bloomington, and I. R. Cornish, Elmhurst, Ill. Filing Cabinet. 2,405,668; Aug. 13.
Paymer, Joseph, Brooklyn, N. Y. Motor vehicle attachment. 2,406,161; Aug. 20.
Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Piston construction. 2,392,182; Jan. 1.
Payne, Frank E., assignor to Crane Packing Company, Chicago, Ill. Seal. 2,403,298; July 2.
Payne, Frank U., Farmer, Tenn. Bottle dispensing refrigerator. 2,405,444; Oct. 1.
Payne, John W.: *See*—
Simpson, Thomas P., Payne, and Crowley.
Simpson, Thomas P., Payne, and Evans.
Payne, Grady L.: *See*—
Petty, Theodor A., and Payne.
Payne, John W., assignee: *See*—
Simpson, Thomas P., Payne, and Crowley.
Payne, John W., and E. L. Sargent, Woodbury, and H. G. Daley, Woodbury Heights, N. J., assignors to Socony Company, New York, N. Y. Incorporated. Mixer and distributor. 2,397,326; Mar. 26.
Payne, John W., Woodbury, and Henry D. Noll, Wenonah, and Vladimir A. Kalichevsky, Woodbury, N. J., assignors to Socony Vacuum Oil Company, New York, N. Y. Method of coking oils. 2,403,608; July 9.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam. 2,406,432; Aug. 27.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam with warp holding means. 2,406,435; Aug. 27.
Payne, Robert T., Upland, Calif. Poultry feeder. 2,408,477; Oct. 1.
Payne, William D., assignee, et al.: *See*—
PHELPS, CLARENCE I.
Payne, William H., La Grange, Ill. Furnace roof construction. 2,401,370; June 4.
Paynter, Horace J., Union, N. J., assignor to American Can Company, New York, N. Y. Machine for making fiber containers. 2,394,007; Feb. 5.
Paynter, Horace J., Union, N. J., assignor to American Can Company, New York, N. Y. Spraying machine. 2,403,994; July 16.
Pazandak, Louis A.: *See*—
Nelson, Walter N., and Pazandak.
Peach, John R., Wichita, Kans. Vehicle suspension. 2,396,628; Mar. 12.
Peacock, Arnold L., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Glow discharge lamp. 2,413,650; Dec. 31.
Peaker, Charles R., Union City, Conn., assignor to United States Rubber Company, New York, N. Y. Creaming of synthetic rubber latices. 2,393,261; Jan. 22.
Peaker, Charles R., Union City, Conn., assignor to United States Rubber Company, New York, N. Y. Articles of rubberlike material. 2,400,164; May 14.
Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Abrasive cutoff machine. 2,401,659; June 4.
Pearce, George C., and A. O. Grooms, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,396,284; Mar. 12.
Pearce, William G. M., Cork, Eire, and G. H. B. Yoxon, Erdington, Birmingham, assignors to Dunlop Rubber Company Limited, County of London, England. Production of raw tire stock. 2,411,693; Nov. 26.
Pearis, Samuel H., assignee: *See*—
Rogers, Gerrit P.
Pearle, George, Jackson Heights, assignor to Gilton Products Co., Inc., Kings County, N. Y. Step stool. 2,400,779; May 21.
Pearson, Donald B.: *See*—
Sias, Frederick R., and Pearson.
Pearson, Elmer W., Red Wing, Minn. Micrometer lapping fixture. 2,404,525; July 23.
Pearson, George V., Denver, Colo. Multiple wheel suspension for vehicles. 2,395,640; Feb. 26.
Pearson, Gerald L.: *See*—
Kleinack, Joseph J., and Pearson.
Pearson, Gerald L., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Controllable resistor. 2,396,196; Mar. 5.
Pearson, Henry P.: *See*—
Greene, Edmund, and Pearson.
Pearson, Herbert P., New York, N. Y., assignor to H. B. Bishop, Summit, N. J. Bituminous paved surface and making the same. 2,411,634; Nov. 26.
Pearson, John M., Aldan, Pa., and C. R. Nichols, Dallas, Tex., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Electrical prospecting method and apparatus. 2,401,371; June 4.
Pearson, Otto H., Salt Lake City, Utah. Heating attachment for horns. 2,409,954; Oct. 22.
Pearson, Swan A., Chicago, Ill. Combustion control apparatus. 2,408,445; Oct. 1.
Pearson, William J., Los Angeles, Calif. Cost computing meter. 2,410,743; Nov. 26.
Pearson, William S., Severna Park, Md., assignor to Peercio, Inc., Park Ridge, Ill. Surface treating machine. 2,398,556; Apr. 16.
Pease, Benjamin F., Jr., Grafton, Mass. Garment supporting belt. 2,392,761; Jan. 8.
Pease, Benjamin F., Jr., Grafton, Mass. Garment lacing. 2,409,381; Oct. 15.
Pease, C. F., Company, The, assignee: *See*—
Brunk, Harold J.
Pease, Charles F., Long Beach, Calif. Vending machine. 2,410,231; Oct. 29.
Pease, Donald C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of hydroxyloxy-containing terpolymers of ethylene. 2,403,465; July 9.
Pease, Fred F.: *See*—
Bodman, John W., and Pease.
Pecher, Charles, Berkeley, Calif., assignor to Research Corporation, New York, N. Y. Transmitting secret intelligence. 2,407,351; Sept. 10.
Pechet, Maurice M., Cambridge, Mass., assignor to Hardy Metallurgical Company, New York, N. Y. Production of metal hydrides. 2,392,545; Jan. 8.
Pechkranz, Rodolphe, Geneva, Switzerland. Projection apparatus. 2,401,506; June 4.
Pechukas, Alphonse, and G. Atkinson, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny City, Pa. Preparation of titanium dioxide pigment. 2,394,633; Feb. 12.
Pechy, William, Manassquan, N. J., assignor to American Can Company, New York, N. Y. Sheet separating and feeding mechanism. 2,392,403; Jan. 8.

- Peck, Albert C.: *See*—
Fisher, Harmon F., and Peck.
- Peck, Edward B., Elizabeth N. J., assignor, by mesne assignments, to Standard Catalytic Company. Aviation gasoline production. 2,409,382; Oct. 15.
- Peck, Garrette W., Pensacola, Fla., assignor to H. W. Taylor, Richmond, Va. Aircraft transport plane. 2,412,285; Dec. 10.
- Peck, Ivan F.: *See*—
Owen, William, and Peck.
- Peck, Steven P.: *See*—
Bednar, Joseph J., and Peck.
- Peck, William F., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Optical instrument. 2,395,577; Feb. 26.
- Peck, William F., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Projection apparatus. 2,407,511; Sept. 10.
- Pecker, Harry, Lynn, Mass. Shoe binding for platform soles. 2,409,892; Oct. 22.
- Pecker, Joseph S., Philadelphia, Pa. Amphibian aircraft landing gear. 2,394,472; Feb. 5.
- Pecker, Joseph S., Philadelphia, Pa. Aircraft rotor wing construction. 2,410,609; Nov. 5.
- Peckham, George T., Jr., assignor to Clinton Company, Clinton, Iowa. Manufacture of syrup. 2,395,907; Mar. 5.
- Peckham, George T., Jr., assignor to Clinton Company, Clinton, Iowa. Manufacture of syrup. 2,395,938; Mar. 5.
- Peckham, Robert H., U. S. Navy. Photographic developing tank. 2,405,233; Aug. 6.
- Peco Manufacturing Corporation, assignee: *See*—
Errig, William F., and De Hart.
- Pedersen, Axel V., Los Angeles, Calif. Frame structure. 2,408,583; Oct. 15.
- Pedersen, Charles J.: *See*—
Dietrich, Melvin A., and Pedersen.
- Pedersen, Charles J., Penns Grove, N. J., and R. O. Bender, Ridley Park, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of petroleum hydrocarbons. 2,401,957; June 11.
- Pedersen, Hans V., Marshalltown, Iowa. Stationary flash calcining furnace. 2,412,286; Dec. 10.
- Pedersen, Morris, San Francisco, Calif. Clutch mechanism. 2,412,006; Dec. 3.
- Pedersen, Rasmus P., Cody, Wyo. Lawn mower sharpener. 2,406,162; Aug. 20.
- Pedigo, Arthur J., Cookeville, Tenn. Refrigerating apparatus. 2,410,232; Oct. 29.
- Pedrick Tool & Machine Company, assignee: *See*—
Shaw, Ralph M., Jr.
- Peed, Garland P., Jr.: *See*—
Kleinhaus, Earl S., and Peed.
- Peek, Walter E.: *See*—
Garstang, William W., and Peck.
- Peel, David H. P.: *See*—
Holroyd, Ronald, and Peel.
- Peel, Robert, Painswick, assignor to F. N. F. Limited, Gloucester, England. Knitting elements of knitting machinery. 2,393,931; Jan. 29.
- Peerco, Inc., assignee: *See*—
Pearson, William S.
- Peerless Machine Company, assignee: *See*—
Ziska, Adam.
- Peerless of America Inc., assignee: *See*—
Hoesel, Anthony E.
- Peerless Tool and Engineering Company, assignee: *See*—
Andresen, Raymond H.
- Peerless Turbine Corporation, assignee: *See*—
Darling, Lewis A.
- Peery, Norman E.: *See*—
McAllister, Sumner H., and Peery.
- Peery, Norman E., assignor to Shell Development Company, San Francisco, Calif. Isomerization of hydrocarbons. 2,394,803; Feb. 13.
- Peff, Peter, Reno, Nev. System for producing acetylene. 2,399,058; Apr. 23.
- Peglow, Walter, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,392,689; Jan. 8.
- Pelhrson, Nils H. S., Ullbattan, assignor to Hubert O. W. Eigenbrodt, Stockholm, Sweden. Car body. 2,411,226; Nov. 19.
- Peillon, Paul, assignor to Salvage & Marine Company of Egypt, S. A., Cairo, Egypt. Electric underwater welding. 2,408,175; Sept. 24.
- Pelrice, Charles P., assignee: *See*—
Knapp, William G.
- Pelrice, Willis M., Leighton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Operating metal retorts. 2,405,445; Aug. 6.
- Pelrice, Walter T., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Electric cable. 2,398,447; Apr. 16.
- Pelacz, Manuel E., Burzaco, Argentina. Emergency escape panel. 2,392,874; Jan. 15.
- Pelcé, Henri, assignor to Saint Freres (Société Anonyme), Paris, France. Device for combing warp threads and tightening the weft thread in a circular weaving loom. 2,398,956; Apr. 23.
- Pelcé, Henri, assignor to Saint Freres (Société Anonyme), Paris, France. Device for guiding shuttles on circular weaving looms. 2,398,957; Apr. 23.
- Pelikan, Alexander, assignor to Federal Carton Corporation, New York, N. Y. Mechanism for punching to interlock sheets of material. 2,401,270; May 28.
- Pellick, John M., Chicago, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic control and indication apparatus. 2,392,499; Jan. 8.
- Pell, Eric, Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 2,399,059; Apr. 23.
- Pell, Eric, Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Frequency relay circuits. 2,402,573; June 25.
- Pelland, Abraham C., assignee, et al.: *See*—
Phelps, Clarence I.
- Pellegrin, Elmer D., Woodstock, and J. F. Hennessy, assignors to Geo. D. Roper Corporation, Rockford, Ill. Oven vent construction. 2,396,122; Mar. 5.
- Pelletier, Paul E., Jr.: *See*—
Woodstock, Willard H., and Pelletier.
- Pelletiere, Joseph A., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Level indicator for storage bins or hoppers. 2,398,958; Apr. 23.
- Pelphrey, Harry, assignor to Michigan Tool Company, Detroit, Mich. Hob grinder. 2,408,949; Oct. 8.
- Pelton, George S., assignee, et al.: *See*—
Swallow, William D.
- Pelton, Herbert E., assignee, et al.: *See*—
Swallow, William D.
- Pembroke Chemical Corporation, assignee: *See*—
Gooch, Stapleton D.
- Penajo Company, assignee: *See*—
Walsh, John J.
- Pence, Robert V., Huntington Park, Calif. Invasion parachute. 2,399,379; Apr. 30.
- Pendergast, James A., Blanchester, Ohio. Heating drum. 2,413,578; Dec. 31.
- Pendleton, F. R., assignee, trustee: *See*—
Greenleaf, Robert M., and Hunt.
- Pendleton, Wesley W., and L. E. Frost, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Semiconducting composition. 2,409,893; Oct. 22.
- Pengilly, Lewis, Palo Alto, Calif. Liquid fuel pump. 2,404,983; July 30.
- Penick, Arthur J., Houston, Tex. Casing head. 2,400,234; May 14.
- Penick, Arthur J., Houston, Tex. Valve assembly. 2,406,099; Aug. 20.
- Penn, Carl O., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,410,302; Oct. 29.
- Penn Electric Switch Co., assignee: *See*—
De Wilde, Albert N.
Shaw, Burton E.
Shaw, Burton E., and Wood.
- Penn, William: *See*—
McKeown, John H., and Penn.
- Pennell, John D., Jr.: *See*—
Hitchon, Carl K., and Pennell.
- Pennella, Samuel, East Orange, N. J. Surface condenser. 2,394,402; Feb. 5.
- Pennier, Jacob A., Detroit, Mich. Jack. 2,400,780; May 21.
- Penney, Raymond A., assignor to St. Paul Hydraulic Hoist Company, Minneapolis, Minn. Latch mechanism for dump trucks. 2,401,660; June 4.
- Pennington, Gordon R., Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Power transmitting means. 2,397,368; Mar. 26.
- Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system and apparatus for lamps. 2,412,907; Dec. 17.
- Pennsylvania Coal Products Company, assignee: *See*—
Norton, Arthur J.
- Pennsylvania Crusher Company, The, assignee: *See*—
Stine, James E., and Borton.
- Pennsylvania Engineering Works, assignee: *See*—
McFeaters, Harry L.
- Pennsylvania Manufacturing Company, assignee: *See*—
Hallowell, Howard T., Jr.
- Pennsylvania Railroad Company, The, assignee: *See*—
Decker, Harry L.
Duer, John B.
Jones, Lloyd B.
Keller, William M.
Miller, Robert N., and Grindall.
Silversparre, Gustav A.
Steins, Carlton.
- Pennsylvania Rubber Company, assignee: *See*—
Humphrey, Walter E.
- Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Bareis, Clarence W.
Garverich, Edwin S., and Martin.
Karr, Errol H.
- Penny, Ernest E.: *See*—
Ashmore, Stanley A., and Penny.
- Penny, Thomas, Brimstons, Bebbington, England, assignor to Lever Brothers Company, Cambridge, Mass. Method and apparatus for treating soap products. 2,391,919; Jan. 1.

- Pennybacker, Miles, Westport, Conn. Crystal holder. 2,413,579; Dec. 31.
- Penrose, William E., Newark, N. J., assignor to Empire Electric Brake Company. Booster brake mechanism. 2,411,458; Nov. 19.
- Penton, Joseph T., Pasadena, Calif. Stencilling. 2,408,578; Oct. 1.
- People in the territory of the United States, Dedicated to the free use of the: *See*—
- Anderson, Eric A.
- Jones, Howard A., and Travis.
- Sanders, George P.
- Peppersack, Francis J., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Access door fitting for tanks. 2,406,708; Aug. 27.
- Pepin, Joseph, Chicago, Ill. Dispensing tube. 2,398,505; Apr. 16.
- Peppel, William J.: *See*—
- Pavlic, Albert A., and Peppel.
- Signaigo, Frank K., and Peppel.
- Peppel, William J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Highly useful compounds. 2,408,095; Sept. 24.
- Peitel, William J., and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,402,665; June 25.
- Pepper, Foster L., Glenside, Pa., assignor to American Cyanamid Company, New York, N. Y. Dyeing of suede. 2,405,165; Aug. 6.
- Peralta, Roberto J., Mexico City, Mexico. Multiple electric fuse plug. 2,401,958; June 11.
- Percival, William S., Ealing, London, W. 5, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Method and apparatus for reducing the effect of interference. 2,393,561; Jan. 22.
- Percy, Joseph H., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Dispensing container. 2,393,262; Jan. 22.
- Perech, Ramon, New York, N. Y. Beverage concentrates and preparing same. 2,393,561; Jan. 22.
- Perech, Ramon, New York, N. Y. Beverage concentrates and preparing same. 2,393,562; Jan. 22.
- Perfect Circle Company, The, assignee: *See*—
- Golden, Lucius D., and Gregg.
- Teetor, Ralph R.
- Perfection Steel Body Company, The, assignee: *See*—
- Seckel, Wallace H.
- Perfection Stone Company, assignee: *See*—
- Resek, Marc.
- Perfetti, John F., Dearborn, and H. E. Waldron, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Electrical machine. 2,407,935; Sept. 17.
- Perfix Corporation, assignee: *See*—
- Cunningham, Lewis L.
- Frerer, Paul G.
- Harris, John L.
- Malone, Homer E.
- Miller, Wayland R.
- Pergande, George F., assignor to Zipprott, Incorporated, Chicago, Ill. Knockdown display. 2,395,578; Feb. 26.
- Perigant, Joseph M., Forest Hills, assignor to General Tank Service, Inc., New York, N. Y. Apparatus for the movement of viscous materials. 2,399,249; Apr. 30.
- Perkins, Alan J., London, and W. G. Roberts, Hove, assignors to Simmonds Aerocessories Limited, London, England. Piezoelectric crystal holder. 2,392,690; Jan. 8.
- Perkins, Alfred J.: *See*—
- Watt, James A., and Perkins.
- Perkins, Branch H., Hartsville, Tenn. Pump. 2,395,682; Feb. 26.
- Perkins, Charles T., assignor to Modine Manufacturing Company, Racine, Wis. Noncongealing oil cooler construction. 2,410,180; Oct. 29.
- Perkins, George C., West Orange, assignor to Federal Telephone and Radio Corporation. Radio tuning mechanism. 2,400,052; May 7.
- Perkins, Hiram A., deceased, by S. L. Perkins, Rochester, N. Y., and M. P. Hathaway, of Essex County, N. J., executors, assignors to Setter Bros. Inc., Cattaraugus, N. Y. Apparatus for the manufacture of convoluted rods. 2,406,033; Aug. 20.
- Perkins, John L., Arlington, assignor to B. B. Chemical Co., Boston, Mass. Cement. 2,401,015; May 28.
- Perkins, John M., Rugby, assignor to one-half to George H. Alexander Machinery Limited, Birmingham, England. Boring bar. 2,400,839; May 21.
- Perkins, Kenneth, Scotch Plains, N. J., and M. S. Park, Mount Kisco, N. Y., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine frame. 2,411,459; Nov. 19.
- Perkins Machine and Gear Company, assignee: *See*—
- Oakley, John.
- Perkins, Melvin A., and C. F. Irwin, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing antimony pentafluoride. 2,410,358; Oct. 29.
- Perkins, Melvin A., Wilmington, and P. R. Johnson, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of vat dyestuffs of the anthraquinone series. 2,413,514; Dec. 31.
- Perkins, Myrle M., Plandome, N. Y., and B. Sellmeyer, Los Angeles, Calif., assignors to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion. 2,400,437; May 14.
- Perkins, Rodrick E., Jr., Houston, Tex., assignor to Petrolite Corporation Ltd., Wilmington, Del. Electric solvent-refining of petroleum. 2,395,011; Feb. 19.
- Perkins, Stuart L., et al., executors: *See*—
- Perkins, Hiram A.
- Perkins, Theodore B., West Orange, N. J., assignor to Radio Corporation of America. Photoelectric system. 2,403,609; July 9.
- Perkins, Theodore B., West Orange, N. J., assignor to Radio Corporation of America. Voltage doubler and timer circuit. 2,406,533; Oct. 15.
- Perkins, Willard T.: *See*—
- Boughton, Olin W., Horsfall, and Perkins.
- Perl, Helen N., New York, N. Y. Pattern and forming breast forms. 2,411,888; Nov. 19.
- Perrin Ltd., assignee: *See*—
- Speakman, John B.
- Perman, Per E., Stockholm, Sweden. Safety device in screw hoisting blocks. 2,393,120; Jan. 15.
- Permanente Cement Company, assignee: *See*—
- Sharp, James W.
- Permanente Metals Corporation, The, assignee: *See*—
- Byrns, Alva C.
- Girvin, Murray D., and Detone.
- Fisher, Harmon F., and Peck.
- Holman, William R.
- Oliver, Edwin L., McGuire, Slaughter, and Vettel.
- Rhoades, Donald A., and Scheer.
- Von Stroh, Gerald.
- Perma-Seal Closure Co., assignee: *See*—
- Zesbaugh, Lawrence G.
- Perno Products Corporation, assignee: *See*—
- Inelmann, Henry L.
- Permoflux Corporation, assignee: *See*—
- Gilman, Wayne H.
- Gilman, Webster E.
- Permutit Company, The, assignee: *See*—
- Goetz, Paul C.
- Holmes, Eric L.
- Rodlows, Willem, and Gehm.
- Sussman, Sidney.
- Tiger, Howard L., and Goetz.
- Pernert, John C., assignor to Oldbury Electro-Chemical Co., Niagara Falls, N. Y. Manufacture of perchloric acid. 2,392,851; Jan. 15.
- Pernert, John C., assignor to Oldbury Electro-Chemical Co., Niagara Falls, N. Y. Distillation. 2,392,862; Jan. 15.
- Pernert, John C., assignor to Oldbury Electro-Chemical Co., Niagara Falls, N. Y. Distillation. 2,400,947; May 28.
- Pernet, Joseph E., assignor to Fuel Saver Corporation, Chicago, Ill. Combustion improving apparatus. 2,406,398; Aug. 27.
- Perona, John A.: *See*—
- Ballard, Seaver A., and Perona.
- Perrault, Bros., assignee: *See*—
- Perrault, Lewis.
- Perrault, Lewis, Tulsa, Okla., assignor to one-half to The Phil Carey Manufacturing Company, and one-half to Perrault, Bros. Roll supporting device. 2,405,446; Aug. 6.
- Perry, Angelo, Groveland, assignor to Allied Shoe Machinery Corp., Haverhill, Mass. Relasting machine. 2,409,447; Oct. 15.
- Perrin, Francis: *See*—
- Goldstein, Ladislav, and Perrin.
- Perrin, William W., Albany, assignor to Ted Nelson, San Leandro, Calif. Welding arc stabilizer. 2,406,474; Aug. 27.
- Perrine, Charles D., Jr., North Hollywood, Calif., assignor to Hughes Tool Company, Houston, Tex. Aircraft. 2,394,259; Feb. 5.
- Perrine, John H.: *See*—
- Johnson, Herbert L., and Perrine.
- Perrine, John H., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Halogenated amides. 2,394,871; Feb. 12.
- Perrine, John H., Prospect Park, and H. L. Johnson, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Modified alkylid resins. 2,407,766; Sept. 17.
- Perry, Edmond S.: *See*—
- Hickman, Kenneth C. D., and Perry.
- Perry, Donald B.: *See*—
- Pierce, Ralph E., and Perry.
- Perry, Ernest E., Worcester, Mass. Folding slide. 2,396,341; Mar. 12.
- Perry, J. Franklin, assignee, et al.: *See*—
- Moran, Terence J.
- Perry, John R., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet separator and method. 2,402,442; June 18.
- Perry, John S. C., and A. T. Prince, Kilmar, Quebec, assignors to Canadian Refractories, Limited, Montreal, Quebec, Canada. Bonded refractory for furnace linings. 2,410,359; Oct. 29.
- Perry, Leo, Whitewater, Wis. Seaming machine. 2,394,473; Feb. 5.

- Perry, Nelson I., Chicago, Ill. Combined foot brake and accelerator. 2,411,167; Nov. 19.
- Perry, Patrick O., Halifax, Nova Scotia, Canada. Window blind fixture. 2,392,337; Jan. 8.
- Perry, Robert M., Coeur d'Alene, Idaho. Cartridge carrier. 2,397,200; Mar. 26.
- Perry, Robert M., Coeur d'Alene, Idaho. Cartridge carrier. 2,413,580; Dec. 31.
- Perry, Stanley; *See*—
Hayter, Bruce, and Perry.
- Perry, Stanley Z.; *See*—
Greensfelder, Bernard S., and Perry.
- Perry, Winthrop L.; *See*—
Abbott, Edward J., Perry, and Ring.
- Persons, Charles A., Worcester, Mass., assignor to Persons-Majestic Manufacturing Company. Pedal construction. 2,399,888; May 7.
- Persons, Ernest L., Meriden, Conn. Ash receiver and sifter. 2,404,593; July 23.
- Persons, L. M., Corporation, assignee; *See*—
Persons, Lawrence M.
- Persons, Lawrence M., Ladue, assignor to L. M. Persons Corporation, St. Louis, Mo. Thermal control apparatus. 2,392,613; Jan. 8.
- Persons, Lawrence M., Ladue, assignor to L. M. Persons Corporation, St. Louis, Mo. Making thermostatic elements. 2,392,943; Jan. 15.
- Persons, Lawrence M., Ladue, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Control apparatus. 2,404,455; July 23.
- Persons, Lawrence M., Ladue, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Solenoid. 2,407,993; Sept. 7.
- Persons-Majestic Manufacturing Company, assignee; *See*—
Persons, Charles A.
- Persson, Per O., South Bend, Ind., and C. W. Spohr, Chicago, Ill., assignors to the United States of America, as represented by the Secretary of War. Testing machine for metallic cartridge belt links. 2,405,098; July 30.
- Persson, Per O., South Bend, Ind., and C. W. Spohr, assignors to United States Government, as represented by the Secretary of War and his successors in office. Feed structure for cartridge belt links. 2,405,447; Aug. 6.
- Peschardt, William J. S., Pinner, England. Manufacture of artificial edible cherries, soft sheets, and the like. 2,403,547; July 9.
- Pesco Products Co., assignee; *See*—
Cardillo, Joseph S.,
Compton, James A., and Horn.
Greenwood, Robert P.,
Harpster, Harry H.,
Holt, Ray G.,
Lauck, John A.,
Oliver, Delbert S.,
Oliver, Delbert S., and Kanuch.
Rockwell, Edward A.,
Rockwell, Edward A., and Roth.
Salisbury, Roy G.
- Pesin, Daniel Wilde, Argentina. Socket for fluorescent lamps. 2,410,997; Nov. 12.
- Peter, Friedrich A., Palampur, British India. Water closet. 2,401,098; May 28.
- Peter, Gustave C., Wauwatosa, Wis. Oil burner. 2,400,131; May 14.
- Peter, John P. C., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Making gypsum cement. 2,412,170; Dec. 3.
- Peter, Kurt, assignor to Ralph Kurt Peter, Bronx, N. Y. Collapsible table. 2,406,436; Aug. 27.
- Peter, Ralph K., assignee; *See*—
Peter, Kurt.
- Peterkin, Albert G., Bryn Mawr, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Conversion of hydrocarbons. 2,396,285; Mar. 12.
- Petermann, William W., Wilkes-Barre, Pa. Card game. 2,400,584; Oct. 15.
- Peters, Adolph T., assignor to The Dow Chemical Company, Midland, Mich. Cast ingot. 2,410,837; Nov. 12.
- Peters, Arthur W.; *See*—
Turin, John J., and Peters.
- Peters, Carl, St. Louis, Mo. Muffler. 2,402,078; June 11.
- Peters, Carl E., assignor to B-L Electric Manufacturing Company, St. Louis, Mo. Forming selenium coated base plates. 2,412,692; Dec. 17.
- Peters, Carl F.; *See*—
Ilyman, Julius, and Peters.
Jones, Jean P.,
Schulze, Walter A., and Axx.
- Peters, D. L., assignee; *See*—
Morris, Charles L.
- Peters, Everett E., assignee, et al.; *See*—
Zorich, Stephen.
- Peters, Francis A., St. Louis, Mo. Gauge. 2,400,840; May 21.
- Peters, Franklin T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Film manufacture. 2,405,977; Aug. 20.
- Peters, Gerhard W., Akron, Ohio. Circuit breaker with magnetic arc extinguishing means. 2,411,892; Dec. 3.
- Peters, Gerhard W., Akron, Ohio. Controlling arcs. 2,411,893; Dec. 3.
- Peters, Gerhard W., Akron, Ohio. Arc extinguishing chamber for circuit breakers. 2,411,894; Dec. 3.
- Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Can end assembling machine. 2,399,250; Apr. 30.
- Peters, John F., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gunfire control system. 2,403,117; July 2.
- Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Making fiber container bodies. 2,403,995; July 16.
- Peters, John G.; *See*—
Smith, Herschel G., Cantrell, and Peters.
- Peters, Leo, Evanston, Ill. Ink container. 2,400,209; May 14.
- Peters, Leo R., Cleveland Heights, Ohio, assignor to General Electric Company. Coiled filament or cathode and its manufacture. 2,394,474; Feb. 5.
- Peters, Lewis H., assignee; *See*—
Auger, Henry F.
- Peters, Malcolm R., San Mateo, Calif. Stretcher. 2,410,181; Oct. 25.
- Peters, Melville F., Beltsville, Md., and A. A. Beal, Washington, D. C., assignors to Fred I. McCarthy, Forest Hills, N. Y. Reclaiming crankcase oil. 2,399,140; Apr. 23.
- Peters, Melville F., Beltsville, Md., and J. J. Phillips, Irvington, assignors to Titeflex, Inc., Newark, N. J. Electric fuse. 2,411,460; Nov. 19.
- Peters, Theodore J., Jr.; *See*—
Young, David W., and Peters.
- Peters, Tom J., Riverside, N. J., assignor to Carnegie-Illinois Steel Corporation. Water cooled furnace door. 2,395,757; Feb. 26.
- Petersen, Carl J., Moline, Ill. Concealed door hinge. 2,395,501; Feb. 26.
- Petersen, Heinrich; *See*—
Florjan, Ernst, Petersen, and Christian.
- Petersen, Louis S., Forest Hills, assignor to F. L. Smith & Co., New York, N. Y. Mill. 2,396,057; Mar. 5.
- Petersen, Louis S., Forest Hills, assignor to F. L. Smith & Co., New York, N. Y. Material treating apparatus. 2,399,570; Apr. 30.
- Peterson, Adolphe C., Minneapolis, Minn. Coin controlled multiple certificate and printing means. 2,411,805; Nov. 26.
- Peterson, Alfred T., Minneapolis, Minn. Push mower. 2,407,767; Sept. 17.
- Peterson, Amos, Berwyn, assignor to Club Aluminum Products Company, Chicago, Ill. Handle for cooking utensils. 2,395,140; Feb. 19.
- Peterson, Arthur G., Chicago, Ill. Attachment for steel tapes. 2,396,877; Mar. 19.
- Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Fluid seal. 2,392,763; Jan. 8.
- Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Balking ring clutch. 2,394,098; Feb. 5.
- Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Transmission mechanism (balking ring clutch assembly). 2,394,099; Feb. 5.
- Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Automatic torque converter transmission. 2,397,883; Apr. 2.
- Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Control system for change-speed transmission gearing. 2,399,567; Apr. 30.
- Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Transmission mechanism. 2,399,568; Apr. 30.
- Peterson, Carl D., and E. W. Zingsheim, Toledo, Ohio. Synchronizing clutch. 2,399,569; Apr. 30.
- Peterson, Carl D., and R. R. Burkhalter, Toledo, Ohio. Synchronizing clutch construction. 2,409,148; Oct. 8.
- Peterson, Carl D., and A. H. Deimel, assignors, to Spicer Manufacturing Corporation, Toledo, Ohio. Balking ring clutch. 2,392,762; Jan. 8.
- Peterson, Clarence J.; *See*—
Peterson, Clarence L., and C. J.
- Peterson, Clarence J., assignor to Kingsburg Cotton Oil Co., Kingsburg, Calif. Dust collector. 2,407,722; Sept. 17.
- Peterson, Clarence L. and C. J., Salt Lake City, Utah. Method and apparatus for filtration. 2,405,021; July 2.
- Peterson, Donald W.; *See*—
Brown, George H., and Peterson.
- Peterson, Donald W., Princeton, N. J., assignor to Radio Corporation of America. Standing wave indicator for radio frequency transmission lines. 2,400,597; May 21.
- Peterson, Donald W., Princeton, N. J., assignor to Radio Corporation of America. Radio frequency switch. 2,407,847; Sept. 17.
- Peterson, Donald W., Princeton, N. J., assignor to Radio Corporation of America. Broad band radiator. 2,411,976; Dec. 3.
- Peterson, Du Wayne J., Grosse Pointe, Mich., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control system. Re. 22,760; May 28.
- Peterson, Edgar A., deceased, by J. A. Cochran, administrator, Baltimore, Md., assignor to Lynch and Company, St. Louis, Mo. Diacetoxymercurinitro guaiacol. 2,392,801; Jan. 8.
- Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrically controlled camera diaphragm. 2,393,407; Jan. 22.

- Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrically controlled iris diaphragm. 2,393,408; Jan. 22.
- Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Apparatus for controlling the release of bombs from aircraft. 2,396,197; Mar. 5.
- Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telemetric system. 2,411,889; Nov. 19.
- Peterson, Edwin P.: See—
- Keborch, Leonard M., and Peterson.
- Peterson, Eric W., Glen Ellyn, assignor to Ditto, Incorporated, Chicago, Ill. Sheet moistening device for duplicating machines. 2,407,443; Sept. 10.
- Peterson, Ernest G., assignor to Hercules Powder Company, Wilmington, Del. Alkyd resin. 2,399,692; May 7.
- Peterson, Frank C., Randolph, Mass. Adjustable eraser. 2,403,255; July 2.
- Peterson, Fredolph T.: See—
- Rabens, Fred T.
- Peterson, George S.: See—
- Walsh, Bruce R., and Peterson.
- Peterson, Harold F.: See—
- Whittaker, Lloyd A., and Peterson.
- Peterson, Harold O., Riverhead, N. Y. assignor to Radio Corporation of America. Pulse modulation receiver. 2,392,546; Jan. 8.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Resonant line and associated circuits. 2,402,443; Jan. 18.
- Peterson, Harry L., Hobokus, assignor to Lotte Chemical Company, Paterson, N. J. Pickling bath for ferrous metals and inhibitor for use therein. 2,392,404; Jan. 8.
- Peterson, Howard B., and R. E. Renard, San Francisco, Calif., assignors to American Can Company, New York, N. Y. Closing machine. 2,397,979; Apr. 9.
- Peterson, Justin, Swampscott, Mass., assignor to General Electric Company. Regulator. 2,403,393; July 2.
- Peterson, Merlin D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization catalysts. 2,391,920; Jan. 1.
- Peterson, Merlin D., and A. G. Weber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene-acetal reaction product. 2,395,292; Feb. 19.
- Peterson, Oscar R., Peoria, and L. L. Hyler, Washington, Ill., assignors to R. G. Le Tournear, Inc., Stockton, Calif. Adjustable push grade. 2,408,268; Sept. 24.
- Peterson Oven Company, The, assignee: See—
- Cook, John V.
- Peterson, Perry M., Moline, Ill. Clothes tongs. 2,397,288; Mar. 26.
- Peterson, Robert A., Haddonfield, N. J., assignor to Radio Corporation of America. Noise squelch system. 2,400,948; May 28.
- Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush. 2,409,309; Oct. 15.
- Peterson, Victor E., assignor to The Kawneer Company, Niles, Mich. Preparing aluminum alloys for heat treatment. 2,409,384; Oct. 15.
- Peterson, Walter H.: See—
- Bailey, William A., Jr., and Peterson.
- Greensfelder, Bernard S., and Peterson.
- Peterson, Walter L., Milwaukee, Wis. Fish lure. 2,395,641; Feb. 26.
- Peterson, Wesley R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of 1,3-dienes with polyhalogenated alkanes and products thereof. 2,401,099; May 28.
- Peterson, William R., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Valve bag filling, weighing, and discharging apparatus. 2,408,225; Sept. 24.
- Peterson, William R., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostatic controller for water temperature. 2,408,269; Sept. 24.
- Petit, Laurence A., Chicago, Ill. Carbon pack for manifolding typewriters. 2,393,409; Jan. 22.
- Petit, William H.: See—
- Clary, Hugh L., and Petit.
- Petkewitz, Carl F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,406,629; Aug. 27.
- Petionhoff, Justin D., New York, N. Y. Life raft release. 2,406,250; Aug. 20.
- Petri, Frederick W., Mahwah, N. J. Vacuum cleaning apparatus. 2,397,980; Apr. 9.
- Petrie, James A., Derby, England. Damping arrangement for vehicle suspension systems. 2,412,533; Dec. 10.
- Petrie, John W., assignor to Petrie-Lewis Manufacturing Co., Inc., New Haven, Conn. Wand. 2,407,723; Sept. 17.
- Petrie-Lewis Manufacturing Co., Inc., assignee: See—
- Petrie, John W.
- Petroe, Gregory A., Kenmore, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Unloading device. 2,393,932; Jan. 29.
- Petrolite Corporation, assignee: See—
- De Groot, Melvin, and Keiser.
- Petrolite Corporation, Ltd., assignee: See—
- Blair, Charles M., Jr.
- Brace, Paul H.
- De Groot, Melvin.
- De Groot, Melvin, and Keiser.
- De Groot, Melvin, Keiser, and Wirtel.
- Mahone, Francis D.
- Monson, Louis T.
- Monson, Louis T., and Shepard.
- Monson, Louis T., Anderson, and Jenkins.
- Perkins, Roderick B., Jr.
- Roberts, Claudius H. M.
- Waterman, Logan C.
- Petrovic, Frank, assignor to E. J. Brach & Sons, Chicago, Ill. Chocolate dipped peanut attachment. 2,406,437; Aug. 27.
- Petrovich, Joseph J., Trenton, N. J. Combined coupling for railway vehicles and the like. 2,395,426; Feb. 26.
- Petry, Charles B., Fair Lawn, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Vacuum chuck for glass lathes. 2,398,959; Apr. 23.
- Petry, John, Bayside, Long Island, assignor to Raylite Electric Corp., Bronx, N. Y. Device for producing ornamental and decorative bubble lighting effects. 2,412,171; Dec. 3.
- Petry, Theodore A., Wenonah, and H. K. Holm, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separating hydrocarbons. 2,400,654; May 21.
- Petry, Theodore A., Wenonah, and G. L. Payne, Clarksboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separation of styrene from ethyl benzene by azeotropic distillation. 2,411,106; Nov. 12.
- Petschauer, Edward F., Cleveland, Ohio. Page end indicator for typewriters. 2,404,861; July 30.
- Petso, Joseph F., Cleveland, Ohio. Collet tube collar. 2,397,561; Apr. 2.
- Petsche, Joseph D., Cleveland, Ohio. Crane. 2,401,881; June 11.
- Petty, Edward W., Glencoe, Ill. Control apparatus. 2,399,938; May 7.
- Petter, William E. W., Yeovil, W. M. Widgery, near Yeovil, and S. T. A. Richards, Yeovil, assignors to Dunlop Rubber Company Limited, London, England. Inflatable gaskets. 2,401,624; June 4.
- Peterson, Reinhardt, Whitestone, N. Y., assignor to Robins Conveyors Incorporated, Passaic, N. J. Belt conveyor drive. 2,393,563; Jan. 22.
- Pettibone, George: See—
- Swingle, Artie W., Pettibone and Dill.
- Pettibone, George H., Scotia, N. Y., assignor to General Electric Company. Electric motor control system. 2,394,100; Feb. 5.
- Pettit, Earl L., Winfield, Kans. Garment finisher. 2,412,172; Dec. 3.
- Petty, Olive S., assignee: See—
- Mayne, William H.
- Parr, Josephus O., Jr.
- Petty, Olive S., San Antonio, Tex. Seismic surveying. 2,395,427; Feb. 26.
- Petty, Olive S., San Antonio, Tex. Seismic apparatus and method. 2,408,478; Oct. 1.
- Petty, Olive S., San Antonio, Tex. Seismic surveying. 2,410,003; Oct. 29.
- Petty, Olive S., San Antonio, Tex. Measuring instrument. 2,413,851; Dec. 31.
- Petty, William E., Altoona, Iowa. Animal trap. 2,396,472; Mar. 12.
- Petzold, Earl E., Burbank, Calif. Machine. 2,407,512; Sept. 10.
- Petzold, Earl E., Burbank, Calif. Vane motor. 2,407,901; Sept. 17.
- Pever, Ernest F.: See—
- Hatch, George B., Pever, Clarke, and Bruner.
- Pever, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Alkylation of isoparaffins with ethylene. 2,406,709; Aug. 27.
- Pever, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,411,054; Nov. 12.
- Pever, Ernest F., Beacon, and L. A. Clarke and G. B. Hatch, Fishkill, assignors to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,396,198; Mar. 5.
- Peycke, Armand H., and R. G. Auriel, assignors to American Steel Foundries, Chicago, Ill. Integral brake element. 2,392,291; Jan. 1.
- Peyer, Julius: See—
- Stoll, Arthur, Morf, and Peyer.
- Pezzaglia, Philip: See—
- Ross, William E., and Pezzaglia.
- Pfaff, Ernest R., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Combined limiter and squelch circuit. 2,405,845; Aug. 13.
- Pfann, Harry F., and E. L. Kropp, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Polymerization of methylal alcohol. 2,401,959; June 11.
- Pfanzstiel Chemical Company, assignee: See—
- Chandler, Bruce C., and Bell.
- Pfau, Emert S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Acceleration of the polymerization of butadiene-1,3 hydrocarbons. 2,397,201; Mar. 26.

- Pfau, Howard, Cincinnati, Ohio. Men's neckwear. 2,411,753; Nov. 26.
- Pfeiffer, Edward C., Jr., and W. Kitaj, assignors to Cluett Peabody & Co., Inc., Troy, N. Y. Stabilizing wool. 2,395,791; Feb. 26.
- Pfeiffer, Edward C., Jr., and J. A. Tweed, Troy, and J. Jarmak, White Plains, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Stabilized fabric and making the same. 2,409,894; Oct. 22.
- Pfeiffer, Edward C., Jr., and J. Epelberg, assignors to Cluett, Peabody & Co., Troy, N. Y. Textile material and preparing it. 2,412,832; Dec. 17.
- Pfeiffer, Andrew: *See—*
- Findlay, John H., Dawley, and Pfeiffer.
- Slack, Charles M., Dawley, and Pfeiffer.
- Slack, Chapp M., Pfeiffer, and Dawley.
- Pfeiffer, Conrad L.: *See—*
- Lea, George D., and Pfeiffer.
- Pfeiffer, John H., Oreland, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Refrigerator shelf. 2,400,438; Sept. 14.
- Pfeiffer, Paul, Hamburg-Altona, Germany; vested in the Alien Property Custodian. Regulating device for pile-driver monkeys. 2,392,061; Jan. 1.
- Pfeiffer, William C., assignor to The Egly Register Company, Dayton, Ohio. Controller attachment for addressing machines. 2,396,199; Mar. 5.
- Pfiell, Leonard B., Edgbaston, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y. Spark plug electrode. 2,392,944; Jan. 15.
- Pfiell, Leonard B., Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y. Electric resistance elements and the like. 2,400,255; May 14.
- Pfiell, Leonard B., Edgbaston, Birmingham, England, assignor to International Nickel Company Inc., New York, N. Y. Spark plug electrode. 2,406,966; Sept. 3.
- Pfiell, Leonard B., Edgbaston, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y. Electrolytic polishing and removing excess metal. 2,412,058; Dec. 3.
- Pfistericker, Carl S., Jenkintown, Pa., assignor to F. J. Stokes Machine Company. Method of and machine for molding. 2,394,260; Feb. 5.
- Pfient, Frank, St. Clair, Mich. Spring door closer. 2,411,635; Nov. 26.
- Pfiffer, Joseph J., Ann Arbor, and S. B. Binkley, E. S. Bloom, and A. D. Emmett, assignors to Parke, Davis & Company, Detroit, Mich. Antianemic vitamin products. 2,407,096; Sept. 3.
- Pfingsten, August F., Rock Rapids, Iowa. Tractor operated post driver. 2,407,444; Sept. 10.
- Pfueumer, Hans, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y. Making high-pressure closed cell rubber. 2,395,293; Feb. 19.
- Pfueumer, Hans, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y. Reinforced buoyant rubber disk. 2,404,594; July 23.
- Pfost, Lester S., assignor to The Massey-Harris Company, Racine, Wis. Hydraulic lift. 2,397,042; Mar. 19.
- Pfouts, James B., assignee: *See—*
- Feather, David C.
- Pfuntner, Richard A., Saugus, and E. D. Wilson, Brookline, Mass., assignors to General Electric Company. Magnetic compass deviation compensator. 2,405,050; July 30.
- Phair, Robert S.: *See—*
- Fetcher, John R., and Phair.
- Pharo, Lee C., Thetford Mines, Quebec, Canada, assignor to Johnson's Company, Thetford, West, Quebec, Canada. Asbestos fluffing. 2,402,203; June 18.
- Phelan, Arthur J., and V. H. Pavlecka, Pacific Palisades, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Apparatus for assembling centrifugal impellers. 2,402,204; June 18.
- Phelan, Arthur J., and V. H. Pavlecka, Pacific Palisades, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Turbine blade and assembly thereof. 2,410,588; Nov. 5.
- Phelon, Russell E., assignor to Wico Electric Company, West Springfield, Mass. Magneto. 2,392,500; Jan. 8.
- Phelps, Clarence L., assignor of one-half to W. D. Payne, Bellingham, and one-half to A. C. Pelland, Mount Vernon, Wash. Detent. 2,397,981; Apr. 9.
- Phelps, Clyde H., assignor to Weaver Manufacturing Company, Springfield, Ill. V-bearing. 2,402,205; June 18.
- Phelps Dodge Corporation, assignee: *See—*
- Barker, Lyle M., and Lewis.
- Gambitta, Alfred F.
- Tuwiner, Sidney E., and Osborn.
- Phelps, George H.: *See—*
- Murray, Thomas E., Phelps, and Frischmann.
- Phelps, George H., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical positioning system. 2,409,895; Oct. 22.
- Phelps, George H., Floral Park, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Dehydrator. 2,410,129; Oct. 29.
- Phelps, Guy W., and H. C. Black, assignors to Industrial Patents Corporation, Chicago, Ill. Deodorization. 2,407,616; Sept. 10.
- Phelps, Walter A., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier wave signaling system. 2,406,034; Aug. 20.
- Phelps, William H., Ralston, Nebr. Lawn mower blade. 2,403,236; July 2.
- Phenix Manufacturing Company, Inc., assignee: *See—*
- Buehner, Christ.
- Philadelphia Quartz Company, assignee: *See—*
- Baker, Chester L., and Sams.
- Philco Corporation, assignee: *See—*
- Albright, Robert B.
- Bradley, William E.
- Bradley, William E., and Johnson.
- Carson, George L.
- Charland, Albert H.
- Clapp, Richard G.
- Clum, Henry W.
- Brown, Reynolds D., Jr.
- Emerson, Kenneth H.
- Jones, Welton P.
- Mills, David J., Jr.
- Scher, Henry W.
- Spielman, Sterling C.
- Stephan, Ingo L.
- Tiley, John W.
- van Doren, Harold.
- Vansant, John S.
- Philco Radio and Television Corporation, assignee: *See—*
- Bingley, Frank J.
- Bingley, Frank J., and Moore.
- Bradley, William E.
- Dailey, Donald E.
- Dolberg, Charles E.
- Nezyl, Ahmet H.
- Nichol, Arthur Y.
- Pfeiffer, John H.
- Schreiner, Louis W.
- Thompson, Elmer O.
- Whipple, Richard J.
- Philip Chemical Manufacturing, The, assignee: *See—*
- Fasold, George A., and Greider.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,401,793; June 11.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,400,260; Oct. 29.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,411,461; Nov. 19.
- Philippar, Donald T., Sturgis, S. Dak. Ski structure. 2,392,098; Jan. 1.
- Phillimore, Charles E., assignor to The Bell & Howell Company, Chicago, Ill. Retarded action electric switch. 2,392,183; Jan. 1.
- Phillippi, Matthew H., assignor to Brown & Bigelow, St. Paul, Minn. Flexible reflex reflecting film. 2,403,752; July 9.
- Phillips, Albert J., Plainfield, and Y. E. Lebedeff and J. R. Craden, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Producing elemental selenium. 2,413,374; Dec. 31.
- Phillips, Alvin W., Mackinaw, Ill. Cooking utensil. 2,403,191; July 2.
- Phillips, Andrew J.: *See—*
- Phillips, Finis L., and A. J.
- Phillips, Burdette H.: *See—*
- Daly, George F., and Phillips.
- Phillips Control Corporation, assignee: *See—*
- Wasserein, Henry G.
- Phillips, Dwight M., Fullerton, assignor to Chiksano Tool Company, Brea, Calif. Swivel coupling. 2,394,715; Feb. 12.
- Phillips, Dwight M., Fullerton, assignor to Chiksano Tool Company, Brea, Calif. Fluid conducting swivel joint. 2,396,125; Mar. 5.
- Phillips, Dwight M., Fullerton, assignor to Chiksano Tool Company, Brea, Calif. Swivel joint. 2,399,823; May 7.
- Phillips, Dwight M., Fullerton, assignor to Chiksano Tool Company, Brea, Calif. Electrical conducting swing joint. 2,407,445; Sept. 10.
- Phillips, Dwight M., Fullerton, assignor to Chiksano Tool Company, Brea, Calif. Hub for hose reels and the like. 2,412,287; Dec. 10.
- Phillips, Eugene H., J. Fort Worth, Tex. Instrument landing system. 2,393,337; Jan. 22.
- Phillips, Finis L., Mineral Wells, Tex., and A. J. Phillips, Tucson, Ariz. Electrical multiple instrument system. 2,392,184; Jan. 1.
- Phillips, Harold F., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston. 2,403,455; July 9.
- Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly element and making. 2,404,862; July 30.
- Phillips, Henry F., assignor to Phillips Screw Company, Portland, Oreg. Screw. 2,402,342; June 18.
- Phillips, Herman C., Wilmington, Del., and Philip F. Robb, Birmingham, Mich., assignors to Hercules Powder Company, Wilmington, Del. Protective covering for metal articles and method of applying. 2,394,101; Feb. 5.

- Phillips, John G., executor, et al.: *See—*
Fuller, Frederick E.
- Phillips, John H., Chicago, Ill. Drill chuck. 2,399,939; May 7.
- Phillips, John J.: *See—*
Peters, Melville F., and Phillips.
- Phillips, John W., El Campo, Tex. Combined teller and customer booth. 2,405,710; Aug. 13.
- Phillips-Jones Corporation, assignee: *See—*
Skinkle, John H., and Weinstein.
- Phillips, Kenneth G., Los Angeles, Calif. Ring groove cleaner for pistons. 2,412,748; Dec. 17.
- Phillips, Lee A., Clayton, N. Y. Throttle and pressure control. 2,399,503; Apr. 30.
- Phillips, Maxwell E., Stockton, Calif. Transport tower. 2,408,151; Sept. 24.
- Phillips, Michael J., Middle River, assignor to The Glenn L. Martin Company, Baltimore, Md. Gun turret. 2,396,529; Mar. 12.
- Phillips Petroleum Company, assignee: *See—*
Axe, William N.
Bailey, Grant C.
Blumer, Donald R.
Buddrus, Edward, and Carney.
Bunn, George P.
Cantrell, Cyrus D., Jr.
Carney, Samuel.
Crawford, Francis W.
Crites, Wilbur J.
Doan, Richard L.
Douglas, Donald R., and Weinaug.
Drennan, Harry E.
Dutcher, Harris A.
Foster, Arch L.
Freund, Robert R.
Frey, Frederick E.
Frey, Frederick E., Hepp, and Morey.
Frey, Frederick E., and Snow.
Garretson, Owen L.
Garretson, Owen L., St. Clair, and Olson.
Geyer, Jesse A.
Hachmuth, Karl H.
Hachmuth, Karl H., and Blaker.
Henry, Robert W.
Hepp, Harold J.
Hibler, John C., and Drennan.
Ibach, Gerald A., and Tate.
Jones, Jean P.
Katz, Donald L.
Kleiss, Louis D.
Krugler, Allen D.
Latchum, John W., Jr.
Latchum, John W., Jr., and Connors.
Legatski, Harold E.
Loy, John W.
Mahan, John E.
Markley, Howard R.
Matuszak, Maryan P.
Matuszak, Maryan P., and Morey.
Mayland, Bertrand J.
Mertz, Valentine.
Messmore, Harold E.
Montgomery, James V., Goodson, and Henry.
Neuhart, Frederick C.
Patterson, Robert J.
Pickett, Armand D.
Ray, Gardner C.
Reading, George R.
Ringham, Clarence R.
Rippeteau, Walter L., Jr.
Roach, Wendell W., and Blaker.
St. Clair, Theodore A.
St. Clair, Theodore A., Sievers, and Olson.
Searth, Virgil.
Schulze, Walter A.
Schulze, Walter A., and Alden.
Schulze, Walter A., and Helmers.
Schulze, Walter A., and Hillier.
Schulze, Walter A., and Lyon.
Schulze, Walter A., and Short.
Sievers, Carl F.
Sperberg, Lawrence R.
Upham, John D.
Wagner, Cary R.
Word, James C., Jr., and Sims.
Welling, Charles E.
Whaley, Thomas H., Jr.
Wolk, I. Louis.
Wolk, I. Louis, and Upham.
- Phillips, Robert C.: *See—*
Nelson, Philip R., and Phillips.
- Phillips Screw Company, assignee: *See—*
Phillips, Henry F.
- Phillips, Warren E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of synthetic rubber. 2,396,967; Mar. 19.
- Phillips, William M., Jr., assignor to The Udyllite Corporation, Detroit, Mich. Torch for welding thermo-plastic material. 2,396,968; Mar. 19.
- Phillips, Willis E., Deerfield, assignor to Zenith Radio Corporation, Chicago, Ill. Neutralized radio-frequency amplifier. 2,404,188; July 16.
- Phillipson, Herbert S., Milwaukie, Oreg. Retort. 2,398,446; Apr. 16.
- Phillipson, Maddison: *See—*
Jones, David G., and Phillipson.
- Phillipotts, George C.: *See—*
Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Phillipotts.
- Phipps, Charles A., Hartsdale, N. Y. Hair drying process. 2,392,405; Jan. 8.
- Phipps, Raymond E.: *See—*
Geohegan, William A., and Phipps.
- Photo-Positive Corporation, assignee: *See—*
Crouse, George B., and Holt.
Crouse, George B., Holt, and Tatlow.
- Photoswitch Incorporated, assignee: *See—*
Long, John A., and Wolfner.
- Wolfner, William F., II.
- Photo Technical Corporation, The, assignee: *See—*
King, Robert J.
- Platt, Donald R., and C. S. Jackoski, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Torque measuring instrument. 2,392,260; Jan. 1.
- Platt, Donald R., and R. Unterschutz, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Torque measuring tool. 2,394,634; Feb. 12.
- Platt, Donald R., Endicott, and A. E. Gray, Binghamton, assignors to International Business Machine Corporation, New York, N. Y. Plugboard. 2,407,176; Sept. 3.
- Platt, William M., Durham, N. C., assignor to Pacific Flush Tank Company, Chicago, Ill. Supernatant selector device for sludge digestion tanks. 2,409,555; Oct. 15.
- Pickens, Julius K., Maryville, Tenn. Scoop or grading attachment for farm tractors. 2,401,661; June 4.
- Picker X-Ray Corporation, assignee: *See—*
Green, Samuel T.
- Picker X-ray Corporation, Waite Manufacturing Division, Inc., assignee: *See—*
Goldfield, Edwin R., and Stava.
- Pickering, Walter J., assignee: *See—*
Lambert, Harry L.
- Pickert, Lynn I., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,392,185; Jan. 1.
- Pickert, Lynn I., Watertown, N. Y., assignor to The New York Air Brake Company. Variable load brake. 2,408,123; Sept. 24.
- Pickett, Armand D., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Lubricant. 2,410,610; Nov. 5.
- Pickin, Rowland O., Los Angeles, Calif. Container. 2,403,299; July 2.
- Pickles, John: *See—*
Pickles, Robert, and J.
- Pickles, Robert and J. Cairo Mill, Burnley, England. Manufacture of artificial fibrous sheet material. 2,405,978; Aug. 20.
- Pickles, Sidney B.: *See—*
Busignies, Henri G., and Pickles.
- Pickles, Sidney B., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation. Adjustable transmission line. 2,404,399; July 23.
- Pickles, Sidney B., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon. 2,404,400; July 23.
- Pickul, Joseph H., West Newton, Mass., assignor to The Reece Corporation. Sewing machine. 2,410,679; Nov. 5.
- Piepenberg, Albert F.: *See—*
Mugelton, Gerald D., and Piepenberg.
- Pieper, Chester R., Warrenton, Mo. Anchor. 2,394,403; Feb. 5.
- Pieper, Chester R., Warrenton, Mo. Expansion earth anchor. 2,403,150; July 2.
- Pieper, Oliver T., Wilmington, Del., assignor to American Dyewood Company, New York, N. Y. Apparatus for handling powdered materials. 2,404,884; July 30.
- Pieper, Oliver T., assignor to Lobdell Company, Wilmington, Del. Grinding machine. 2,413,334; Dec. 31.
- Pierce Governor Company, assignee: *See—*
Benjamin, Walter E.
- Pierce, Hodgson S., assignee: *See—*
Gorton, Paul T.
- Pierce, James E.: *See—*
Pierce, Russell and J. E.
- Pierce, Jerry A.: *See—*
Mason, Ralph B., and Pierce.
- Pierce, Jerry A., and C. T. Steele, assignors to Standard Oil Development Company, Baton Rouge, La. Catalytic cracking of hydrocarbon oils. 2,400,020; May 7.
- Pierce, Jerry A., and W. E. Spicer, Baton Rouge, La., assignors to Standard Oil Development Company. Catalysts. 2,402,753; July 9.
- Pierce, John B., Foundation, assignee: *See—*
Davies, Robert L., and Rapp.
O'Brien, Joseph E.
- Pierce, John R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Beam resonator tube. 2,394,008; Feb. 5.
- Pierce, John R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,406,850; Sept. 3.

- Pierce, John R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode beam tube and velocity control electrode. 2,408,809; Oct. 8.
- Pierce, John R., Millburn, and W. G. Shepherd, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,411,913; Dec. 3.
- Pierce, John S., Richmond, Va. Aminoalkanoic acids of acrylic acids. 2,399,506; Apr. 30.
- Pierce, John S., Richmond, Va., and J. H. Wotiz, Pittsburgh, Pa.; said Wotiz assignor to said Pierce. Polyhydroxyamino compounds. 2,408,096; Sept. 24.
- Pierce, Lawrence, Edgewood, and R. B. Immel, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double armature contactors. 2,399,380; Apr. 30.
- Pierce, Norman, assignee, et al.: *See—*
Holm, Carl H.
- Pierce Plastics, Inc., assignee: *See—*
Pierce, Russell F. and J. E.
- Pierce, Ralph E., Larchmont, N. Y., and D. B. Perry, Maplewood, N. J., assignors to American Telephone and Telegraph Company. Secrecy cipher system. 2,401,507; June 4.
- Pierce, Raymond C., Chicago, Ill. Truck. 2,394,872; Feb. 12.
- Pierce, Russell F. and J. E., assignors to Pierce Plastics, Inc., Bay City, Mich. Making thermoplastic helicoidal structures. 2,393,058; Jan. 15.
- Pierce, W. B., assignee, et al.: *See—*
Holm, Carl H.
- Pierce, Wayne M., Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn. Alignment tool. 2,404,456; July 23.
- Pierce, Winslow S., Jr., Dublin, assignor to Miniature Precision Bearings, Keene, an unincorporated partnership consisting of W. S. Pierce, Jr., Dublin, and A. N. Daniels, Hancock, N. H. Finishing gauge. 2,394,475; Feb. 5.
- Pierini, Attilio, Springfield Gardens, N. Y. Treating fur. 2,410,898; Nov. 12.
- Pierle, Henry C., assignor, by mesne assignments, to R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Work handling mechanism. 2,392,186; Jan. 1.
- Pierri, Louis N., Salt Lake City, Utah, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube and making the same. 2,399,758; May 7.
- Piersma, Henry O., Kalamazoo, Mich., assignor to Lederle Laboratories, Inc., New York, N. Y. Production of riboflavin. 2,400,710; May 21.
- Pierson, Gordon G., Landsale, Pa. Method and tape for joining plies. 2,412,693; Dec. 17.
- Pierson, John D., Overlea, assignor to The Glenn L. Martin Company, Middle River, Md. Seaplane sponson. 2,405,754; July 9.
- Pietsch, Carter, Bloomington, Ill. Fluid clutch. 2,398,665; Apr. 16.
- Pifer, Marion J., Williamsburg, C. F. Carlsen, Buffalo, and H. J. McGarvey, Eggertsville, assignors to Colonial Radio Corporation, Buffalo, N. Y. Sequence tuner. 2,411,754; Nov. 26.
- Pigott, Jack, and N. B. Opheim, Newport News, Va. Attachment for lathes. 2,408,876; Oct. 8.
- Pike, Charles O.: *See—*
Priepke, Rudolf J., Emigh, and Pike.
- Pike, Edwin F., and R. S. Shane, assignors, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich. Preparing nicotinamide. 2,412,749; Dec. 17.
- Pike, Otis W., Schenectady, N. Y., assignor to General Electric Company. Heating apparatus. 2,408,339; Sept. 24.
- Pikl, Josef, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiocyanate quaternary compounds and preparing the same. 2,402,526; June 18.
- Pikul, Joseph H., West Newton, Mass., assignor to The Reece Corporation. Stitch formation. 2,409,149; Oct. 8.
- Pikul, Joseph H., West Newton, Mass., assignor to The Reece Corporation. Sewing machine. 2,411,977; Dec. 3.
- Pile, Sydney, assignor to Teleflex Products Limited, London, England. Flexible power transmission member. 2,401,100; May 28.
- Pile, Sydney, assignor to Teleflex Products Limited, London, England. Conveyor. 2,404,885; July 30.
- Pilger, Roy: *See—*
Hansen, Harold, and Pilger.
- Pilgrim Plastics, Inc., assignee: *See—*
Desmond, Virginia D.
- Pilling, Frank E., Lynwood, Calif. Work holder. 2,393,806; Jan. 29.
- Pillsbury Flour Mills Company, assignee: *See—*
Anderson, Edwin F.
- Pillsbury Mills, Inc., assignee: *See—*
Carter, Robert J. S.
- Pilo, Claes-Wilhelm, Stockholm, Sweden. Method of and apparatus for carbonizing peat. 2,406,509; Aug. 27.
- Pimblett, Lewis G., Harbord, New South Wales, Australia. Bubble pipe. 2,396,433; Mar. 12.
- Pimlott, John R.: *See—*
Dawson, Sam H., and Pimlott.
- Pinard, William J., Manchester, N. H. Latch-accommodating keeper unit. 2,403,826; July 9.
- Pinardi, Charles P.: *See—*
Wharam, John J., and Pinardi.
- Pincock, Robert W.: *See—*
Croft, Cyril M., Hinkle, and Pinault.
- Pinault, Douglas F., assignee: *See—*
Pava, Jack R.
- Pinder, Thomas, Scarborough, England. Coupling for model railway vehicles and the like. 2,408,877; Oct. 8.
- Pine, William S., Southgate, Calif. Hollow hydraulic jack. 2,393,410; Jan. 22.
- Pines Engineering Company, assignee: *See—*
Bower, Byron F.
- Pines, Herman: *See—*
Grosse, Aristid V., and Pines.
Ipatieff, Vladimir, and Pines.
Ipatieff, Vladimir N., and Pines.
- Pines, Herman, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,405,516; Aug. 6.
- Pines, Herman, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,406,967; Sept. 3.
- Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of cyclo-olefinic hydrocarbons and aromatic hydrocarbons. 2,406,630; Aug. 27.
- Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of cyclo-olefinic hydrocarbons and aromatic hydrocarbons. 2,406,631; Aug. 27.
- Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of cyclo-olefinic hydrocarbons and aromatic hydrocarbons. 2,406,632; Aug. 27.
- Pines, Herman, and R. C. Wackher, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,406,633; Aug. 27.
- Pines, Herman, and R. C. Wackher, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,406,634; Aug. 27.
- Pines, Herman, and H. S. Bloch, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,408,950; Oct. 8.
- Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of aromatic compounds. 2,410,554; Nov. 5.
- Pinion, Thomas J., Jefferson County, and E. A. Hardin, Birmingham, Ala. Wheelbarrow. 2,393,807; Jan. 29.
- Pinion, Thomas N., Denver, Colo. Boiler water feed device. 2,411,589; Nov. 26.
- Pinkas, David, Norwalk, Conn. Razor. 2,406,035; Aug. 27.
- Pinkerton, Hugh W., Lakewood, Ohio. Wear protecting device for parallel conducting wires. 2,404,088; July 16.
- Pinkney, Paul S.: *See—*
Bechtold, Max F., and Pinkney.
- Pinkston, John T. Jr.: *See—*
Thomas, Charles L., and Pinkston.
- Pinto, Armie A., Highland Park, Mich. Multiple purpose window fixture means. 2,412,059; Dec. 3.
- Pioneer Atlanta Company, Inc., assignee: *See—*
Suchke, Frederick M.
- Pioneer Parachute Company, Inc., assignee: *See—*
Smith, Floyd.
- Pioneer Suspender Company, assignee: *See—*
Segal, Samuel.
- Pioneer Tool Company, Inc., assignee: *See—*
Echikson, Elchann.
- Pipe Machinery Company, The, assignee: *See—*
Thompson, John.
- Piper, Paul A., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Weight and balance indicator. 2,401,310; Oct. 15.
- Pipping, Alf, Bloomfield, N. J. Automatic weighing device. 2,394,476; Feb. 5.
- Pipping, Alf, Bloomfield, N. J. Ampoule sealing machine. 2,406,101; Aug. 20.
- Piranti, Marcello: *See—*
Barnard, Donald H., Bennett, Brown, Hirst, Pirani, and Philpotts.
- Pirnie, George B., Center Point, Iowa. Refrigerating and conditioning system for vehicles. 2,394,201; Feb. 5.
- Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Rail truck bolster. 2,398,394; Apr. 16.
- Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Window arrangement and sash lifting mechanism. 2,399,940; May 7.
- Pirwitz, Friedrich A. G., assignor to Wollensak Optical Company, Rochester, N. Y. Flashlight and shutter synchronizer. 2,404,526; July 23.
- Pischel, Adolf, New York, N. Y., and H. F. Stowe, Rutherford, N. J., assignors to Eagle Pencil Company, New York, N. Y. Rubberlike flexible compositions and processes. 2,393,222; Jan. 15.
- Pischinger, Anton: *See—*
Müller, Helmut, and Pischinger.
- Pistey, John M.: *See—*
De Reamer, Frank C., and Pistey.

- Pi Suer, August, Caracas, Venezuela. Method and apparatus for projecting pictures in relief. 2,401,271; May 28.
- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft. 2,402,294; June 18.
- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft hold-down device. 2,403,456; July 9.
- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft with power driven rotor. 2,407,327; Sept. 10.
- Pitisci, Joseph S., Miami Springs, Fla. Sealed bearing lubricator. 2,396,124; Mar. 5.
- Pitman-Dreitzer & Co., Inc., assignee: *See*—Daniels, Theodore L.
- Pitman, Eugene W., Swampscott, Mass. Preheater for fats. 2,395,748; Mar. 19.
- Pitman, Henry L., Hartford, Conn., assignor to Underwood Corporation. Combined typewriting and computing machine. 2,398,395; Apr. 16.
- Pitman, Ralph R., Pine Bluff, Ark. Transformer construction for inhibiting oil deterioration. 2,394,329; Feb. 5.
- Pitman, Richard W., West Hartford, Conn., assignor to Underwood Corporation. Business machine. 2,400,949; May 28.
- Pitman, Richard W., West Hartford, Conn., assignor to Underwood Corporation. Business machine. 2,405,268; Aug. 6.
- Pitrot, Adrian R.: *See*—Stewart, Alexander, Pitrot, and Kehrlich.
- Pitt, Alfred C.: *See*—Anderson, George O., and Pitt.
- Pitt, Hubert L., Bromley, England. Aircraft control surface. 2,411,107; Nov. 12.
- Pitt, Samuel: *See*—Burns, Gordon K., Pitt, and Waters. Komroff, Paul, Pitt, and Waters.
- Pittman, Ralph R., Pine Bluff, Ark. Excess-voltage protective structure for overhead conductors. 2,394,937; Feb. 12.
- Pittman, Walter F., Portsmouth, Va. Bearing. 2,399,889; May 7.
- Pittsburgh Coke & Chemical Company, assignee: *See*—Riethof, George.
- Shive, William, and Glenn.
- Pittsburgh Crushed Steel Company, assignee: *See*—Harder, Oscar E., and Pavlish.
- Pittsburgh Equitable Meter Company, assignee: *See*—Cornell, Mead, and Whittaker.
- Flowson, Sten.
- Marsh, Walter H., and Thoresen.
- Whittaker, Alexander R.
- Pittsburgh Lithograph Press Corporation, assignee: *See*—Overly, Elmer G.
- Pittsburgh Plate Glass Company, assignee: *See*—Adams, Frederick W.
- Chenick, Albert G.
- Cox, Samuel F.
- Devol, Manson L.
- Downes, Daniel T.
- Eilerman, George E.
- Farr, Henry O., Jr.
- Gerhart, Howard L., and Adams.
- Haux, Elmer H.
- Jenkins, John D.
- Lycan, William H.
- Meyers, Bernard C.
- Miller, Ralph W., and Andrews.
- Miller, Robert A., and Howard.
- Minton, Gerald Z.
- Muskat, Irving E.
- Muskat, Irving E., and Strain.
- Owen, William.
- Owen, William, and Peck.
- Pechukas, Alphonse, and Atkinson.
- Pollack Maxwell A.
- Strain, Franklin.
- Strain, Franklin, Chenick, and Muskat.
- Pittsburgh Steel Company, assignee: *See*—Kehrer, Ernest, and Faust.
- Pizzi, Albert L.: *See*—Edelman, Beril, and Pizzi.
- Place, Charles I., New Milford, assignor to The Torrington Manufacturing Co., Torrington, Conn. Propeller assembly. 2,395,193; Feb. 19.
- Place, Robert, assignor to Graphic Microfilm Service, Inc., Waltham, Mass. Microfilm projector. 2,404,189; July 16.
- Place, Robert, assignor to Graphic Microfilm Service, Inc., Waltham, Mass. Continuous camera or printer. 2,411,694; Nov. 26.
- Place, Willard P.: *See*—Agnew, Norman F., and Place.
- Place, Willard P., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Selective control and indication system. 2,400,256; May 14.
- Place, Willard P., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for selective control and indication systems. 2,400,258; May 14.
- Place, Willard P., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical control and indication apparatus. 2,400,259; May 14.
- Place, Willard P., Penn Township, Allegheny County, and A. B. Miller, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Selective control and indication system. 2,400,370; May 14.
- Place, Adolph, Philadelphia, assignor to Acme Copper-smithing & Machine Company, Oreland, Pa. Process and apparatus for producing in the pure state, butyl alcohol, acetone, and ethyl alcohol from watery solutions. 2,400,370; May 14.
- Placette, Theodore, assignee: *See*—Tweedle, Charles E.
- Planiol, André P. E., Huntington, and R. J. H. Planiol, New York, N. Y. Power plant for airplanes. 2,411,227; Nov. 19.
- Planiol, René J. H.: *See*—Planiol, André P. E. and R. J. H.
- Plank, Leavern I., Santa Barbara, assignor to Shell Development Company, San Francisco, Calif. Valve actuating mechanism. 2,404,311; July 16.
- Plapler, Celia, New York, N. Y. Combined hand and shopping bag. 2,412,007; Dec. 3.
- Plastic Inlays, Inc., assignee: *See*—Wahman, Thomas.
- Plastic Paris Development Corporation, assignee: *See*—Shapiro, Benjamin H., Thomas, and Hohl.
- Platt, Haviland H., New York, N. Y., assignor to Rotary Research Corporation, Philadelphia, Pa. Rotative-winged aircraft. 2,397,154; Mar. 26.
- Platt, Haviland H., New York, N. Y., assignor to Rotary Research Corporation, Philadelphia, Pa. Rotative-winged aircraft. 2,410,459; Nov. 5.
- Platt, Haviland H., New York, N. Y., and W. L. Le Page, Ardmore, assignors to Rotary Research Corporation, Eddystone, Pa. Rotor blade. 2,412,908; Dec. 17.
- Platt, Herbert, and C. M. Croft, Cumberland, Md., assignors to Celanese Corporation of America. Coloration of textile materials. 2,405,669; Aug. 13.
- Platt, Samuel, San Francisco, Calif. Folding box. 2,398,155; Apr. 9.
- Platter, Edgar, Albuquerque, N. Mex. Saw set. 2,409,311; Oct. 15.
- Plautz, Alfred L.: *See*—Neville, Don O., and Plautz.
- Plax Corporation, assignee: *See*—Bailey, James.
- Bailey, James, and Jesionowski.
- Bailey, James, and Pratt.
- Balin, George A.
- Jesionowski, Raymond S.
- Wiley, Fred E.
- Wiley, Fred E., Canfield, Jesionowski, and Bailey.
- Playground Equipment Company, assignee: *See*—Franklin, Robert B.
- Plabanek, Leonard Z., Chicago, Ill. Toy. 2,392,547; Jan. 8.
- Plabanek, Leonard Z., Chicago, Ill. Race horse game. 2,400,261; May 14.
- Plabanek, Leonard Z., Chicago, Ill. Radio kaleidoscopic projector. 2,411,804; Nov. 26.
- Plabanek, Leonard Z., Chicago, Ill., assignor of one-third to C. J. Strebel and one-third to A. Bird. Bounce ball game. 2,404,652; July 23.
- Plabanek, Leonard Z., Chicago, Ill., assignor of one-third to C. J. Strebel and one-third to A. Bird. Electric target game. 2,404,653; July 23.
- Pleger, Karl G., Rochester, N. Y., and A. J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y. Amino esters of diaryl succinic acids. 2,410,791; Nov. 5.
- Plahn, Henry, Brooklyn, N. Y. Brassière and making same. 2,411,462; Nov. 19.
- Plensler, Alexander W., Chicago, Ill. Fluid clutch. 2,411,755; Nov. 26.
- Plensler, Alexander W., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Signal receiving and translating apparatus. 2,404,401; July 23.
- Plensler, Alexander W., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Control apparatus for tuning radio receivers. 2,413,515; Dec. 31.
- Plessey Company Limited, The, assignee: *See*—Chitty, Michael W. G.
- Fugh, Cyril A.
- Fugh, Cyril A., and Booth.
- Fugh, Cyril A., and Say.
- Stubbs, Harold V. G.
- Pletcher, Clarence B., assignee: *See*—Pletcher, Lloyd H.
- Pletcher, Lloyd H., assignor of forty per cent to Clarence B. Pletcher, Buchanan, Mich. Coupling. 2,409,385; Oct. 15.
- Plibrico Jointless Fibrebrick Company, assignee: *See*—Anderson, John E., and Dunlap.
- Ploger, Alfred: *See*—Stewart, Robert, and Ploger.
- Plotkin, Victor J., Los Angeles, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Multiple accessory operating mechanism. 2,403,102; July 2.

- Plotsky, Louis, Kansas City, Mo. Ear muff. 2,405,326; Aug. 6.
- Plucker, Julius, III: *See—*
- O'Kelly, Johnnie A., Packer, and Work.
- Plumb, George W., North Hollywood, Calif., assignor to Adel Precision Products Corp. Hand pump. 2,396,878; Mar. 19.
- Plumley, Rochelle E., Everett, Wash. Brake shoe tool. 2,394,562; Feb. 12.
- Plummer, John F., Jr., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Cooling apparatus. 2,409,896; Oct. 22.
- Plummer, Stuart C., Akron, Ohio, assignor to All American Aviation, Inc., Wilmington, Del. Air pickup system. 2,402,574; June 25.
- Plummer, Walter D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Bottle carrier. 2,405,517; Aug. 6.
- Plumtree, Leona T., South San Francisco, Calif. Hair clip. 2,410,130; Oct. 29.
- Plunkett, Brian, Cumberland, Md., assignor to Celanese Corporation of America. Stop motion. 2,403,548; July 9.
- Plunkett, Roy J.: *See—*
- Benning, Anthony F., Downing, and Plunkett.
- Plut, Alvin A., Ponca City, Okla. Soapstone holder. 2,405,797; Aug. 13.
- Plym, Lester M., Men Ellyn, Ill., assignor to International Business Machines Corporation, New York, N. Y. Apparatus for controlling electrical circuits. 2,396,385; Mar. 12.
- Plymold Corporation, assignee: *See—*
- Goldman, Paul R.
- Goldman, Paul R., and Alt.
- Pneumatic Scale Corporation, Limited, assignee: *See—*
- Eaton, Lewis B.
- Howard, Stanley R.
- Vergobick, Robert W.
- Pocahontas Fuel Company Incorporated, assignee: *See—*
- Schweickart, William M., and Julyan.
- Poch, Waldemar J.: *See—*
- Tolson, William A., and Poch.
- Poch, Waldemar J., Moorestown, N. J., assignor to Radio Corporation of America. Control circuit. 2,402,444; June 18.
- Poch, Waldemar J., Moorestown, N. J., assignor to Radio Corporation of America. Automatic volume control circuit. 2,402,445; June 18.
- Poch, Waldemar J., Moorestown, N. J., assignor to Radio Corporation of America. Modulation system for television. 2,403,549; July 9.
- Pockman, Leonard T., San Francisco, assignor to Heintz & Kaufman, Ltd., South San Francisco, Calif. Apparatus for detecting leaks. 2,401,101; May 28.
- Pocock, Paul C.: *See—*
- MacMillin, Howard F., and Pocock.
- Podbielniak, Walter J., Chicago, Ill., assignor to B. B. Schneider. Fractionating column. 2,400,021; May 7.
- Podhajsky, James A.: *See—*
- McElhinney, Eric M., and Podhajsky.
- Poedel, Charles A., West Caldwell, N. J., assignor to Curtiss-Wright Corporation. Anti-icing means for aircraft propellers. 2,402,770; June 25.
- Poethig, Robert E., assignor to The Bastian Blessing Co., Chicago, Ill. Gas dispensing apparatus. 2,405,846; Aug. 13.
- Poff, Cecil, Tulsa, Tex. Fan. 2,396,749; Mar. 19.
- Pogue, Charles N., Montreal, Quebec, Canada. Oil refining device. 2,392,548; Jan. 8.
- Pogue, Robert B., Orange, N. J., assignor to American Brake Shoe Company. Brake shoe. 2,398,245; Apr. 9.
- Pohl, Ernest E., Elmhurst, N. Y., assignor to American Machine & Foundry Company. End labeling mechanism. 2,409,065; Oct. 8.
- Poirer, Joseph A., Woonsocket, R. I. Paper roll holder. 2,392,996; Jan. 15.
- Poirier, Ernest, Waterville, Maine. Method of and apparatus for making a band in response to the consistency of papermaking stock. 2,403,827; July 9.
- Poltras, Edward J., Jackson Heights, and J. D. Tear, Great Neck, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Stabilizing mechanism. 2,405,051; July 30.
- Poltras, Edward J., Jackson Heights, J. D. Tear, Great Neck, and W. H. Newell, New York, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Gyroscopic mechanism. 2,405,052; July 30.
- Polak, James J., and A. L. Jackson, West Asheville, assignors to American Enka Corporation, Enka, N. C. Manufacture of large permeable packages of rayon. 2,404,742; July 23.
- Polaroid Corporation, assignee: *See—*
- Baratelli, Charles A., Cochran, Dockum, and Guernsey.
- Barnes, Arthur, and Husek.
- Barnes, Carl E.
- Rogers, Howard G., and Cooper.
- Chubb, Lewis W., Jr., and Young.
- Cooper, Dexter P., Jr.
- Fairbank, Murry N., and Cooper.
- Grey, David S.
- Husek, Helen P.
- Hyman, Mark, Jr.
- Polaroid Corporation, assignee: *See—Continued*
- Land, Edwin H.
- Ostberg, Bertil E.
- Richardson, John H.
- Rogers, Howard G.
- Ryan, William H., Barnes, and Husek.
- Wolff, Otto E.
- Woodward, Robert B., and Doering.
- Poleritzky, Igor E., Miami, Fla. Illuminating device. 2,405,518; Aug. 6.
- Polgov, Nicholas G., assignor to Delta-Star Electric Company, Chicago, Ill. Switch construction. 2,394,804; Feb. 10.
- Polincze, Emerie, assignor to G. I. and H. Goldwyn, Chicago, Ill., co-partners doing business as Goldwyn Brothers. Sewing machine. 2,395,579; Feb. 26.
- Polk Development Company, The, assignee: *See—*
- Polk, Ralph Sr., and R., Jr.
- Polk, Joseph, New York, N. Y. Slide fastener. 2,392,338; Jan. 8.
- Polk, Louis F., and W. F. Aller, assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,412,421; Dec. 10.
- Polk, Ralph, Jr.: *See—*
- Polk, Ralph, Sr., and R., Jr.
- Polk, Ralph, Sr., and R., Jr., assignors to the Polk Development Company (not incorporated), Tampa, Fla., a co-partnership of R. Polk, Sr., and R. Polk, Jr. Treating fruits having pits. 2,402,181; June 18.
- Polkosnik, Bernard L., Bridgeport, Conn. Cigarette or cigar lighter. 2,399,292; Apr. 30.
- Pollack, Joseph, Corporation, assignee: *See—*
- Hasselbaum, Oscar H.
- Pollack, Lowell, Austin, Tex., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters of carbonic acid and polymers thereof. 2,407,446; Sept. 10.
- Pollak, Carl, Forest Hills, N. Y. Apparatus for making propension control. 2,412,288; Dec. 10.
- Pollak Manufacturing Company, assignee: *See—*
- Markey Roscoe I.
- Pollak, Peter I.: *See—*
- Zerner, Ernst, Davies, and Pollak.
- Pollard, Aloysious P., Highland Park, Mich. Tool bit grinding machine. 2,394,202; Feb. 5.
- Pollard, Cash B., and L. J. Kitchen, Gainesville, assignors to the Board of Commissioners of State Institutions, Tallahassee, Fla. Process for synthesizing ring compounds. 2,400,022; May 7.
- Pollard, Charles E., Detroit, Mich. Fifth wheel mechanism for tractors. 2,407,447; Sept. 10.
- Pollard, Charles E., Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacture of glass sealed contact units. 2,392,099; Jan. 1.
- Pollard, Charles E., Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealed contact device. 2,406,036; Aug. 20.
- Pollard, Ernest I.: *See—*
- Baudry, René A., and Pollard.
- Pollard, Ernest I., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ship propulsion control. 2,399,351; Apr. 30.
- Pollard, Ernest I., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Armature winding. 2,403,118; July 2.
- Pollard, John D., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Treatment of cellulosic materials. 2,394,009; Feb. 5.
- Pollard, Robert R., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for subdividing a mass. 2,393,185; Jan. 15.
- Pollard, Willard L., Evanston, Ill. Transmission and control therefor. 2,408,951; Oct. 8.
- Pollock, Doyon H.: *See—*
- Edmister, Wayne C., and Pollock.
- Pollock, Frank S.: *See—*
- Huyett, Daniel D., and Pollock.
- Pollock, Frank S., Jr., Martinsburg, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricated traveler ring. 2,406,901; Sept. 3.
- Pollock, Martin S., East Chester, N. Y. Moistening device. 2,413,652; Dec. 31.
- Pollock, Benjamin C., New York, N. Y. Display device. 2,404,089; July 16.
- Polston, John R.: *See—*
- Cook, Fay V., and Polston.
- Polydoroff, Vladimir J., Chicago, Ill. Directional antenna system. 2,399,382; Apr. 30.
- Polydoroff, Vladimir J., Chicago, Ill., assignor to Radio Corporation of America, New York, N. Y. Ultra high frequency inductor. 2,401,882; June 11.
- Pomeroy, Richard D., Altadena, assignor of one-half to H. D. Kirschman, Tujunga, Calif. Method of and apparatus for treating liquids. 2,413,375; Dec. 31.
- Pomeroy, Roy J., assignor to Octave B. Clarke, Los Angeles, Calif. Striking line holder. 2,395,805; Apr. 23.
- Pomeroy, Roy J., Los Angeles, Calif., assignor, by mesne assignments, of one-sixth to M. H. Hirshtein, one-sixth to R. R. Newman, and one-sixth to M. J. Hirshtein, trustee for the benefit of Pearl Hirshtein, Cleveland, Ohio. Drafting machine. 2,413,376; Dec. 31.

- Pomieraniec, Israel, London, assignor to Transplanters (Robot) Limited, Sandridge, near St. Albans, England. Potato-planting machine. 2,397,691; Apr. 2.
- Ponomareff, Alexander I., Upper Darby, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Blower apparatus. 2,393,808; Jan. 29.
- Ponomareff, Alexander I., Upper Darby, and W. A. Mayne, Lansdowne, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Blower apparatus. 2,400,711; May 21.
- Pontecorvo, Bruno, Montreal, Quebec, Canada, assignor to Well Surveys, Incorporated, Tulsa, Okla. Well surveying. 2,398,324; Apr. 9.
- Pontius, George W., III, South Bend, Ind. Charger valve. 2,408,680; Oct. 1.
- Pontius, George W., III, assignor to Bendix Aviation Corporation, South Bend, Ind. Lubricated piston. 2,398,910; Apr. 23.
- Pontius, George W., III, assignor to Bendix Aviation Corporation, South Bend, Ind. Machine gun synchronizer. 2,411,290; Nov. 19.
- Pontius, George W., III, A. P. Wilson, and F. V. Kuzmitz, South Bend, Ind. Gun turret sighting compensation system. 2,408,681; Oct. 1.
- Pontius, George W., III, A. P. Wilson, and F. V. Kuzmitz, assignors to Bendix Aviation Corporation, South Bend, Ind. Gun turret power control. 2,404,090; July 16.
- Pontius, George W., III, A. P. Wilson, and F. V. Kuzmitz, assignors to Bendix Aviation Corporation, South Bend, Ind. Trigger system for gun turrets. 2,406,102; Aug. 20.
- Pontius, George W., III, and A. P. Wilson, assignors to Bendix Aviation Corporation, South Bend, Ind. Automatic gun charger. 2,413,112; Dec. 24.
- Pontius, George W., III, and A. P. Wilson, assignors to Bendix Aviation Corporation, South Bend, Ind. Automatic gun charger. 2,413,113; Dec. 24.
- Pontius, George W., III, and F. V. Kuzmitz, assignors to Bendix Aviation Corporation, South Bend, Ind. Gun turret. 2,413,114; Dec. 24.
- Pool, Byron R., Evansville, Ind. Auxiliary fluid pressure system. 2,406,510; Aug. 27.
- Pool, Clarence, Rivera, Calif. Valve construction. 2,392,501; Jan. 8.
- Pool, Stuart D., Moline, and R. D. Downing, Rock Island, Ill., assignors to International Harvester Company. Tractor-mounted implement. 2,401,183; May 28.
- Poole, David M., Summit, N. J., assignor to United Aircraft Corporation, East Hartford, Conn. Nozzle control. 2,411,895; Dec. 3.
- Poole, Harold J.; See—
Lubbock, Isaac, Gollin, Lindsay, and Poole.
- Poole, Ralph, Fredbury, England. Enclosing casing of impellers or impellers. 2,393,933; Jan. 29.
- Pooler, George H., Marietta, Ohio. Roundabout. 2,408,479; Oct. 1.
- Poor & Company, assignee; See—
Boland, Edward J.
Lansing, Horace L.
Preston, Fred A.
- Poor, Fred M., Seattle, Wash. Refuse burning grate. 2,412,694; Dec. 17.
- Pope, David M., Lake Forest, and T. F. Spackman, Chicago, assignors of one-half to Stewart-Warner Corporation, Chicago, Ill., and one-half to Streater Furniture Shops, Inc., Streater, Ill. Laminated wood wheel and making same. 2,394,477; Feb. 5.
- Pope, Jessie, Ecorse, Mich. Croquignole iron. 2,409,791; Oct. 22.
- Pope, Thomas J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave translating device. 2,405,604; Aug. 13.
- Pope, William C., Seattle, Wash. Cable slitting machine. 2,413,192; Dec. 24.
- Pope, Winslow B., Detroit, Mich., assignor, by mesne assignments, to United States of America. Cage member. 2,404,190; July 16.
- Pope, Winslow B., Detroit, Mich., assignor, by mesne assignments, to United States of America. Rocket motor. 2,406,560; Aug. 27.
- Pope, Winslow B., Detroit, Mich., assignor, by mesne assignments, to United States of America. Projectiles. 2,412,173; Dec. 3.
- Popham, Frederick J. W., New Barnet, assignor to The British Rubber Producers' Research Association, London, England. Rubber-phenol aldehyde condensation products. 2,392,691; Jan. 8.
- Popham, Frederick J. W., New Barnet, assignor to The British Rubber Producers' Research Association, London, England. Resinous condensation products and molding compositions produced therefrom. 2,401,102; May 28.
- Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Portable lamp guard. 2,413,417; Dec. 31.
- Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Portable lamp. 2,413,517; Dec. 31.
- Popper, Max, Brooklyn, N. Y., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Combined seaming and pinking mechanism. 2,397,431; Mar. 26.
- Porcelain Metals Corporation, assignee; See—
Burnett, Ralph E.
- Porcelain Products, Inc., assignee; See—
Lalande, William A., Jr.
Loy, John G.
Mitchell, John E. M.
- Porcelli, Alfonso, Brooklyn, N. Y. Antiskid canvas device. 2,408,152; Sept. 24.
- Porcelli, Frank, Rego Park, N. Y. Toy clock. 2,406,251; Aug. 20.
- Porcelot Corporation, assignee; See—
La Lande, William A., Jr.
Lalande, William A., Jr., and Helmenann.
- Portable Elevator Mfg. Co.; See—
Dennis, Luther D.
- Porter, Albert M., Newton, Kans. Circulating compressor. 2,399,571; Apr. 30.
- Porter, Bennett J.; See—
Miller, Ward E., and Porter.
- Porter, Carl W., Alexandria, Va. Impact wrench. 2,399,251; Apr. 30.
- Porter, Charles A., Nutley, assignor to Resistoflex Corporation, Belleville, N. J. Adhering of polyvinyl alcohol compositions to other materials. 2,408,682; Oct. 1.
- Porter, Edward, Bradenton, Fla. Trunk-piston body. 2,413,154; Dec. 24.
- Porter, Edward, assignor of two-twentieths to A. W. Larson, Akron, Ohio. Rim structure for wheels. 2,395,064; Feb. 19.
- Porter, Edward, assignor of two-twentieths to A. W. Larson, Akron, Ohio. Amphibian vehicle. 2,400,132; May 14.
- Porter, Edward, assignor of two-twentieths to A. W. Larson, Akron, Ohio. Ski runner. 2,404,402; July 23.
- Porter, Frank, Syracuse, assignor to The Solvay Process Company, New York, N. Y. Manufacture of phenol. 2,392,875; Jan. 18.
- Porter, Gilbert E., Los Angeles, Calif., assignor to L. J. Rosa, Detroit, Mich. Brake mechanism. 2,407,097; Sept. 3.
- Porter, H. K., Company, Inc., assignee; See—
Garraway, George H.
Milheizer, Joseph M.
- Porter, Henry D., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Sulphur-containing esters. 2,396,879; Mar. 19.
- Porter, James M., Westland, Mo. Automatic parachute release coupling. 2,400,165; May 14.
- Porter, John W., Muskogee, Okla. Measuring dispenser. 2,393,478; Jan. 22.
- Porter, Noel E.; See—
Packard, David, and Porter.
- Porter, Roscoe C.; See—
Briggs, Southwick W., Bauer, Ewhank, and Porter.
- Porter, William W., Haycock, Alaska. Tractor track chain. 2,392,406; Jan. 8.
- Porteus, John H., Wellesley, Mass., assignor to The Baldwin Locomotive Works. Railway car tilting apparatus. 2,404,091; July 16.
- Porteus, John H., Wellesley, Mass., assignor to The Baldwin Locomotive Works. Railway truck. 2,411,978; Dec. 3.
- Portman, Lawrence B. and R. H., and F. J. Acton, Mount Vernon, N. Y. Optical comparator. 2,391,999; Jan. 1.
- Portman, Raymond H.; See—
Portman, Lawrence B. and R. H., and Acton.
- Porzelt, Paul, et al., assignee; See—
Weiss, Gerhart.
- Posch, Oskar, Stuttgart-Bad Cannstatt, Germany; vested in the Alien Property Custodian. Liquid pump. 2,396,602; Mar. 12.
- Position Finder Corporation, assignee; See—
Hagner, Frederick H.
- Posner, Hyman, assignee; See—
Sbarra, Joseph.
- Posselt, Edward J., Fox Point, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motor-driven traveling machines. 2,405,053; July 30.
- Post, Norman W., Philadelphia, Pa. Wallet or purse. 2,407,964; Sept. 17.
- Postal Telegraph-Cable Company (New York), assignee; See—
Likel, Harry C.
- Posters Machines Corporation, assignee; See—
Walker, Bradley A.
- Posture Research Corporation, assignee; See—
Fields, Frank D., and Alfreds.
Wood, Glenn D., and Turner.
- Potapenko, Gennady, Pasadena, Calif. Electric distance meter. 2,404,527; July 23.
- Potomac Hydrocarbon Process Corporation, assignee; See—
Rose, James R.
- Pott, August F., Zella-Mehlis, Germany; vested in the Alien Property Custodian. Sequentially controlled multiple clutch mechanism. 2,399,890; May 7.
- Pott, August F., Zella-Mehlis, Thuringia, Germany; vested in the Alien Property Custodian. Calculation machine for performing division. 2,408,097; Sept. 24.
- Potter, Charles E., Richmond Heights, and J. W. Kendall, St. Louis, Mo., said Kendall assignor to said Potter. Recorder. 2,392,876; Jan. 15.

- Potter, Charles P., Toronto, Ontario, Canada. Calendar. 2,393,809; Jan. 29.
- Potter, Dwight J., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Organic compounds and preparing same. 2,412,909; Dec. 17.
- Potter, Elizabeth F., executor, et al.: *See—*
Frost, Frank R.
- Potter, Goral O., Waubun, assignor of one-half to L. Roy, Mahanomen, Minn. Fish spear. 2,404,249; July 16.
- Potter, Harry E.: *See—*
Anderson, John E., Ballard, and Potter.
- Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated. Voltage regulated rectifying system. 2,413,933; Dec. 24.
- Potter, James H.: *See—*
Woodward, Hiram W., and Potter.
- Potter, John T., Manhasset, N. Y. Audience demand meter. 2,397,362; Apr. 2.
- Potter, John T. Port Washington, N. Y., assignor to General Electric Company. Instrument-reading register and printer. 2,393,186; Jan. 15.
- Potter, Joseph L., Indianapolis, Ind. Fishing device. 2,406,252; Aug. 20.
- Potter, Orville, V., Sacramento, Calif. Foot massaging device. 2,400,023; May 7.
- Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,395,758; Feb. 26.
- Potter, Ralph K., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,403,996; July 16.
- Potter, Ralph K., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Representation of complex waves. 2,403,997; July 16.
- Potter, Rowland S., Brightford Heights, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for making photographic prints of variable contrast light-sensitive material. 2,392,502; Jan. 8.
- Potter, Rowland S., Brightford Heights, and R. F. Brown, Rochester, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Temporary support for photographic gelatin layers and transferring same to permanent supports. 2,392,503; Jan. 8.
- Pottinger, Alexander, Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,394,102; Feb. 5.
- Pottle, Ralph K., assignor to American Can Company, New York, N. Y. Apparatus for securing a metallic annulus. 2,403,998; July 16.
- Pottmeyer, Edward W., assignor to Blaw-Knox Company, Pittsburgh, Pa. Cooling apparatus for furnace ports. 2,406,399; Aug. 27.
- Potts, Frank C.: *See—*
Tills, John W., Lovatt, and Potts.
- Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Distribution system. 2,395,428; Feb. 26.
- Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Photoelectric transmitter synchronizer. 2,397,202; Mar. 26.
- Potts, Louis M., deceased, Evanston, Ill.: M. W. C. Potts, executrix. Image translating apparatus. 2,402,771; June 25.
- Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Mechanical ciphering system. 2,403,679; July 9.
- Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Ciphering system. 2,403,680; July 9.
- Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Ciphering system. 2,403,681; July 9.
- Potte, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Mechanical ciphering system. 2,403,682; July 9.
- Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Toll metering system. 2,404,654; July 23.
- Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Tape feed alarm. 2,410,521; Nov. 5.
- Potts, M. W. C., executrix: *See—*
Potts, Louis M.
- Potts, Ralph H., La Grange, assignor to Armour and Company, Chicago, Ill. Treating fatty acid-containing stock. Re. 22,775; July 30.
- Poulis, Gus, assignee: *See—*
Argyris, Stefanos.
- Poulsen, Alfred E., Los Angeles, Calif. Portable cart dumping apparatus. 2,411,225; Nov. 19.
- Poulsen, Charles L., and H. F. Rose, Akron, Ohio. Safety key cabinet. 2,405,369; Aug. 6.
- Poulter, Thomas C., and C. F. Strom, Chicago, Ill., assignors to American Steel Foundries. Vacuum control means and method. 2,402,613; June 25.
- Pounds, Richard T., assignor to The Exact Weight Scale Company, Columbus, Ohio. Tare weight compensating apparatus for weighing scales. 2,407,513; Sept. 10.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Shearproof rivet. 2,393,564; Jan. 22.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastener device. 2,395,141; Feb. 19.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Lock nut. 2,395,142; Feb. 19.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastening device. 2,401,184; May 28.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastening device. 2,405,925; Aug. 13.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastening device. 2,408,340; Sept. 24.
- Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slide fastener stringer tape. 2,405,902; Aug. 13.
- Pouzaer, Morris, assignee: *See—*
Hutchinson, Job.
- Powderloys Limited, assignee: *See—*
Trent, Edward M.
- Powell, Alric H., Yendon, Pa., assignor to General Electric Company. Timing control apparatus. 2,393,187; Jan. 15.
- Powell, Arthur L., Totternville, Staten Island, and W. J. Robinson, Baldwin, Long Island, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rough service electrical device. 2,398,595; Apr. 16.
- Powell, Edward R.: *See—*
Hawthorne, Louis A., and Powell.
- Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Mineral wool apparatus. 2,399,383; Apr. 30.
- Powell, Edward R., North Plainfield, N. J., and H. E. Holcomb, Stratford, Conn., assignors to Johns-Manville Corporation, New York, N. Y. Manufacture of felted products. 2,409,066; Oct. 8.
- Powell, Edward R., assignor to Hubbard Spool Company, Chicago, Ill. Reel or beam. 2,411,937; Dec. 3.
- Powell, Elnor M., and W. S. Patterson, Chappaqua, assignor to Combustion Engineering Company, Inc., New York, N. Y. Superheater baffling. 2,403,237; July 2.
- Powell, Erwin F., Wyden Green, and P. W. Badham, Erdington, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Sealing tubeless pneumatic tire. 2,399,572; Apr. 30.
- Powell, George M., III, South Charleston, W. Va., assignor to Carl Carbon Chemicals Corporation. Vinyl resin coating composition. 2,411,590; Nov. 26.
- Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,396,473; Mar. 12.
- Powell, Herschel F.: *See—*
Rosebrook, Homer E., and Powell.
- Powell, James A., Wyomissing Hills, Pa. Fluid evaporator. 2,398,396; Apr. 16.
- Powell, Paul R., Baltimore, Md. Machine tool. 2,403,119; July 9.
- Powell, Robert D., Camden, N. J. Piston ring gap filler. 2,395,429; Feb. 26.
- Powell, Sheppard T.: *See—*
Farmer, Harold C., and Powell.
- Powell, Thomas M.: *See—*
Clausen, William H., and Powell.
- Powell, William S., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Inlet valve for gas compressors. 2,410,522; Nov. 5.
- Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Telephone system. 2,402,446; June 18.
- Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Telephone line circuit. 2,403,877; July 9.
- Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Automatic telephone system. 2,409,586; Oct. 15.
- Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Automatic telephone system. 2,410,304; Oct. 29.
- Power Brake Parts Manufacturing and Sales Company, assignee: *See—*
Joburn, Howard W.
- Power Equipment Company, assignee: *See—*
Bixby, William H., and Middleton.
- Whittle, Frank.
- Power Jets (Research and Development) Limited, assignee: *See—*
Whittle, Frank.
- Powers Accounting Machines Limited, assignee: *See—*
Holden, Norman G.
- Thomas, Arthur, and Excell.
- Powers, Frank R.: *See—*
Rose, Bennie A., and Powers.
- Powers, Frank B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric towing car catapult for aircraft. 2,404,984; July 30.
- Powers, Frank T., Glen Cove, N. Y. Traffic light. 2,402,206; June 18.
- Powers, Frank T., Glen Cove, N. Y. Traffic light. 2,407,382; Sept. 10.
- Powers, Frank T., Glen Cove, N. Y. Developing collod resist with substantive dyes. 2,411,108; Nov. 12.
- Powers, Frank T., Glen Cove, N. Y. Etching rotogravure printing members. 2,411,109; Nov. 12.
- Powers, Henry V.: *See—*
Gracia, Albert J.
- Powers, John M., Baytown, Tex., assignor to Standard Oil Development Company. Production of aviation gasoline. 2,393,565; Jan. 22.
- Powers, John W., assignor to Free Press Association, Burlington, Vt. Matrix assembler lever mechanism. 2,399,252; Apr. 30.
- Powers, Milton A., Detroit, Mich. Plastic product. 2,410,744; Nov. 5.

- Powers, Milton A., and N. H. Sutterfield, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Liquid fuel burning apparatus. 2,405,234; Aug. 6.
- Powers Regulator Company, The, assignee: See—
Saballus, Erwin, and Fischer.
- Powley, Otto, assignor to Robert Powley & Sons Limited, Sunderland, England. Header for bottle filling machines. 2,396,903; Mar. 12.
- Powley, Robert, & Sons Limited, assignee: See—
Powley, Otto.
- Poylo, Michael C., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio mounting structure. 2,404,403; July 23.
- Poz, William M., U. S. Navy, Park Ridge, N. J. Terminal weight. 2,407,682; Sept. 17.
- Pozgay, Carl, Jamaica, N. Y. Marine carburetor clutch control. 2,411,463; Nov. 19.
- Practo Photo Accessories Corp., assignee: See—
Nagel, Henry.
- Prager, Frank H., Merion, assignor to Alcorn Combustion Company, Philadelphia, Pa. Fluid heater. 2,396,200; Mar. 5.
- Prager, Frank D.: See—
Parker, Henry C., and Prager.
- Prager, Frank D., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Liquid treatment. 2,400,598; May 21.
- Prager, Frank D., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Liquid treatment. 2,411,890; Nov. 19.
- Prager, Martin, Irvington, N. J. Bottle closure device. 2,412,833; Dec. 17.
- Prall, Harry R., Upper Darby, Pa., Swarthmore National Bank and Trust Company, administrator of said Harry R. Prall, deceased, assignor to B. L. Braun Appliqué attachment for sewing machines. 2,394,873; Feb. 12.
- Prance, Alvin W., Royal Oak, assignor to Briggs Manufacturing Company, Detroit, Mich. Making plastic articles. 2,410,561; Oct. 29.
- Prance, Vernon A.: See—
Dawson, Reginald C., Couch, and Prance.
- Pranger, Albert, assignor to The Guberson Corporation, Dallas, Tex. Pressure drilling head. 2,401,960; June 11.
- Pringley, Curtis F., Evanston, Ill. Liquid dispensing device. 2,400,888; May 28.
- Prat-Daniel Corporation, assignee: See—
Watson, John E., Whitton, and McBride.
- Pratt, Dyl, Eivello, Badalona, Spain. Electric motor. 2,401,662; June 4.
- Prather, Charles and F. A. Rydberg, Bairoil, Wyo. Drill pipe spinner. 2,400,712; May 21.
- Pratt, Carl D., and J. A. Farr, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del. Sheathing material. 2,413,516; Dec. 31.
- Pratt, George W., Lancaster, Pa., assignor to Radio Corporation of America. Cathode ray tube. 2,409,514; Oct. 15.
- Pratt, Herbert A.: See—
Bailey, James, and Pratt.
- Pratt, James H., Birmingham, England. Sealing means for pistons subject to fluid pressure. 2,411,229; Nov. 19.
- Pratt, John L., assignee: See—
Roop, Elston A.
- Pratt, Lawrence E., Chicago, Ill. Mechanical hammer. 2,401,794; June 11.
- Pratt, Leonard C.: See—
Hamilton, Hugh G., Pratt, and Skrobisch.
- Pratt, Perry W., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Engine induction apparatus. 2,397,327; Mar. 26.
- Pratt Read & Company, assignee: See—
Betz, William G.
- Pratt, Robert K., Sr., Healy, Va. Flowerpot. 2,406,439; Aug. 27.
- Pratt, Verneur E., and D. E. Reed, Norwalk, Conn.; said Reed assignor to said Pratt, continuous film processing apparatus. 2,401,185; May 28.
- Pratt, Verneur E., Norwalk, Conn., assignor to Microstat Corporation. Camera. 2,407,902; Sept. 17.
- Pratt, Verneur E. and G. F. Gray, Norwalk, Conn. Feeding apparatus. 2,410,611; Nov. 5.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film feeding device. 2,412,551; Dec. 10.
- Prause, Robert, Augsburg, Germany; vested in the Alien Property Custodian. Device for adjusting the pitch of air propellers. 2,404,743; July 23.
- Pray, George E., Clearfield, Pa. Double modulation radio receiver. 2,411,133; May 14.
- Precision Development Company Limited, assignee: See—
Olsh, George.
- Preco Incorporated, assignee: See—
Van Dorn, William E.
- Predmore, Bert, assignor to The Seamless Rubber Company, New Haven, Conn. Making rubber goods. 2,407,768; Sept. 17.
- Preger, Dan, assignee, et al.: See—
Axel, Eugene J.
- Preiswerk, Ernst, Munchenstein, near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Stabilized ferrous sulfate. 2,411,636; Nov. 26.
- Premas, Peter S., Chicago, Ill. Doughnut forming machine. 2,405,903; Aug. 13.
- Premier Crystal Laboratories, Inc., assignee: See—
Bach, Henry M.
- Preussmann, Charles F.
- Premium Merchandising Corporation, assignee: See—
Moore, David P.
- Prendergast, Laurence: See—
Hagen, John A., Gregor, and Prandergast.
- Prentiss, James A., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and making. 2,394,478; Feb. 5.
- Prentice, James M., assignee, et al.: See—
Ellis, Clarence M.
- Prentice, Thomas G., Detroit, Mich. Sash fastening. 2,392,997; Jan. 15.
- Prentice, William G., Indianapolis, Ind. Cable splice vulcanizing mold. 2,407,683; Sept. 17.
- Prentiss Wabers Products Co., assignee: See—
Nelson, Averd, and Niemann.
- Prescott, Ford L.: See—
Kinnucan, James W., and Prescott.
- Prescott, Harry T., Great Falls, Mont., assignor to Anaconda Copper Mining Company, New York, N. Y. Cathode metal and producing the same. 2,392,614; Jan. 8.
- Press Wireless, Inc., assignee: See—
Bernstein, Philip.
- Gerhard, Anthony E., and Frain.
- Sprague, Robert M.
- Twining, Herschel.
- Verity, Frank, Jr.
- Pressed Steel Tank Company, assignee: See—
Merker, Herman, and Newton.
- Preston, Herman, Los Angeles, Calif. Adjustable jig and holder. 2,399,824; May 7.
- Pressure Weld Company, assignee: See—
Forbes, Arthur L., Jr.
- Prest-O-Lite Company, Inc., The, assignee: See—
Berger, Elwood A.
- Preston, Everett A.: See—
Wilson, Lyndon F., and Preston.
- Preston, Frank W., Butler, Pa. Forming structural glass. 2,399,825; May 7.
- Preston, Fred A., Lake Forest, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Fastening tie plates upon cross-ties. 2,397,750; Apr. 2.
- Preston, John E., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Fabric pressing apparatus. 2,398,325; Apr. 9.
- Preston, John E., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Folding machine and control therefor. 2,401,103; May 28.
- Preston, John E., Northport, N. Y., assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Combined folding and stacking machine. 2,403,394; July 2.
- Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,401,290; May 28.
- Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,403,120; July 2.
- Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Communication system. 2,408,878; Oct. 8.
- Previdl, William T., Englewood, N. J. Garment sleeve. 2,407,383; Sept. 10.
- Prewitt, Richard H., Lansdowne, Pa., assignor to Kellett Aircraft Corporation. Resilient mount for aircraft. 2,395,143; Feb. 19.
- Prewitt, William C., Palm Beach County, assignor to United States Sugar Corporation, Clewiston, Fla. Weed burner. 2,409,792; Oct. 22.
- Prezioso, Giuseppe, Yverdon, Switzerland, assignor to E. Paillard & Co. S. A. Device for manipulating account forms in rotary office machines. 2,411,335; Nov. 19.
- Price Brothers Company, assignee: See—
Miller, Joseph E., and Osweller.
- Price, Donald, New York, and R. Griffith, Fairhaven, assignors to National Products Company, Harrison, N. J. Manufacture of halo alkoxyl derivatives of fatty acids. 2,392,100; Jan. 1.
- Price, Donald, New York, N. Y., assignor to National Oil Products Company, Harrison, N. J. Rosin alkylation. 2,392,945; Jan. 15.
- Price, Donald, New York, N. Y., and F. J. Sprules, Arlington, assignors to National Oil Products Company, Harrison, N. J. Production of alpha-haloenated keto acids. 2,396,969; Mar. 19.
- Price, Donald, New York, N. Y., and E. L. May, Chevy Chase, Md., assignors to National Oil Products Company, Harrison, N. J. Surface active rosin derivatives. 2,397,192; Apr. 2.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Piston. 2,396,386; Mar. 12.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,400,445; June 18.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure system. 2,402,344; June 18.
- Price, Fannie, New York, N. Y. Hair comb. 2,401,186; May 28.

- Price, George E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,392,692; Jan. 8.
- Price, H. C., Company, assignee: *See*—
Elliott, Bernard V., and Price.
- Price, Harold C.: *See*—
Elliott, Bernard V., and Price.
- Price, John H., Jackson Heights, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Simulated patent leather. 2,396,125; Mar. 5.
- Price, Llewellyn R., Fort Washington, Pa. Lettering guide. 2,392,615; Jan. 8.
- Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Pressurizing equipment for aircraft. 2,405,670; Aug. 13.
- Price, Peter R., Bristol, assignor, by mesne assignments, to Rotol Limited, Gloucester, England. Speed-control and synchronizing device. 2,408,683; Oct. 1.
- Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Hydraulic timing mechanism. 2,392,261; Jan. 1.
- Price, Thomas H., Chelmsford, England, assignor to Radio Corporation of America. Limiter circuit. 2,398,596; Apr. 16.
- Pritchard, William W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,395,842; Feb. 26.
- Pride, Alfred M., U. S. Navy. Landing-deck light. 2,403,610; July 9.
- Pride, Gilbert E.: *See*—
Osterberg, Harold, Pride, and Heijn.
- Pridonoff, Eric J., Alhambra, and A. J. Schneider, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Producing nitrogen from internal-combustion engine exhaust gases. 2,409,386; Oct. 15.
- Priepke, Rudolf J., North Brunswick Township, Middlesex County, J. H. Emigh, Milwilton, and C. O. Pike, Highland Park; N. J., assignors to Industrial Tape Corporation. Pressure sensitive adhesive. 2,405,926; Aug. 13.
- Priessman, Neil Y., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor device. 2,394,479; Feb. 5.
- Priessman, Neil Y., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor. 2,395,759; Feb. 26.
- Priest, Charles H., Jr., Pasadena, Calif. Drilling machine. 2,397,563; Apr. 2.
- Priest, Dwight E.: *See*—
Lenk, Kurt H., and Priest.
- Prieto, Fernando G., Los Angeles, Calif. Combustion engine. 2,399,597; Apr. 30.
- Prieto, Fernando G., Los Angeles, Calif. Combustion engine. 2,403,395; July 2.
- Prime Manufacturing Company, assignee: *See*—
Ridderstrom, Andrew R.
- Prime Manufacturing Company, The, assignee: *See*—
Moore, Sidney A.
- Prince, Alan T.: *See*—
Perry, John S. C., and Prince.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electric induction machine. 2,401,187; May 28.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Internal-combustion engine with variable compression ratio. 2,401,188; May 28.
- Prince, David D.: *See*—
Thumim, Carl, Prince, and Dhonau.
- Princeton Incorporated, assignee: *See*—
Fleisher, Harry.
- Pringle, Mark A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control scheme. 2,408,226; Sept. 24.
- Pringle, Orville R., Minneapolis, Minn. Elevating end gate. 2,405,054; July 30.
- Printing Patents Research, Inc., assignee: *See*—
Kreber, Frank W., Gosser, and Schaffert.
- Prior, Fred, Dallas, Tex. Fuel tank mounting. 2,410,182; Oct. 29.
- Prior, James C.: *See*—
Battersby, Robert B., and Prior.
- Priour, James W., Ingram, Tex. Coat for animals. 2,400,781; May 21.
- Prismacolor, Inc., assignee: *See*—
Lebus, William A.
- Pritchard, Edward M.: *See*—
Devol, George C., Jr., Pritchard, and Sherman.
- Pritchard, Frederick A., Waterbury, Conn., assignor to The Bristol Company. Adjustable cam member. 2,402,447; June 18.
- Pritt Novelty Co., Inc., assignee: *See*—
Mizrach, Isador.
- Procter & Gamble Company, assignee: *See*—
Eckey, Eddy W., and Taylor.
- Procter & Gamble Company, The, assignee: *See*—
Lind, Otto.
- McClain, Herbert K.
- Taylor, James E.
- Tucker, Nathaniel B.
- Proctor, Bernard E., assignee: *See*—
Brody, Julius.
- Proctor & Schwartz, Incorporated, assignee: *See*—
Weber, John W.
- Productive Inventions, Inc., assignee: *See*—
Anderson, John W.
- Smulski, Theodore J.
- Products Development, Inc., assignee: *See*—
Abernathy, David W.
- Graft, Samuel.
- Hoffman, Nathan.
- Proell, Wayne A.: *See*—
Rittschof, William L., and Proell.
- Prohaska, James J., assignor to Industrial Patents Corporation, Chicago, Ill. Sausage linking machine. 2,406,163; Aug. 20.
- Prohl, Gustave, Newark, N. J. String tensioning device for musical instruments. 2,397,289; Mar. 26.
- Pronto File Corporation, assignee: *See*—
Mandel, Jacob.
- Propane Development Corporation, assignee: *See*—
Schlumbohm, Peter.
- Prophy-lac-tic Brush Company, assignee: *See*—
Dahle, Joseph.
- D'Alelio, Gaetano F.
- Wilson, Frank, Esselen, and D'Alelio.
- Prosperity Company, Inc., The, assignee: *See*—
Asher, William J.
- Davis, Ernest.
- Devol, George C., Jr., Pritchard, and Sherman.
- Wallace F.
- Ledbetter, James C., Pritchard, and Sherman.
- Yanchenko, Basil J.
- Pross, William C., Bainbridge, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Seal. 2,399,998; Jan. 15.
- Pross, William C., Bainbridge, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Ventilating apparatus. 2,399,384; Apr. 30.
- Prosser, Harold P., Mount Vernon, N. Y. Television image projection system. 2,398,980; Apr. 23.
- Protocessel Company, The, assignee: *See*—
Dixon, Cletus.
- Prott, William, Poynette, Wis. Animal trap. 2,404,744; July 23.
- Proudman, Chester F., and H. H. Goossen, New Canaan, Conn. Grass cutter. 2,398,397; Apr. 16.
- Proux, Jean, Hull, Quebec, Canada. Cover for the suction boxes of papermaking machines. 2,408,176; Sept. 24.
- Province, Paul E., Kent, Ohio. Roller bearing. 2,398,459; Apr. 16.
- Prox, Frank, Company, Inc., assignee: *See*—
Fulke, Frank L.
- Prucha, Frank J.: *See*—
Gall, Carl, and Prucha.
- Pruder, Henry V., assignor of thirty per cent to A. Mousseau, Detroit, Mich. Portable sportsman's seat. 2,394,203; Feb. 5.
- Prudhon, Glenn L., North Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical measuring system. 2,404,886; July 30.
- Prutt, Harvey E., assignor of one-twentieth to Gibson Refrigerator Company, Greenville, Mich., and nineteen-twentieths to E. M. Rice, Hanna, Ind. Metalworking machine. 2,411,110; Nov. 12.
- Prussack, Benjamin J., Brooklyn, N. Y. Electrical switch. 2,399,449; Apr. 30.
- Prutzman, Alexander L., Portland, Ore. Adjustable ladder. 2,405,269; Aug. 6.
- Pruett, Carl F., East Cleveland, assignor to The Lubrizol Corporation, Wickliffe, Ohio. Lubricating compositions. 2,396,223; Mar. 5.
- Pruett, Carl F., assignor of one-half to A. K. Smith, Shaker Heights, Ohio. Inhibitors. 2,400,573; May 21.
- Prutzman, Paul W.: *See*—
Bolinger, John C., and Prutzman.
- Pryde, Robert H. H.: *See*—
Gent, Harry, and Pryde.
- Psalis, John, New York, N. Y. Novelty amusement air ride apparatus. 2,412,060; Dec. 3.
- Ptacek, Anna, New York, N. Y. Speaker attachment for radios. 2,399,508; Apr. 30.
- Publication Corporation, assignee: *See*—
Grimschaw, Hugh M.
- Kott, Hermann.
- Public Metal Products, Inc., assignee: *See*—
Nisenson, Jules.
- Puddington, Ira E.: *See*—
Galay, Wilfred, and Puddington.
- Pudge, Frederick A., Boise, Idaho. Injector construction. 2,397,043; Mar. 19.
- Puening, Franz, Bethlehem, Pa. Method and apparatus for preparing coal for coking. 2,408,810; Oct. 8.
- Puening, Franz, Bethlehem, Pa. Apparatus for operating coke ovens with movable walls. 2,413,335; Dec. 31.
- Puerner, George O., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Contactor for tuners. 2,399,060; Apr. 23.
- Puetzer, Bruno, New Rochelle, assignor to Vick Chemical Company, New York, N. Y. Methylene-bis-2 hydroxy-3 naphthoates. 2,397,903; Apr. 2.
- Pugh, Cyril A., assignor to The Plessey Company Limited, Ilford, England. Carburation apparatus for internal-combustion engines and the like. 2,408,879; Oct. 8.

- Pugh, Cyril A., and D. G. Booth, Ilford, assignors to The Plessey Company Limited, Ilford, Essex, England. Fuel supply system for internal-combustion engines or other fuel-consuming motors. 2,401,883; June 11.
- Pugh, Cyril A., Ilford, and A. W. Say, Uxminster, assignors to The Plessey Company Limited, Ilford, England. Hydraulic cutout device. 2,406,899; Sept. 3.
- Pugh, Cyril A., and D. G. Booth, assignors to The Plessey Company Limited, Ilford, Essex, England. Pump having bypass with speed-sensitive and pressure-responsive control. 2,412,289; Dec. 10.
- Pugsley, Donald W., Bridgeport, Conn., assignor to General Electric Company. Sweep circuit. 2,410,745; Nov. 5.
- Pull, Burnard T.: *See*—
Ward, George C., and Pull.
- Pullin, Cyril G., Wimbledon, assignor to the Cierva Autogiro Company Limited, Ilford, Essex, England. Cooling jacket for internal-combustion engine. 2,405,847; Aug. 13.
- Pullman Couch Company, assignee: *See*—
McKeown, George H., and Wissmiller.
- Pullman-Standard Car Manufacturing Company, assignee: *See*—
Dittrich, Francis J.
Lohse, Alfred C.
Lutherman, Lewis A., and Thompson.
- Pulman Safety Equipment Corporation, assignee: *See*—
Shock, Howard L., Jr.
- Puls, Alfred E., Cleveland, Ohio, and E. R. Swenson, assignors to Metropolis Bending Company, Metropolis, Ill. Combined table and chair. 2,400,134; May 14.
- Pumps, Myer, Washington, D. C. Necktie holder. 2,406,400; Aug. 27.
- Punte, William F.: *See*—
Coyle, John, and Punte.
England, Isaac W., and Punte.
- Punte, William F., Baltimore, Md., assignor to Continental Can Company, New York, N. Y. Collar can collar and mounting therefor. 2,403,192; July 2.
- Punte, William F., Passaic, assignor to Continental Can Company, Inc., New York, N. Y. Adhesive tape container with nesting feature. 2,406,900; Sept. 3.
- Punte, William F., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,409,793; Oct. 22.
- Purcell, George H., Dayton, Ohio. Altitude correction computer. 2,394,563; Feb. 12.
- Purcell, Peter E., Portland, Oreg. Plug valve. 2,396,880; Mar. 19.
- Purcell, William H., assignor to William Duxford & Sons Limited, Sunderland, England. Balancing of reciprocating engines. 2,398,961; Apr. 23.
- Purdue Research Foundation, assignee: *See*—
Bray, John L., and Howard.
De Bey, Albert L.
Degering, E. F., and Gross.
Spence, John A., and Degering.
Webb, Richard C.
- Pure Oil Company, The, assignee: *See*—
Alves, Howard A., and MacKusick.
Ayers, George W., and Barton.
Bell, Richmond T., Folkins, and Thacker.
Bond, Donald C., and Russell.
Bond, Donald C., and Savoy.
Folkins, Hillis O., and Thacker.
Frankel, M., and Agruss.
Hall, Garland W., Sens, and Furth.
Henderson, Lawrence M., and Annable.
Ross, William B., and Boldt.
Schindler, Hans.
Schindler, Hans, and Henderson.
Sowers, Wesley H.
Thacker, Carlisle M.
Thacker, Carlisle M., and Bell.
Yule, John S.
- Purington, Ellison S.: *See*—
Hammond, John J., Jr., and Purington.
- Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Frequency discriminator. 2,392,693; Jan. 8.
- Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Privacy signaling system. 2,400,950; May 28.
- Purington, Ellison S., Gloucester, Mass., assignor to United States of America, as represented by the Secretary of the Navy. Torpedo control by multiple channel selector. 2,413,066; Dec. 24.
- Purington, Ellison S., Gloucester, Mass., assignor to United States of America, as represented by the Secretary of the Navy. Torpedo control by timing selector. 2,413,067; Dec. 24.
- Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Reinforced plastic button. 2,402,079; June 11.
- Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Method of and apparatus for deep hole molding. 2,403,948; July 16.
- Purinton, William A., Bath, Maine. Instep guard and shoe embodying the same. 2,393,810; Jan. 29.
- Purma Cameras Limited, assignee: *See*—
Terrett, Joseph, and Wood.
- Purolator Products, Inc., assignee: *See*—
Pisk, Albert S., and Kovacs.
- Purpura, August C., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Temperature responsive controller. 2,392,407; Jan. 8.
- Purpura, August C., Chicago, Ill. Quick drying flatiron. 2,402,575; June 25.
- Purpura, August C., Chicago, Ill. Timer for toasters. 2,402,576; June 25.
- Pursell, John D., St. Louis, Mo. Lithographic plate and making same. 2,407,290; Sep. 10.
- Purves Corporation, The, assignee: *See*—
Beach, Lennox F.
- Puryear, Sebren T.: *See*—
Gehring, Kurt C., and Puryear.
- Puterbaugh, Russel V., Dayton, and W. H. Puterbaugh, Jr., Centerville, assignors to The National Cash Register Company, Dayton, Ohio. Testing device. 2,398,156; Apr. 9.
- Puterbaugh, William H., Jr.: *See*—
Puterbaugh, Russel V., and W. H.
- Putnam, Erie F., Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Building block. 2,413,377; Dec. 31.
- Putnam, John P., assignor to The Reece Button Hole Machine Company, Boston, Mass. Time indicator. 2,396,929; Mar. 19.
- Putnam, Ralph M., Drayton, S. C. Dot filling retainer for looms. 2,398,597; Apr. 16.
- Puzio, Frank M., Jr., Bronx, N. Y. Trouser hanger. 2,393,263; Jan. 22.
- Pye, Harold C., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Microphone handle. 2,410,899; Nov. 12.
- Pye Limited, assignee: *See*—
Edwards, Baden J.
- Pyle, Herbert L., Springfield, Ohio. Combination heating and rinsing device. 2,394,330; Feb. 5.
- Pyle, Leslie R., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive front end. 2,392,187; Jan. 1.
- Pyle-National Company, The, assignee: *See*—
McDowell, Thomas E.
- Pym, Arthur F.: *See*—
Cantley, Joseph C., and Pym.
- Pym, Arthur F., deceased. Beach Bluff; G. H. Heys, Swampscott, Mass., administrator. Calculating or indicating device. 2,392,877; Jan. 15.
- Pyne, Clifford D.: *See*—
Pyne, Kenneth E., and C. D. and Leadbeater.
- Pyne, Kenneth E., and C. D., West Wickam, and D. L. Leadbeater, Prittlewell, England. Hydraulic pump. 2,407,343; Sept. 10.
- Pyne, Roger S., Longmeadow, assignor to Van Norman Company, Springfield, Mass. Diaphragm chuck. 2,413,068; Dec. 24.
- Pyrene Company Limited, assignee: *See*—
Zieschang, Richard.
- Pyridium Corporation, assignee: *See*—
Tisza, Edmond T., and Duesel.
- Pyro Plastics Company, The, assignee: *See*—
Lester, William M., and Reisher.
- Quack, Wilbert: *See*—
Tuck, Davis H., Franck, and Quack.
- Quackenbush, Edward W., Chicago, Ill. Package. 2,392,062; Jan. 1.
- Quaker Chemical Products Corp., assignee: *See*—
Longley, Kermit D.
Todd, Floyd.
- Quaker Oats Company, The, assignee: *See*—
Dunlop, Andrew P.
Salazar, Jose R.
- Quaker Oats Company, The, assignee, et al.: *See*—
Graham, William R., Kohler, and Hoover.
- Quam, Sidney N.: *See*—
Horneman, Herman C., Hussong, Quam, and Hammer.
- Quan, Alfred S., Artesia, Calif. Writing outfit. 2,395,760; Feb. 26.
- Quarles, Richard W., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Stabilized chlorine-containing resins. 2,394,010; Feb. 5.
- Quarstrom, Earl T., New Haven, Mich. Standard molding base. 2,398,893; Apr. 23.
- Quarrie, Eugene A., assignee: *See*—
Foerste, William.
- Quattlebaum, William M., Jr., and C. A. Noffsinger, Charleston, W. Va., assignors to Carbide and Carbon Chemical Corporation. Reduction of color in vinyl resins. 2,394,418; Feb. 5.
- Quattlebaum, William M., Jr., Charleston, and W. J. Toussaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Making olefines. 2,407,291; Sept. 10.
- Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 2,403,848; Aug. 13.
- Quayle, Joshua C.: *See*—
Handley, William C., Quayle, and McLeod.
Walton, George H., Quayle, and Jones.

- Quayle, Joshua C., Helsby, and P. Jones, Kelsall, near Chester, assignors to British Insulated Cables Limited, Prescott, England. Dielectric heating electrode. 2,404,191; July 16.
- Queen City Steel Treating Co., The, assignee: *See*—Salkover, Nicholas M.
- Queoney, Donald H.: *See*—
- Quilworth, Richard M., Lillquist, and Queoney.
- Quick, Augustus B., East Norwich, N. Y. Waterproofing composition. 2,396,342; Mar. 12.
- Quidas, Frederick W., New York, N. Y. Combined photograph and word display apparatus for teaching languages. 2,412,061; Dec. 3.
- Quigg, Murray T., trustee, assignee: *See*—Hopkins, Nevil M.
- Quigg, Murray T., assignee, trustee, et al.: *See*—Hopkins, Nevil M.
- Quigley, Herbert, and H. Ter Meer, assignors to National Brass Company, Grand Rapids, Mich. Cupboard catch. 2,409,794; Oct. 22.
- Quilter, John R. C., Woking, England. Parachute. 2,392,946; Jan. 15.
- Quilter, John R. C., and J. Gregory, Woking, England. Parachute pack. 2,396,126; Mar. 5.
- Quilter, John R. C., and J. Gregory, Woking, England. Parachute harness. 2,405,671; Aug. 13.
- Quimby, Shirley L.: *See*—Hayes, Harvey C., and Quimby.
- Quimper, Anthony A., Westfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locking means for power operated devices. 2,398,037; Apr. 9.
- Quincy Stove Manufacturing Company, The, assignee: *See*—Castle, Boyd F.
- Quincy, William S., Jr.: *See*—
- Fox, Joseph E., Nelson, and Quincy.
- Quinn, Bert A., St. Paul Park, Minn. Window fastener. 2,402,772; June 25.
- Quinn, Clara E., assignor to Broquinda, Inc. of Florida, St. Petersburg, Fla. Refrigerator. 2,400,135; May 14.
- Quinn, Edward, Saugus, and N. A. Monfils, Haverhill, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,397,369; Mar. 26.
- Quinn, Edward, Saugus, and I. I. Hersey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Method and machine for making prewelt shoes. 2,407,903; Sept. 17.
- Quinn, John, and R. A. Horst, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Electrode stem clamp. 2,397,806; Apr. 2.
- Quinn, John W.: *See*—Wilson, Delbert L., and Quinn.
- Quinn, Joseph L., Matawan, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized cellulose acetate composition. 2,401,272; May 28.
- Quinn, Joseph W., Santa Monica, Calif. Water automobile. 2,399,141; Apr. 23.
- Quinn, Leonard J.: *See*—Davenport, James E., and Quinn.
- Quinn, Leonard J., assignee: *See*—Davenport, James E.
- Quinn, Peter P., Racine, Wis. Machine for cutting food products. 2,406,107; Aug. 20.
- Quinn, Robert G., Bound Brook, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of reinforced asbestos paper. 2,401,314; June 4.
- Quinn, William M., Chicopee, Mass. Composition shoe sole. 2,395,294; Feb. 19.
- Quinnell, LaVern E., assignor to The Magnavox Company, Fort Wayne, Ind. Electric impulse generator. 2,400,262; May 14.
- Quirk, Earl W.: *See*—Hoffman, Otis E., Quirk, and Spenger.
- Quiroz, Francisco A., Newark, N. J. Rotary pump construction. 2,401,189; May 28.
- Quitter, John P.: *See*—Dinnick, George M., and Quitter.
- Qvarfordt, Nils G., Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Steam generator. 2,395,580; Feb. 26.
- R-B-M Manufacturing Company, assignee: *See*—Webb, George L.
- Rabarts, Frederick W.: *See*—Clifton, John C., and Rabarts.
- Rabenda, Edward J.: *See*—Mills, Albert W., Furman, and Rabenda.
- Rabenda, Edward J., Poughkeepsie, and F. J. Furman, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record reproducing machine. 2,398,038; Apr. 9.
- Rabenda, Edward J., Binghamton, and H. J. Kistner, Union, assignors to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,403,550; July 9.
- Rabenda, Edward J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Recording apparatus. 2,412,422; Dec. 10.
- Rabens, Fred T., and F. T. Peterson, St. Paul, Minn. Bottled drink dispenser. 2,393,059; Jan. 15.
- Rabazzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug. 2,409,795; Oct. 22.
- Rabinawitz, Mendel: *See*—Drieschman, Donald F., Sheperd, Rabinawitz, Newhall, and Sorg.
- Rabinow, David, Maplewood Township, Essex County, assignor to Conmar Products Corporation, Newark, N. J. Automatic lock slider. 2,397,693; Apr. 2.
- Rabinowitz, Harold M., Brooklyn, N. Y. Antipressor and making. 2,392,878; Jan. 15.
- Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Color correction of color pictures. 2,413,468; Dec. 31.
- Radbill, Raymond B., Moylan, Pa. Mobile steam generator. 2,410,900; Nov. 12.
- Radcliffe, Thomas J., Belleville, N. J., assignor to General Electric Company. Electrode manufacture. 2,392,879; Jan. 15.
- Rader, Louis T., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 2,394,103; Feb. 5.
- Radford, Lawrence, Washington, D. C. Instrument for measuring range and altitude. 2,400,059; May 7.
- Radford, Lawrence, Washington, D. C. Instrument for measuring range. 2,400,060; May 7.
- Radio Corporation of America, assignee: *See*—Albin, Frederick G.
- Anderson, Earl I.
- Anderson, Leslie J.
- Artzt, Maurice.
- Atwood, John B.
- Badmaieff, Alexis.
- Bahls, Walter E.
- Barton, Loy E., and Dyson.
- Beard, Joseph G., and Harralson.
- Bedford, Alda V., and Vendt.
- Bedford, Alda V., and Wipff.
- Beers, George L.
- Beshgetoor, Ray V.
- Beverage, Harold H., and Mathes.
- Bierwirth, Rudolph A., and Hoyer.
- Billings, Horace P.
- Bless, Warren H.
- Blitz, Daniel.
- Boerner, Thomas J., and Sanborn.
- Bokeno, John.
- Bow, Orville E.
- Brand, Jean J.
- Brian, Joseph M.
- Briggs, Loy A., and Spencer.
- Brown, Charles H.
- Brown, George H.
- Brown, George H., and Peterson.
- Bumstead, Ralph W.
- Burrill, Charles M.
- Carlson, Wendell L.
- Carlson, Benjamin R., and Magnusson.
- Carlson, Wendell L., and Harvey.
- Carlson, Wendell L., London, and Harvey.
- Carter, Philip S.
- Charrier, George M.
- Clark, Joseph C.
- Clark, Robert W.
- Clark, Robert W., and Somers.
- Clough, Newsome H.
- Compton, Robin D.
- Conklin, James W.
- Crawley, James B.
- Crosby, David R., and Kimmich.
- Crosby, Murray G.
- Curtis, Lucien B.
- Deal, Harmon B.
- Deal, Harmon B., Alexander, and Rankin.
- De Ryder, Herbert.
- Dewhurst, Wallace W.
- Diffenderfer, John B.
- Dimmick, Glenn L.
- Douden, William L.
- Dow, Orville E.
- Eaton, Thomas T.
- Eaton, Thomas T., and Luck.
- Evans, John.
- Engstrom, Ralph W.
- Epstein, David W.
- Fagan, Christopher P.
- Fell, William F.
- Ferniser, George L.
- Fertis, Warren R.
- Finch, James L.
- Fitch, William A.
- Flory, Leslie E.
- Flory, Leslie E., Massa, and Morton.
- Ford, John R.
- Fried, Joseph A.
- Fulton, Oliver H., Jr.
- George, Ralph W.
- George, Roscoe H.
- Ghosh, Saraju P.
- Ghiespie, Henderson C.
- Gluyas, Thomas M., Jr.
- Gluyas, Thomas M., Jr., and Wolf.
- Goddard, De Witt R.

Radio Corporation of America, assignee: *See*—Continued

Goldsmith, Alfred N.
 Goldstine, Hallan E.
 Gottier, Thomas L.
 Graham, Maxim L.
 Green, Ernest.
 Green, Norval H., and Rupp.
 Grosdoff, Igor E.
 Grundmann, Gustave L.
 Gubin, Samuel.
 Haefl, Andrew V.
 Halborg, Henry E., Gillespie, and Clark.
 Hammond, John H., Jr.
 Hammond, John H., Jr., and Purington.
 Hansell, Clarence W.
 Hansell, Clarence W., and Dow.
 Hanson, Oscar B., and Shelby.
 Harvey, Robert L.
 Haynes, Robert L.
 Henderson, Joseph E., and Janes.
 Herold, Edward W.
 Hershberger, William D.
 Hester, Frank A.
 Hillier, James.
 Hillier, James, and Baker.
 Hirmann, Julius.
 Hollingsworth, R. Lee.
 Holmes, Ralph S., and Smith.
 Holst, Paul F. G., and Kirkwood.
 Holtz, Robert F.
 Hoyler, Cyril N.
 Hultquist, J. Albert.
 Janes, Robert B.
 Janes, Robert B., and Glover.
 Kahn, Alfred.
 Katzin, Martin.
 Keizer, Eugene O.
 Kell, Ray D.
 Kellogg, Edward W.
 Kilgore, George R.
 Kilgore, George R., Ferris, and Shulman.
 Koch, Winfield R.
 Korman, Nathaniel I.
 Kozanowski, Henry N.
 Lakatos, Louis L.
 Langmuir, David B., and Donal.
 La Rue, William D.
 Law, Harold B.
 Lawrence, Howard C., Jr.
 Leck, George W.
 Leigh, John S., and Murdoch.
 Le Page, Wilbur R.
 Lesnick, Robert.
 Lesnick, Robert N.
 Leverenz, Humboldt W.
 Lindenblad, Nils E.
 Linder, Ernest G.
 Luck, David G. C.
 Lynn, Roland A.
 Malter, Louis.
 Massa, Frank.
 Masters, Robert W.
 Mathes, Richard E.
 Matson, Leslie E., Jr.
 Mendelson, Hans.
 Meneley, Carl A.
 Mercer, William R., and Cole.
 Mesner, Max H.
 Miller, William A.
 Miller, William A., and Shenk.
 Moore, Harold A.
 Morgan, Adolph R.
 Morlock, William J., and Willman.
 Morrison, Howard L.
 Morton, George A.
 Morton, George A., and Flory.
 Nelson, Herbert.
 Nicoll, Frederick H.
 North, Dwight O.
 Norton, Lowell E.
 Olson, Harry F., and Hester.
 Owens, James H.
 Rajchman, Jan A.
 Perkins, Theodore B.
 Peterson, Donald W.
 Peterson, Harold O.
 Peterson, Robert A.
 Poch, Waldemar J.
 Polydoroff, Wladimir J.
 Pratt, George W.
 Price, Thomas H.
 Purington, Ellison S.
 Rajchman, Jan A., and Goldberg.
 Ramberg, Edward G.
 Rankin, John A.
 Read, Sidney, Jr.
 Reid, John D.
 Reinhold, Leonard F., and Spencer.
 Reiskind, Hillel L., and Badmaieff.
 Rettenmeyer, Francis X.
 Reynolds, James H.
 Richmond, Martin R.
 Roberts, Wesley M.

Radio Corporation of America, assignee: *See*—Continued

Roberts, Walter van B.
 Rose, Albert.
 Rose, George M., Jr.
 Roys, Henry E.
 Runge, Frank E.
 Sachtleben, Lawrence T.
 Sachtleben, Lawrence T., and Douden.
 Sadowsky, Meier.
 Salzberg, Bernard.
 Sander, Morris.
 Sanders, Royden C., Jr.
 Sanders, Royden C., Jr., and Mercer.
 Sanders, Royden C., Jr., Mercer, and Blitz.
 Sands, William F.
 Schade, Otto H.
 Schick, John E.
 Schlesinger, Kurt.
 Schock, Robert E.
 Schroeder, Alfred C.
 Seeley, Stuart W.
 Sharp, Thomas C.
 Sheffield, Berthold.
 Shenk, Eugene R., and Smith.
 Shore, Henry.
 Shulman, Carl I., and Kilgore.
 Simpson, William E.
 Sinnett, Chester M.
 Sinnett, Chester M., and Belar.
 Slyfield, Charles O.
 Smith, Arthur Z.
 Smith, J. Ernest.
 Smith, J. Ernest, and Shenk.
 Smith, James E.
 Smith, John P.
 Smith, Lester C.
 Smith, Lloyd P.
 Smith, Perry C.
 Snepvangers, Rene.
 Snyder, Richard L., Jr.
 Somers, Frank J.
 Spencer, James A.
 Spencer, James A., and Reinhold.
 Sziklai, George C.
 Thomas, Charles H.
 Thompson, Harry C.
 Tolson, William A.
 Tolson, William A., and Holmes.
 Tolson, William A., and Meneley.
 Tolson, William A., and Poch.
 Trevor, Bertram.
 Trumbull, Walter M., and Kinyon.
 Tunick, Harry.
 Turner, Alfred H.
 Tuska, Clarence D.
 Usselman, George, and Hansell.
 Usselman, George L.
 Vance, Arthur W.
 Van Ryn, Bernard.
 Vilkomerson, Benjamin S.
 Wagner, Herbert M.
 Wald, Sidney.
 Walsh, Allen A., and Resides.
 Weagant, Roy A.
 Weagle, Lawrence T.
 Wendt, Karl R.
 Wendt, Karl R., and Bedford.
 Wenger, Wiley D.
 Whitaker, James N.
 Widell, Emil Gideon.
 Wilson, William S.
 Wipff, Frank P.
 Wolf, Lester J.
 Wolff, Irving.
 Wolff, Irving, and Hershberger.
 Wolff, Irving, and Holmes.
 Wolfner, William F., II.
 Woll, Harry J.
 Woodward, Oakley M.
 Young, Arthur J.
 Young, Charles J.
 Young, Lloyd L.
 Zworykin, V. K., and Hillier.
 Zworykin, Vladimir K., and Vance.

Radio Electronics Limited, assignee: *See*—
 Van den Bosch, Francois J. G.

Radio Industries Corporation, assignee: *See*—
 MacAdam, Mark L.

Radio Patents Corporation, assignee: *See*—
 Goldschmidt, Rudolf.
 Guanella, Gustav.
 Rath, Karl.

Radio Specialty Manufacturing Company, assignee: *See*—
 Sells, Gale, Johnson, and Black.

Radio Television Institute, Inc., assignee: *See*—
 Paradise, Lionel P., and Auerbacher.

Rado, John A., Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill.
 High-frequency pulse generator. 2,409,897; Oct. 22.

Rado, John A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill.
 Clipping system. 2,411,695; Nov. 26.

- Radonich, Marko, Montreal, Quebec, Canada. Cement applying process. 2,392,408; Jan. 8.
- Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Carbon pile regulator. 2,400,136; May 14.
- Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. System of generator regulation. 2,401,795; June 11.
- Radzinsky, Harry, assignee, et al.: *See—*
- Crockford, Joseph B.
- Raettig, Adele S., Hoboken, N. J. Magnetically operated switch. 2,410,746; Nov. 5.
- Ragatz, Eugene C., Whitefish Bay, assignor to Allen-Bradley Company, Milwaukee, Wis. Rheostat. 2,402,773; June 25.
- Raiche, Paul A., North Providence, R. I. Earring construction. 2,407,098; Sept. 3.
- Railway and Industrial Engineering Company, assignee: *See—*
- Radcl, Fred L., and Paulin.
- Rainard, Leo W., Cohituate, Mass., assignor, by mesne assignments, to National Dairy Products Corporation, New York, N. Y. Curing acrylic polymers and resulting product. 2,410,103; Oct. 29.
- Rainey, James L.: *See—*
- Auten, Robert W. and Rainey.
- Rainey, Paul M., Martinsville, N. J., assignor to Federal Telephone & Radio Corporation. Light directing device. 2,410,104; Oct. 29.
- Raison, Gordon H.: *See—*
- Brannigan, Thomas P., Raison, and Yoder.
- Raisz, Erwin, Cambridge, Mass., assignor to Global Press, Inc., New York, N. Y. Knockdown globular shell. 2,406,164; Aug. 20.
- Raitch, Alexander J., Port Washington, assignor, by mesne assignments, to Automatic Products Company, Milwaukee, Wis. Garden tractor. 2,401,796; June 11.
- Raitch, Alexander J., Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill. Chair seat support. 2,412,750; Dec. 17.
- Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Computing system. 2,404,250; July 16.
- Rajchman, Jan A., Philadelphia, Pa., assignor to Radio Corporation of America. Frequency multiplier. 2,405,519; Aug. 6.
- Rajchman, Jan A., and E. A. Goldberg, Princeton, N. J., assignors to Radio Corporation of America. Automatic gain control circuit. 2,412,423; Dec. 10.
- Raleigh Cycle Company Limited, The, assignee: *See—*
- Raven, William H., and Heron.
- Ralston, Anderson W., and L. T. Crews, Chicago, and E. W. Colt, Evanston, assignors to Armour and Company, Chicago, Ill. Purifying nitriles. 2,401,772; June 11.
- Ralston, Anderson W., Chicago, and O. Turinsky, Palatine, assignors to Armour and Company, Chicago, Ill. Treatment of polyene compounds. 2,411,111; Nov. 12.
- Ralston, Anderson W., Chicago, and O. Turinsky, Palatine, assignors to Armour and Company, Chicago, Ill. Treatment of Polyene compounds. 2,411,112; Nov. 12.
- Ralston, Anderson W., Chicago, and O. Turinsky, Palatine, assignors to Armour and Company, Chicago, Ill. Treatment of polyene compounds. 2,411,113; Nov. 12.
- Ralston, Eldon K., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Valve rotating device. 2,397,502; Apr. 2.
- Ralston, James V., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Control mechanism. 2,408,446; Oct. 1.
- Ramage, Alexander S., assignor to A. A. F. Maxwell, Detroit, Mich., as trustee. Producing ethylene glycol and ethyl acetate. 2,398,157; Apr. 9.
- Ramage, Alexander S., assignor to A. A. F. Maxwell, Detroit, Mich., as trustee. Combination hydrocarbon dehydrogenation and hydrogenation process. 2,409,587; Oct. 15.
- Ramage, Monroe W., Jr., assignor to Lockport Cotton Baiting Co., Lockport, N. Y. Feeding mechanism for cotton baiting and the like. 2,411,637; Nov. 26.
- Ramberg, Edward G., Feasterville, Pa., assignor to Radio Corporation of America. Correction for spherical and chromatic aberrations in electron lenses. 2,401,315; June 4.
- Rambold, Adolf, Dresden, Germany; vested in the Alien Property Custodian. Bag with insoluble automatic fold closing. 2,409,314; Oct. 15.
- Ramey, Blaine B., guardian: *See—*
- Riggles, William M., Jr.
- Ramey, Ossie K., Columbus, Ohio. Rope-jumping toy. 2,411,756; Nov. 26.
- Ramo, Simon, Schenectady, N. Y., assignor to General Electric Company. Amplifying high frequency signals. 2,406,635; Aug. 27.
- Ramo, Simon, Niskayuna, N. Y., assignor to General Electric Company. Radio-frequency power measurement. 2,411,553; Nov. 26.
- Rampack, Carl: *See—*
- Clemmer, Julius B., and Rampack.
- Ramsay, Erskine, Birmingham, Ala. Swivel door counter. 2,393,811; Jan. 29.
- Ramsay, Erskine, Birmingham, Ala. Mining machine. 2,407,448; Sept. 10.
- Ramsay, Erskine, Birmingham, Ala. Mine car coupler. 2,407,449; Sept. 10.
- Ramsay, Henry T., Hatch End, assignor to The General Electric Company Limited, London, England. Gas-filled electric rectifier. 2,409,955; Oct. 22.
- Ramsay, H. L., Los Angeles, Calif. Clock dial. 2,395,643; Feb. 26.
- Ramsdell, Thomas S., Housatonic, Mass. Machine for forming heavy silver lap. 2,409,898; Oct. 22.
- Ramsey Accessories Manufacturing Corporation, assignee: *See—*
- Marlen, Charles A., and M. W.
- Ramsey, James G., Bucklin, Kans. Fluid governor. 2,392,262; Jan. 1.
- Ramsey, Jesse A., Wenonah, N. J. Tilttable shelves drill holder case. 2,408,227; Sept. 24.
- Ramsey, Jesse A., Wenonah, N. J. Piston ring. 2,411,757; Nov. 26.
- Ramsey, Jesse J., Cairo, Ill. Vial opening device. 2,410,931; Nov. 12.
- Ramsey, Joseph D., Watertown, Mass. Ladder support. 2,407,575; Sept. 10.
- Ramsey, Robert P., Hamilton, Ohio. Casing structure for internal-combustion free piston engine. 2,406,037; Aug. 20.
- Ramsey, Willis L., Parma, Mo. Bookrack or casing. 2,407,797; Sept. 17.
- Ramseyer, Charles F., Old Greenwich, Conn., assignor to H. A. Brassett & Company, New York, N. Y. Superheating gases. 2,399,450; Apr. 30.
- Ramshorn, Richard: *See—*
- Neuhirn, Heinrich, Bukowski, Ramshorn, Spiegel, and Tonn.
- Ramstach, Erich F., and C. R. Clafendetcher, Milwaukee, Wis. Garment hanger. 2,409,956; Oct. 22.
- Ramstedt, Emil L., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Adjustable die. 2,411,291; Nov. 19.
- Ranco Incorporated, assignee: *See—*
- Ott, Percy W.
- Rand, Le Roy H., assignor to Rand Rubber Company, Brooklyn, N. Y. Baby pants. 2,397,751; Apr. 2.
- Rand Rubber Company, assignee: *See—*
- Rand, Le Roy H.
- Randall, A. T., assignee: *See—*
- Randall, Willard A.
- Randall, Althes: *See—*
- Simons, Charles J., and Randall.
- Randall, Arthur O., Sea Girt, N. J., assignor to Vee-Van Inc. Fuel system for internal-combustion engines. 2,402,080; June 11.
- Randall, Arthur W., Saugus, Mass. Machine for felling trees. 2,404,955; July 29.
- Randall, Boardman M., Portsmouth, assignor to TekWood, Inc., Lakeport, N. H. Underlay for floor coverings. 2,405,235; Aug. 6.
- Randall, Boardman M., Portsmouth, assignor to Tekwood, Inc., Lakeport, N. H. Impregnated composite board. 2,405,234; Dec. 10.
- Randall, Clark C., Oak Park, Ill. Crankcase scavenger. 2,406,103; Aug. 20.
- Randall, Earl A., Kansas City, Mo. Electrode holder. 2,394,344; Feb. 5.
- Randall, Eddie P., Los Angeles, Calif. Comb. 2,403,551; July 9.
- Randall, Francis E.: *See—*
- Koepnick, Robert C., Patt, and Randall.
- Randall, Willard A., assignor of one-half to A. T. Randall, Seattle, Wash. Watercraft. 2,400,782; May 21.
- Randol, Glenn T., St. Louis, Mo. Control means for change-speed transmissions. Re. 22,791; Sept. 10.
- Randolph, Charles J., Jr., Louisville, Ky., and N. B. Haskell, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Polymerization of hydrocarbons. 2,392,000; Jan. 1.
- Randolph, Fred T.: *See—*
- Burnett, Clinton B., Donahue, and Randolph.
- Randolph Laboratories, Inc., assignee: *See—*
- Reinal, Stewart.
- Randrup, Benjamin F., Brisbane, Calif. Adjustable clamp. 2,398,962; Apr. 23.
- Randrup, Benjamin F., Brisbane, Calif. Foldable boat. 2,408,579; Oct. 1.
- Raney, Charles, Brownfield, Tex. Grain handling machine. 2,408,952; Oct. 8.
- Raney, Russell R., La Grange, Ill., assignor to International Harvester Company. Tying mechanism. 2,403,396; July 2.
- Raney, Russell R., La Grange, Ill., assignor to International Harvester Company. Tying apparatus. 2,413,378; Dec. 31.
- Raney, William E., Shaker Heights, Ohio. Drill grinder. 2,411,591; Nov. 26.
- Ranges, John E., East Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal strip for inductive devices. 2,403,437; July 9.
- Rankin, Dan R.: *See—*
- Hait, James M., Devirian, and Rankin.
- Rankin, Dan R., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Lubrication system. 2,403,397; July 2.

- Rankin, Dan R., and G. A. Reynolds, Jr., Los Angeles, assignors to Food Machinery Corporation, San Jose, Calif. Amphibian steering mechanism. 2,404,528; July 23.
- Rankin, Donald L., Jackson Heights, assignor to Bendix Aviation Corporation, Bendix, N. J. Adjusting screw. 2,394,104; Feb. 5.
- Rankin, John A.: *See—*
Deal, Harmon B., Alexander, and Rankin.
- Rankin, John A., Port Washington, N. Y., assignor to Radio Corporation of America. Regenerative indicating system. 2,403,755; July 9.
- Rankin, John A., Park Ridge, assignor to Belmont Radio Corporation, Chicago, Ill. Phase-responsive system. 2,410,523; Nov. 5.
- Rankin, John G., Tulare, Calif. Device for atomizing certain chemicals and oils for the production of dry oil steam for signaling. 2,404,812; July 30.
- Ranney, Percival K., Lakewood, Ohio. Gaseous tube. 2,395,145; Feb. 19.
- Ranney, Percival K., Lakewood, Ohio. Electrical system and apparatus. 2,402,207; June 18.
- Ranney, Percival K., Lakewood, Ohio. Electrical system and apparatus. 2,406,104; Aug. 20.
- Ransom, Olive S., New York, and M. Zucker, New Rochelle, assignors to Interchemical Corporation, New York, N. Y. Solvent extraction of drying oils. 2,403,458; July 9.
- Ransom, Richard B., Knoxville, Tenn., assignor to Universal Products Company, Incorporated, Dearborn, Mich. Universal joint. 2,396,750; Mar. 19.
- Ransom, Richard B., Knoxville, Tenn., assignor to Universal Products Company Incorporated, Dearborn, Mich. Constant velocity joint. 2,399,293; Apr. 30.
- Raper, John R., West Los Angeles, Calif. Cutting tool. 2,392,001; Jan. 7.
- Rapley, Harold H., Bedford, England. Accurately spacing articles on conveyers. 2,397,044; Mar. 19.
- Rapp, George M.: *See—*
Davison, Robert L., and Rapp.
- Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle. 2,399,652; May 7.
- Rappl, Anton, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle. 2,401,961; June 11.
- Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Gauge. 2,411,292; Nov. 19.
- Rasley, Donald R., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Voltage rectifier. 2,407,724; Sept. 27.
- Rasmuson, Robert E.: *See—*
Westlake, Frank K., and Rasmuson.
- Rasmussen, Carl J., Seattle 7, Wash. Sewing fitting. 2,397,290; Mar. 19.
- Rasmussen, James W., Los Angeles, Calif. Sandblasting apparatus and the like. 2,399,385; Apr. 30.
- Rasmussen, Mary, Sioux City, Iowa. Hair protecting bathing cap. 2,398,246; Apr. 9.
- Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Brake. 2,396,387; Mar. 12.
- Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Percussion fuse. 2,398,718; Apr. 16.
- Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making porous metal articles. 2,398,719; Apr. 16.
- Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Heat exchanger. 2,401,797; June 11.
- Rasmussen, Olaf and R. C. Rike, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Snap action mechanism. 2,400,680; Nov. 5.
- Rast, Orval, Portland, Ore. Detachable cover for containers. 2,406,636; Aug. 27.
- Raspet, August, Hyattsville, Md. Helical spring. 2,402,666; June 25.
- Rast, Frederick Q., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Clock. 2,403,552; July 9.
- Rastetter, Harry O.: *See—*
Riemenschneider, Edmund W., and Rastetter.
- Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,395,065; Feb. 19.
- Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Making motor compressor units. 2,405,904; Aug. 13.
- Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Ordinance. 2,411,979; Dec. 3.
- Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Refrigerant compressor valve arrangement. 2,413,653; Dec. 31.
- Ratchford, William P., Willow Grove, and C. H. Fisher, Abington, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Improved process for the manufacture of methyl acrylate by the thermal decomposition of methyl alpha-acetoxypropionate. 2,408,177; Sept. 24.
- Rath, Karl, New York, N. Y. Photoelectric control device for camera diaphragms. 2,412,424; Dec. 10.
- Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Marking pen. 2,396,058; Mar. 5.
- Rathbun, John P.: *See—*
Bowman, Robert A., and Rathbun.
- Ratigan, James P., Los Angeles, Calif. Apparatus for cleaning pipes and tubing. 2,402,845; June 18.
- Ratner, Jacob, Brooklyn, N. Y. Shoe dressings. 2,399,693; May 7.
- Ratner, Jacob, Brooklyn, N. Y. Cleaning and polishing compositions. 2,411,938; Dec. 3.
- Rau, Harry: *See—*
Goebel, George, and Rau.
- Rau, Harry A., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for sealing containers. 2,408,447; Oct. 1.
- Rauch, John D., Fort Wayne, Ind. Clutch. 2,392,188; Jan. 1.
- Rauch, John D., assignor to The American Steel Dredge Company, Inc., Fort Wayne, Ind. Gasoline barge. 2,397,155; Mar. 26.
- Rauch, William, assignor to The Sheffield Corporation, Dayton, Ohio. Machine tool. 2,397,503; Apr. 2.
- Rauch, Konrad, assignor to The Sheffield Corporation, Dayton, Ohio. Machine tool. 2,397,504; Apr. 2.
- Rauch, Gerald, Chicago, Ill. Film developer tank. 2,393,654; Jan. 29.
- Rauland Corporation, The, assignee: *See—*
Szecho, Constantin S.
- Raulerson, Hardy H., Long Beach, Calif. Boat propulsion apparatus. 2,394,011; Feb. 5.
- Rauer, Lawrence A., and M. J. Hunter, assignors to The Dow Chemical Company, Midland, Mich. Cellulose ether composition. 2,399,602; Apr. 30.
- Rausch, Harry L.: *See—*
Boeck, Max F., and Rausch.
- Raven, William, Stratford-on-Avon, and W. H. Heron, assignors to The Raleigh Cycle Company Limited, Nottingham, England. Manufacture of cartridge cases and the like. 2,397,370; Mar. 26.
- Rawald, August E., Midland Park, N. J., assignor to Wright Aeronautical Corporation. Scriber. 2,394,404; Feb. 5.
- Rawling Manufacturing Company, assignee: *See—*
Sopp, Richard A.
- Rawlins, Albert L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Soap-like preparations. 2,406,802; Sept. 3.
- Rawlins, Albert W., Flushing, and W. J. Kupec, Forest Hills, N. Y., said Kupec assignor to said Rawlins. Turnbuckle. 2,403,828; July 9.
- Rawlins, Herbert L., Pittsburgh, and J. J. Mikos, Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,403,121; Jan. 7.
- Rawlins, Herbert L., Wilkensburg, and J. M. Wallace, Bradnock, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,405,606; Aug. 13.
- Rawlplug Company, Inc., The, assignee: *See—*
Gelpcke, Alfred W.
- Rawson, Emanuel: *See—*
Griffin, Joseph F., and Rawson.
- Rawson, Harry H., Spokane, Wash. Foundry sand sifting and back-filling apparatus. 2,412,443; Dec. 10.
- Rawson, Maxwell C., Des Plaines, Ill. Disintegrating head. 2,403,193; July 2.
- Ray, Arthur J., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,398,854; Apr. 23.
- Ray, Don, Beverly Hills, Calif. Transfer mechanism. 2,395,146; Feb. 19.
- Ray, Frederick E.: *See—*
Evans, Louis P., and Ray.
- Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of acetyl cyanide. 2,396,201; Mar. 5.
- Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of cyanoalkenes. 2,400,848; Sept. 17.
- Ray, James L., Elm Grove, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Elastic fluid turbine apparatus. 2,402,841; June 25.
- Ray, Joseph E., Denver, Colo. Reed sander. 2,408,953; Oct. 8.
- Ray, Robert O., Amarillo, Tex. Wheel dolly. 2,392,409; Jan. 2.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Control system. 2,398,158; Apr. 9.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Fluid control valve. 2,398,855; Apr. 23.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Electromagnetic operator. 2,399,295; Apr. 30.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Control device. 2,409,387; Oct. 15.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Burner control system. 2,411,230; Nov. 19.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Reset valve and control therefor. 2,403,611; July 9.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Fuel supply system. 2,408,954; Oct. 8.

- Ray, William A., Glendale, Calif., assignor to General Controls Co. Electromagnetic device. 2,410,183; Oct. 29.
- Ray, William R., Los Angeles, Calif., assignor to General Controls Co. Hydraulic operator. 2,399,294; Apr. 30.
- Ray, William R., Los Angeles, Calif., assignor to General Controls Co. Solenoid operator. 2,405,370; Aug. 6.
- Ray, William R., Glendale, Calif., assignor to General Controls Co. Thermoelectric generator. 2,407,517; Sept. 10.
- Raybestos-Manhattan, Inc., assignee: *See*—Batchelor, Clyde S. Kingman, George F. Novak, Izador J., and Kuzmick. Rayburn, Alden G., Sausalito, Calif. Sealing device. 2,394,012; Feb. 5.
- Rayburn, Vincent A.: *See*—Cox, Thomas K., Gray, and Rayburn.
- Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Container and making it. 2,410,681; Nov. 5.
- Rayburne, Charles H., Portland, Oreg. Toy. 2,402,081; June 11.
- Rayko, Michael, Indiana, Pa. Nursing bottle holder. 2,412,426; Apr. 10.
- Raylite Electric Corp. assignee: *See*—Abramson, Abraham. Petry, John.
- Raymond, Albert L.: *See*—Saunders, Frank J., and Raymond.
- Raymond, John E., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective device. 2,397,203; Mar. 26.
- Raymond, John E., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,410,016; May 28.
- Raymond Laboratories, Inc., assignee: *See*—Reed, Raymond E., Tenenbaum, and Beste.
- Raynor, Harvey F.: *See*—Snowden, Ward E., and Raynor.
- Rayonier Incorporated, assignee: *See*—Schlosser, Paul H., and Gray. Schlosser, Paul H., Bennett, and Gray.
- Ray-O-Vac Company, assignee: *See*—Anthony, Herman R. C. Anthony, Herman R. C., and Friang. Smithback, Howard J.
- Raytheon Manufacturing Company, assignee: *See*—Brown, William C. Dawson, John W. Gerneshausen, Kenneth J. Gorn, Elmer J. Klemperer, Hans. Schmidt, Robert C. Small, Wallace H. Smith, Charles G. Spencer, Percy L. Stiefel, Karl J. Stutsman, Paul W. Wood, Ross.
- Razek, Joseph, et al.: *See*—Melas, William, and Razek.
- Rea, Wilson W., Chatham, and J. E. Wiltrakis, Plainfield, N. J., assignors to Western Electric Company, New York, N. Y. Apparatus for coating material in strand form. 2,397,622; Apr. 2.
- Rea, Wilton T.: *See*—Parker, Balzemand D., Rea, and Singer.
- Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative repeater for multiway balanced loop repeaters. 2,392,339; Jan. 8.
- Rea, Wilton T., Manhasset, and J. R. Wilkerson, Bayside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Start-stop receiving selector mechanism. 2,400,574; May 21.
- Read, Chester L.: *See*—Lewis, Elton R., and Read.
- Read, Davis, Jr., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of aviation gasoline. 2,394,716; Feb. 12.
- Read, Davis, Jr., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion process. 2,408,580; Oct. 1.
- Read, Ernest K., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,412,934; Dec. 17.
- Read, Leland B., South Bend, Ind., assignor to Carter Carburetor Corporation, St. Louis, Mo. Deicing valve. 2,402,208; June 18.
- Read Machinery Co. Inc., assignee: *See*—Brunner, Eugene E.
- Read, Norman J., Greenford, assignor to Goodlass Wall & Lead Industries Limited, Oxford, Surrey, England. Anticorrosive paint. 2,406,307; Aug. 20.
- Read, Robert C., Wilton, Conn., and E. W. Schlieben, Scarsdale, assignors to York Research Corporation, New York, N. Y. Combination aerial and land vehicle. 2,410,234; Oct. 29.
- Read, Robert E., Savannah, Ga., assignor to Union Bag & Paper Corporation, New York, N. Y. Sewed bag closure. 2,403,756; July 9.
- Read, Sidney, Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Interlocked motor system. 2,394,480; Feb. 5.
- Read, Sidney, Jr., Indianapolis, Ind., assignor to Radio Corporation of America. Interlocked motor system. 2,398,930; Mar. 12.
- Read, Thomas A., Scarsdale, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sound detecting system. 2,399,386; Apr. 30.
- Read, Thomas A., H. I. Fustell, and S. W. Kitchen, Philadelphia, Pa. Sonic method for testing metal. 2,403,999; July 16.
- Read, William T., executor: *See*—Hoebner, Harold.
- Reading, George R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparing aluminum chloride catalyst. 2,398,557; Apr. 16.
- Readman, Bernard L., Detroit, Mich., and R. A. Sharple, Rockford, Ill., assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,392,504; Jan. 8.
- Reagan, Fred E., Knoxville, Tenn. Lubrication. 2,413,069; Dec. 24.
- Reagan, Helen C., assignee, et al.: *See*—Brady, Robert H., and Birkner.
- Reagan, Maurice E.: *See*—Derr, Willard A., and Reagan.
- Reagan, Maurice E., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,393,060; Jan. 15.
- Reagan, Maurice E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,393,061; Jan. 15.
- Reagan, Maurice E., and W. A. Derr, Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,401,017; May 23.
- Real Silk Hosiery Mills, Inc., assignee: *See*—Sanderson, August A.
- Realty and Industrial Corporation, assignee: *See*—Anderson, Clare. Terry, Fred M.
- Reaney, Warford A., Delaware, Ohio. Method and apparatus for heat treating calcareous materials. 2,410,235; Oct. 29.
- Reaney, Warford A., Delaware, Ohio. Method and apparatus for heat treating loose bulk materials. 2,410,236; Oct. 29.
- Rearick, Walter S., and G. E. Nightart, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Machine tool. 2,399,759; May 7.
- Reason, Richard E., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Apparatus for measuring or indicating the roughness or undulations of a surface. 2,398,666; Apr. 16.
- Reason, Richard E., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Apparatus for measuring or indicating the roughness or undulations of surfaces. 2,404,143; July 16.
- Reavis, Charles N., assignor of two-thirds to S. B. Coley, Raleigh, N. C. Electric speed control and motor protector. 2,410,998; Nov. 12.
- Rebers, Paul A., Minneapolis, Minn. Artificial hand. 2,408,880; Oct. 8.
- Rebholz, Elmer F., Chicago, Ill., assignor to James F. Barnes, as trustee. Game. 2,408,270; Sept. 24.
- Rechtin, George D., and J. H. Watson, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Metal forming machine. 2,413,518; Dec. 31.
- Reconstruction Finance Corporation, assignee: *See*—De Bell, George W. De Ganahl, Carl. De Ganahl, Carl, Stafford, and Conlee. Holland, William D., Berry, and McClintock. Lyons, Ellis C. McArthur, Warren. Robbins, Leo.
- Records, Chester E., Columbus, Ohio. Constructing well screens. 2,392,263; Jan. 1.
- Records, Elmer H., Tacoma, Wash. Apparatus for treating carbonaceous material. 2,397,423; Mar. 26.
- Records, Elmer H., Tacoma, Wash. Refining of low-grade hydrocarbon oils. 2,412,427; Dec. 10.
- Rector, Robert R., Silver Spring, assignor of one-half to F. G. Davies, Laurel, Md. Eyelash crimper. 2,392,694; Jan. 8.
- Redcay, Aaron K.: *See*—Nicholson, Edward W. S., and Redcay.
- Redcay, Aaron K., Baton Rouge, La., assignor, by mesne assignments, to Standard Catalytic Company. Fischer synthesis. 2,406,851; Sept. 3.
- Redcliffe, Frederick J., New York, N. Y. Crutch. 2,398,247; Apr. 9.
- Reddick, Frank J., Newberry, S. C. Signal switch. 2,394,491; Feb. 5.
- Redfield, Alfred C., and A. C. Vine, Woods Hole, Mass. Sea water foam suppression and apparatus. 2,401,583; June 4.
- Rediffusion Limited, assignee: *See*—Adorjan, Paul, and Gabriel.
- Redington, F. B., et al., assignee: *See*—Mailhot, Clarence J.

- Redmer, Edwin A. F., Chicago, Ill. Air chuck. 2,392,999; Jan. 15.
- Reece Button Hole Machine Company, The, assignee: See—
Putnam, John P.
- Reece Corporation, The, assignee: See—
Avis, Samuel W.
Pikal, Joseph H.
- Reece, Moody M., Los Angeles, Calif. Nut lock. 2,400,166; May 14.
- Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Conveyor slat assembly. 2,395,761; Feb. 26.
- Reed, Claude A., Omaha, Nebr. Making palatable material. 2,409,067; Oct. 8.
- Reed, Cortes F., Anoka, assignor to C. L. Horn, Minneapolis, Minn. Chemical methods and products. 2,407,344; Sept. 10.
- Reed, Daniel E.: See—
Pratt, Verneer E., and Reed.
- Reed, E. P., & Co., assignee: See—
Sussex, Samuel.
- Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Fluid catalyst reactor. 2,413,592; Nov. 26.
- Reed, E. O., Zanesville, and D. H. Washburn, assignors to the American Rolling Mill Company, Middletown, Ohio. Slitting and re-coiling strip metal. 2,399,155; Apr. 23.
- Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Centrifugal clutch. 2,392,947; Jan. 15.
- Reed, Harry W., Cincinnati, Ohio. Electrical plug and socket connection. 2,413,519; Dec. 31.
- Reed, Homer C., Glendale, and B. M. Holt, Berkeley, assignors to Union Oil Company of California, Los Angeles, Calif. Azeotropic distillation of toluene. 2,413,245; Dec. 24.
- Reed, Isaac N., Livingston, Ala., assignor to Wedgeplug Valve Company, New Orleans, La. Valve. 2,392,880; Jan. 15.
- Reed, Leland A.: See—
Mapple, Adolph Z., and Reed.
- Reed, Leland A., assignor to The Stromberg-Carlson Company, Rochester, N. Y. Telephone substation apparatus. 2,409,588; Oct. 15.
- Reed, Raymond E., D. Tenenbaum, and M. D. Beste, St. Paul, Minn., assignors to Raymond Laboratories, Inc., St. Paul, Minn. Waving hair. 2,405,166; Aug. 6.
- Reed, Robert M., assignor to The Girdler Corporation, Louisville, Ky. Thermal dissociation of monoethanolamine salts. 2,399,142; Apr. 23.
- Reed Roller Bit Company, assignee: See—
Stokes, John C.
- Reed, Willie, assignor of one-half to C. C. Jackson, Memphis, Tenn. Self-propelled vehicle. 2,396,881; Mar. 19.
- Reeder, L. D., assignee: See—
Cohn, Harold J.
- Reeder, L. D., Co.: See—
Cohn, Harold J.
- Reeder, William H., III, Olean, N. Y., and G. A. Lescisin, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Production of ketones. 2,395,012; Feb. 19.
- Reek, Ashley J.: See—
Miller, William J., and Reek.
- Reek, Frederick W., Reek, and Kelly.
- Reel, Raymond D., Keyser, W. Va., assignor to Celanese Corporation of America. Apparatus for the treatment of artificial materials. 2,398,856; Apr. 23.
- Reenstierna, Gustaf L., Union City, assignor of one-half to J. A. Morrone, Jersey City, N. J. Cap cleaner. 2,396,388; Mar. 12.
- Rees, Frank X., assignor to General Railway Signal Company, Rochester, N. Y. Code track circuits for railroads. 2,399,760; May 7.
- Rees, John P., Johannesburg, Transvaal, Union of South Africa. Conditioning the atmosphere in subterranean excavations. 2,409,388; Oct. 15.
- Reese, Thomas C., Ardmore, Pa. Tire chain applying device. 2,395,013; Feb. 19.
- Reese, Thomas S., University Heights, assignor to The Roe Company, Cleveland, Ohio. Transfer. 2,397,623; Apr. 2.
- Reeser, Lucille E., assignee: See—
Reeser, Woodrow W.
- Reeser, Woodrow W., assignor of one-half to L. E. Reeser, Elyria, Ohio. Sealing and adjusting depth gauge. 2,400,371; May 14.
- Reeve, Elmer W.: See—
Fay, Frank H., and Reeve.
- Reeves, Cuthbert E., Buffalo, N. Y. Article or luggage carrier. 2,397,433; Mar. 26.
- Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Handling pulverulent materials. 2,392,764; Jan. 8.
- Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Controlling flow of powder. 2,392,765; Jan. 8.
- Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Isomerizing dialkyl benzenes. 2,403,757; July 9.
- Reeves, Frederick H., assignor to Revo Electric Co., Limited, Tivdale, Tipton, England. Fluorescent tubular discharge lamp fitting. 2,393,062; Jan. 15.
- Reeves, Hazard, New York, N. Y. Portable crib. 2,392,948; Jan. 15.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Indicating means for valves. 2,409,796; Oct. 22.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Stove construction. 2,411,464; Nov. 19.
- Reeves, Howard E., Jr., and T. M. Andrews, Weeks, assignors to Bay Chemical Company, Inc., New Orleans, La. Direct production of rubber hydrochloride. 2,393,870; Jan. 29.
- Reeves, Howard E., Jr., and T. M. Andrews, Weeks, assignors to Bay Chemical Company, Inc., New Orleans, La. Vulcanized rubber hydrohalide. 2,393,871; Jan. 29.
- Reeves, James B., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic energy conversion and control system. 2,400,599; May 21.
- Reeves, James B., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Current regulator. 2,409,312; Oct. 15.
- Reeves, James B., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic motor control. 2,413,070; Dec. 24.
- Reeves, John F., Bellport, assignor to Cellu-Service Corporation, New York, N. Y. Making articles from fibrous material. 2,398,326; Apr. 9.
- Reeves, John S., Baltimore, Md. Decorticating machine. 2,404,457; July 23.
- Reeves, John S., Baltimore, Md. Decorticating machine. 2,404,458; July 23.
- Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Friction-tipped belt block. 2,406,253; Aug. 20.
- Reeves Pulley Company, assignee: See—
Falk, Irvin V.
- Reeves, Paul B.
- Reeves, Richard E., and J. E. Giddens, New Orleans, La., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Stabilization of nitrocellulose. 2,404,887; July 30.
- Refined Syrups & Sugars, Inc., assignee: See—
Wadsworth, Daniel V., and Hughes.
- Refining, Unincorporated, assignee: See—
Clayton, Benjamin H.
- Refractory & Insulation Corporation, assignee: See—
Christenson, Frank.
- Regents of the University of Michigan, The, assignee: See—
Blicke, Frederick F.
- Regents of the University of Minnesota, assignee: See—
Givens, Ole.
- Smith, Lee L., and Renfrow.
- Smith, Lee L., and Ungrnade.
- Reggio, Ferdinand C., Norwalk, Conn. Engine regulating means. 2,403,398; July 2.
- Reggio, Ferdinand C., Detroit, Mich. Powerplant. 2,403,399; July 2.
- Rehberg, Chessie E., Philadelphia, Pa., assignor to United States of America as represented by the Secretary of Agriculture, and his successors in office. Azeotropic distillation of methanol from admixture with acrylic esters. 2,408,561; Aug. 27.
- Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Acrylic esters of glycol monoethers. 2,396,434; Mar. 12.
- Rehberg, Chessie E., Glenside and C. H. Fisher, Abington, Pa., assignors to United States of America, as represented by the Secretary of Agriculture. Allyl and methyl esters of lactic and alpha-acetoxypropionic acids. 2,410,551; Nov. 5.
- Rehfeld, George W., Manhattan, Kans. Jetty with stabilizer. 2,407,034; Sept. 3.
- Rehn, Gustav A., assignor to Riley Stoker Corporation, Worcester, Mass. Furnace waste. 2,393,707; Jan. 29.
- Rehnqvist, Nils G., assignor to Aktiebolaget Kanthal, Hallstahammar, Sweden. Machinable alloy for high temperature use. 2,409,797; Oct. 22.
- Reiber, Albert H., deceased, by E. Y. Reiber, Evanston, excutrix, assignor to Teletype Corporation, Chicago, Ill. Mechanical ciphering system. 2,402,082; June 11.
- Reiber, Emily Y.: See—
Reiber, Albert H., and Reiber.
- Reibig, Eric A.: See—
Wiken, Christy A., and Reibig.
- Reibold, Walter F., and R. P. Magnenat, assignors to Waterbury Companies, Incorporated, Waterbury, Conn. All-plastic integral eye molded button. 2,396,930; Mar. 19.
- Reichard, Vern E., Stinnett, Tex. Core mold for walls. 2,394,261; Feb. 5.
- Reichel & Drews, Inc., assignee: See—
Westergaard, Carl C.
- Reichel, Frank H., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Treating plastic tubing. 2,401,774; June 11.

- Reichel, Frank H., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Forming and pretesting casings. 2,416,798; June 11.
- Reichel, Frank H., and A. E. Craver, assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Forming casings for stuffed products. 2,401,773; June 11.
- Reichel, Frank H., and A. O. Russell, assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Apparatus for dialyzing. 2,411,239; Nov. 19.
- Reichel, Wladimir A., Hackensack, assignor to Bendix Aviation Corporation, Teterboro, N. J. Fuel air ratio meter. 2,393,703; Jan. 29.
- Reichelt, Lester O., Cranford, and D. V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Valve. 2,404,529; July 23.
- Reichhold Chemicals, Inc., assignee: *See*—Siegel, Ernst Fritz.
- Reichstein, Tadeus, Basel, Switzerland. Alpha-substituted side-chain ketones of the cyclopentanopolihydrophenanthrene series and making the same. 2,401,775; June 11.
- Reichstein, Tadeus, Basel, Switzerland. Compounds of the cyclopentanopolihydrophenanthrene series and making same. 2,403,683; July 9.
- Reichstein, Tadeus, Basel, Switzerland. Alpha-substituted side-chain ketones of the cyclopentanopolihydrophenanthrene series. 2,404,768; July 23.
- Reichstein, Tadeus, Basel, Switzerland. Compounds of the cyclopentanopolihydrophenanthrene series and making same. 2,409,798; Oct. 22.
- Reid Brothers Company, Inc., assignee: *See*—Woodbury, Stephen E.
- Reid, Charles, Edgeware, England. Manufacture and treatment of animal and vegetable materials. 2,400,951; May 28.
- Reid, Ebenezer E.: *See*—Francis, Alfred W., and Reid.
- Reid, Frederick M., Grosse Pointe, assignor to Fruehauf Trailer Company, Detroit, Mich. Heavy-duty vehicle. 2,398,248; Apr. 8.
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Spring suspension. 2,407,345; Sept. 10.
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Michigan. Tandem axle vehicle. 2,410,747; Nov. 5.
- Reid, John D., Mount Healthy, Ohio, assignor to Radio Corporation of America. Frequency responsive control system. 2,402,083; June 11.
- Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,400,137; May 14.
- Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Evaporator for low-pressure refrigerants. 2,408,480; Oct. 1.
- Reid, Willard, New York, N. Y. Cigarette conditioner. 2,408,481; Oct. 1.
- Reif, Ernest O., and M. Trafton, Jr., La Lima, Honduras, assignors to United Fruit Company, Boston, Mass. Extraction of rubber from plants of the genus *Cryptostegia*. 2,413,654; Dec. 31.
- Reiff, Orland M.: *See*—Otto, Ferdinand P., and Reiff.
- Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,392,766; Jan. 8.
- Reiff, Orland M., and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,393,934; Jan. 29.
- Reiff, Orland M., and J. D. Zech, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Sulphurized phenolic composition. 2,394,564; Feb. 12.
- Reiff, Orland M., and J. D. Zech, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. New York, N. Y. Plastic oxy-aromatic petroleum wax and making the same. 2,401,104; May 28.
- Reiff, Orland M., Woodbury, and D. W. Andrus, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,401,273; May 28.
- Reiff, Orland M., and J. J. Giammaria, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. New York, N. Y. Rubberlike wax substituted aromatic compounds. 2,402,506; June 18.
- Reifsnnyder, James D., and A. F. Miller, Flushing, assignors to Lily-Tulip Cup Corporation, New York, N. Y. Multistack nested article dispensing apparatus. 2,394,262; Feb. 5.
- Reilly, Dermot C., Albany, N. Y. Sear mechanism. 2,399,253; Apr. 30.
- Reilly, Frank E., Chicago, Ill., assignor to Electrographic Corporation, New York, N. Y. Stereotype matrix. 2,401,018; May 28.
- Reilly, Grace M.: *See*—Reilly, Joe and G. M.
- Reilly, Jack E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed control system. 2,399,387; Apr. 30.
- Reilly, Jack E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,399,388; Apr. 30.
- Reilly, Joe and G. M., Elmhurst, Ill. Torque wrench. 2,407,450; Sept. 10.
- Reilly, Tar & Chemical Corporation, assignee: *See*—Cislak, Francis E., and Rieger.
- Cislak, Francis E., and Wheeler.
- Reimenschneider, Edmund W., and H. O. Rastetter, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Radio antenna tower. 2,401,799; June 11.
- Reimers, Alfred E., Harrington Park, N. J. Electrically-heated device and resistance element therefor. 2,403,022; July 2.
- Reimers, Alfred E., assignor to The Dow Chemical Company, Midland, Mich. Welding flux for magnesium alloys. 2,396,604; Mar. 12.
- Reimuller, Christian J., Chicago, assignor to H. T. Munton, Evanston, Ill. Hydraulic power unit. 2,398,558; Apr. 16.
- Reiner, Laszlo: *See*—Buck, Johannes S., and Reiner.
- Reiner, Robert, Inc., assignee: *See*—Lambach, Fritz, Siegel.
- Reinhardt, Fredrick E., Bellflower, assignor to Richfield Oil Corporation, Los Angeles, Calif. Filter leaf. 2,409,705; Oct. 22.
- Reinhardt, Louis W., Brockton, Mass. Last. 2,412,008; Dec. 3.
- Reinhold, Leonhard F.: *See*—Spencer, James A., and Reinhold.
- Reinhold, Leonhard F., Staten Island, N. Y., and J. A. Spencer, Teaneck, N. J., assignors to Radio Corporation of America. Misselection indicator. 2,404,813; July 30.
- Reinhold, Leonhard F., Staten Island, N. Y., and J. A. Spencer, Teaneck, N. J., assignors to Radio Corporation of America. Selector. 2,404,814; July 30.
- Reiniger, Haigh, Sebring, Fla. Wing tip gun position. 2,407,451; Sept. 10.
- Reinschmidt, Edward H., Cedar Rapids, Iowa, assignor to Colma Radio Company. Tube locking device. 2,392,410; Jan. 8.
- Reintjes, George P., Kansas City, Mo. Pipe hanger. 2,394,263; Feb. 5.
- Reis, Eugen, Bruchsal, Baden, Germany; vested in the Allen Prisms Custodian. Coin counting device. 2,396,605; Mar. 12.
- Reisberg, Benjamin and D. Schwarz, Elmhurst, N. Y. Electric lighting switch. 2,412,062; Dec. 3.
- Reiser, Alfred A., Buffalo, assignor, by mesne assignments, to H. & A. Manufacturing Co., Binghamton, N. Y. Electrical contact heater. 2,410,362; Oct. 29.
- Reiser, August D., St. Louis, and L. C. Rotter, Maplewood, assignors to Lincoln Engineering Company, St. Louis, Mo. Pump. 2,403,122; July 2.
- Reisher, Leon: *See*—Lester, William M., and Reisher.
- Reishus, Sondre S., Mott, N. Dak. Game carrier. 2,394,805; Feb. 12.
- Reising, Eugene G., Hartford, Conn. Trigger stop for firearms. 2,413,520; Dec. 31.
- Reiskind, Hillel I., and A. Badmaieff, Indianapolis, Ind., assignors to Radio Corporation of America. Electrical coupling circuits. 2,396,531; Mar. 12.
- Reisner, Joseph H., Hagerstown, Md., assignor to Adel Precision Products Corp. Bulkhead conduit support and seal. 2,410,999; Nov. 12.
- Reisner, W. H., Mfg. Co., assignee: *See*—Reisner, William H.
- Reisner, William H., assignor to The W. H. Reisner Mfg. Co., Inc., Hagerstown, Md. Multiple magnetic valve for organs. 2,392,411; Jan. 8.
- Reiss, Max, assignor to Eastman Kodak Company, Rochester, N. Y. Magnifying lens system. 2,394,635; Feb. 12.
- Reiter, Adolph, New York, N. Y. Hair curler. 2,411,336; Nov. 19.
- Reiter, Alfred A., and F. L. Beman, assignors to Cliffs Dow Chemical Company, Marquette, Mich. Separation of higher phenols from wood distillate. 2,400,466; May 14.
- Reiter, Alfred A., and F. L. Beman, assignors to Cliffs Dow Chemical Company, Marquette, Mich. Separation of acetol acetate from wood distillate. 2,401,274; May 28.
- Reitmeier, Ronald E., assignor to The Girdler Corporation, Louisville, Ky. Removal of hydrogen sulphide from gas streams. 2,405,072; Aug. 13.
- Reitsma, Henry: *See*—Dietz, Robert R., and Reitsma.
- Reitzer, Paul, Camp Mackall, Hoffman, N. C. Compass. 2,396,202; Mar. 5.
- Reif, Reginald T., Chatham, N. J., assignor to Federal Telephone and Radio Corporation. Conductor grommet assembly. 2,406,852; Sept. 3.
- Reliable Sheet Metal Engineering Co., assignee: *See*—Ryno, Judson B., and Casey.
- Reliance Steel Products Company, assignee: *See*—Nagin, Harry S.
- Rembert, Ernest W., Hinsdale, Ill., assignor to John-Manville Corporation, New York, N. Y. Pipe coupling. Re. 2,27,82; Aug. 20.

- Rembert, Ernest W., Hinsdale, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of fiber-cement sheets. 2,401,663; June 4.
- Rembert, Ernest W., Hinsdale, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of fibro-cementitious sheets. 2,407,514; Sept. 10.
- Rembold, Albert A., San Francisco, Calif. Card punch. 2,404,985; July 30.
- Remco Electronics, Inc., assignee: *See*—
- Tomlin, Hershel
- Remington Arms Company, Inc., assignee: *See*—
- Armstrong, Robert E.
- Birdsall, Edwin H.
- Burdett, Philip H.
- Catlin, John P., Eckstein, and Vordahl.
- Christie, Lewis D.
- Dorothea, Gale, and Arnott.
- Finlay, Walter L.
- Footo, Donald S.
- Gaulin, Achille G.
- Horton, Lucien B., and Speed.
- Howell, John D.
- Huddleson, Walter D., and Homan.
- Luster, Donald R., and Rutherford.
- McCoy, Abram A., and Neumann.
- Meador, Norward A.
- Moon, Ernest F.
- Reynolds, Warren S.
- Rix, Leon A.
- Rostagno, Karl Z.
- Rouse, John W., and Moore.
- Spraker, Richard A.
- Whipple, Ernest G.
- Yates, Chapin W., and Yost.
- Yost, Kenneth J.
- Remington Rand Inc., assignee: *See*—
- Rice, Earl S., and Kase.
- Roggenstein, Edwin O.
- Tolmie, Edgar S.
- Wilder, Marshall P.
- Remus, Valentin; vested in the Allen Property Custodian. 2,410,105; Oct. 29.
- Renard, Roland E.; *See*—
- Peterson, Howard B., and Renard.
- Rend, William P., Chicago, Ill. Message sheet. 2,405,327; Aug. 6.
- Rendall, Emma, New York, N. Y. Clerical rabat. 2,394,717; Feb. 12.
- Rendel, George H.; *See*—
- McLaughlin, William H., and Rendel.
- Rendel, George H., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Automatic positioning and welding. 2,412,648; Dec. 17.
- Renfrew, Malcolm M.; *See*—
- Macht, Maurice L., and Renfrew.
- Renfrew, Paul, Berkeley, and W. F. Berck, Hayward, assignors to Ralph N. Brodie Company, Oakland, Calif. Slow closing valve control for predetermining counters. 2,395,795; Feb. 26.
- Renfrow, William B., Jr.; *See*—
- Smith, Lee I., and Renfrow.
- Reniers, James H., assignee, et al.; *See*—
- Tiffany, Frank E.
- Rennie, Robert F., Little Falls, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reduction of molybdenum trioxide. 2,395,114; Apr. 9.
- Rennie, Robert F., Lake Forest, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Continuous reduction of molybdenum compounds. 2,402,084; June 11.
- Renniks Company, assignee: *See*—
- Skinner, Ralph L.
- Renshaw, Samuel, Columbus, Ohio. Tachistoscopic apparatus. 2,410,237; Oct. 29.
- Reentschler, Harvey C., East Orange, and D. E. Henry, Cedar Grove, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photoelectric device and the manufacture thereof. 2,393,264; Jan. 22.
- Renwal Manufacturing Co., Inc., assignee: *See*—
- Rosenblom, Irving.
- Renzioli, Louis S., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Electro-refining of nickel. 2,394,874; Feb. 12.
- Replogle, George W., Dayton, Ohio. Aircraft enfettering and mooring device. 2,391,921; Jan. 1.
- Reppas, Joseph I., Chicago, Ill. Attachment for drill presses or the like. 2,409,706; Oct. 22.
- Republic Aviation Corporation, assignee: *See*—
- Bergh, Roland C.
- Burrell, George T.
- Glover, John E., Jr.
- Jager, Howard M.
- Jager, Howard M., and Schenk.
- Kucyn, Chester J.
- Lescher, George W., and Steet.
- Republic Flow Meters Company, assignee: *See*—
- Rosenberger, Albert J.
- Yellott, John L., Ackley, and Rosenberger.
- Republic Industries, Inc., assignee: *See*—
- Gaines, Walter S.
- Martin, William H.
- Republic Steel Corporation, assignee: *See*—
- Morgan, Milton F.
- Stewart, William M.
- Whitehouse, Irving, Schofield, and Cummings.
- Research Consultants Limited, assignee: *See*—
- Smith, Frederick G.
- Research Corporation, assignee: *See*—
- Bush, Vannevar, and Caldwell.
- Daskals, Morris H., and Fields.
- Fieser, Louis F.
- Hall, William M.
- Hamilton, James H., and White.
- Hader, Ernest A., and Dannenberg.
- Hedberg, Carl W. J.
- Meston, Archibald F.
- Milas, Nicholas A.
- Milas, Nicholas S.
- Overbeck, Wilcox P.
- Pecher, Charles.
- Sloan, David H.
- White, Harry J.
- Research Developing Associates, Inc., assignee: *See*—
- Svirsky, Bennett.
- Resek, Jules V.; *See*—
- Cleaver, John C., and Resek.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Heating apparatus. 2,393,411; Jan. 22.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Heating system of be circulating liquid class. 2,399,941; May 7.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Thermosiphon liquid circulating heating system. 2,399,942; May 7.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Telescoping flue. 2,404,530; July 23.
- Resides, Wilbur C.; *See*—
- Walsh, Allen A., and Resides.
- Resina, Manuel S., Brooklyn, N. Y. Cap chuck. 2,409,899; July 23.
- Resinous Products & Chemical Co., The, assignee: *See*—
- Auten, Robert W., and Herr.
- Auten, Robert W., and Rainey.
- Bruson, Herman A.
- Bruson, Herman A., and Riener.
- Eastes, John W.
- Robinson, Jack D., and Myers.
- Resistoflex Corporation, assignee: *See*—
- Dangelmajer, Charles.
- Porter, Charles A.
- Resk, Michel, New Rochelle, N. Y. Professional photographic camera. 2,408,811; Oct. 8.
- Resler, Ernest D.; *See*—
- Jones, Jay S.
- Resnick, Benjamin, Bronx, N. Y. Tie lock. 2,396,751; Mar. 19.
- Resnick, David, Portland, Maine. Restaurant-booth bench. 2,400,167; May 14.
- Reso, Sam.; *See*—
- Lindsay, John H., and Reso.
- Restivo, Angelo; *See*—
- Liptay, John M., and Restivo.
- Retherford, Robert C.; *See*—
- Okrass, Ernest C., Nelson, and Retherford.
- Rethorst, Scott, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Vultec Aircraft Corporation. Fuel container and method of making same. 2,406,903; Sept. 3.
- Rettaliata, John T.; *See*—
- Allen, Robert C., and Rettaliata.
- Rettenmeyer, Francis X., Moorestown, N. J., assignor to Radio Corporation of America. Ultra high frequency ignition system. 2,408,881; Oct. 8.
- Reub, Theodore O., Chicago, Ill., assignor to The Sherman-Klove Co., Chicago, Ill. Torque wrench. 2,398,330; Apr. 9.
- Reufer, Gottfried, South Milwaukee, assignor to Bucyrus-Erie Company, Milwaukee, Wis. Support for clutch bands. 2,406,038; Aug. 20.
- Reunger, Emile C., Somerville, Mass., assignor of one-half to P. Hussar, Weymouth Landing, Mass. Mechanical movement. 2,398,963; Apr. 23.
- Revere Camera Company, assignee: *See*—
- Briskin, Theodore S.
- Revere Copper and Brass Incorporated, assignee: *See*—
- Rever, Edward.
- Wilkins, Richard A., and Bunn.
- Revlon Products Corporation, assignee: *See*—
- Nehrke, Charles.
- Revo Electric Co. Limited, assignee: *See*—
- Reeves, Frederick H.
- Reyburn, John R.; *See*—
- Kuhn, Leopold, and Reyburn.
- Reyniers, James A., Niles, Mich. Surgical operating device. 2,403,400; July 2.
- Reynolds, Alfred T., and S. S. Mercatante, New York, N. Y. Latching apparatus. 2,395,066; Feb. 19.
- Reynolds, Clarence, Louisville, Ky. Siphon cleaner. 2,397,158; Mar. 26.
- Reynolds, David W.; *See*—
- Turtle, Rupert C., and Reynolds.

- Reynolds, Delbert D.: *See—*
Kenyon, William O., and Reynolds.
- Reynolds, Ellwood W. Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for balancing rotating members. 2,394,482; Feb. 5.
- Reynolds, Frank Y., assignor to Gaylord Products, Incorporated, Chicago, Ill. Hair fastener. 2,396,389; Mar. 12.
- Reynolds, Frank D., assignor to Gaylord Products, Incorporated, Chicago, Ill. Hair curler. 2,396,606; Mar. 12.
- Reynolds, Frank D., assignor to Gaylord Products, Incorporated, Chicago, Ill. Hair curler. 2,410,106; Oct. 29.
- Reynolds, Frederick A., Denver, Colo. Ratchet mechanism. 2,404,092; July 16.
- Reynolds, Frederick N., Augusta, Ky. Lathe center. 2,397,371; Mar. 26.
- Reynolds, Frederick W., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television follower apparatus. 2,403,023; July 2.
- Reynolds, George A., Jr.: *See—*
Rankin, Dan R., and Reynolds.
- Reynolds, George A., Jr., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Amphibian steering device. 2,408,955; Oct. 8.
- Reynolds, Harold C.: *See—*
Kellog, Henry B., and Reynolds.
- Reynolds, Harold C., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid actuated tool. 2,401,190; May 28.
- Reynolds, Harold C., Springfield, Ohio. Signal flash. 2,409,957; Oct. 22.
- Reynolds, James H., Indianapolis, Ind., assignor to Radio Corporation of America. Inspection machine for packaged goods. 2,393,188; Jan. 15.
- Reynolds, Mary A., assignee: *See—*
Anthony, Leon.
- Reynolds Metals Company, assignee: *See—*
Babcock, Gordon M.
Beneke, Charles.
Kohlhepp, Norman.
Reynolds, Richard S.
Zdanaitis, Vit.
Zeigler, Paul G., and Householder.
- Reynolds Metals Corporation, assignee: *See—*
Buchanan, Thomas B., and Pape.
- Reynolds, Reginald L., Carpinteria, Calif. Fishing reel. 2,400,317; May 14.
- Reynolds & Reynolds Company, The, assignee: *See—*
Curmide, Harry P., and Gardiner.
- La Hette, James, and Reynolds.
- Reynolds, Richard S., assignor to Reynolds Metals Company, Richmond, Va. Reinforcing liner and package for cigarettes and other articles. 2,404,312; July 16.
- Reynolds, Robert L., Washington, D. C., and H. M. Rice, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Removing greasy deposits from concrete, wood, and tile surfaces. 2,403,612; July 9.
- Reynolds, Robert L., Washington, D. C., and H. M. Rice, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Removing greasy deposits from concrete, wood, and tile surfaces. 2,403,613; July 9.
- Reynolds Spring Company, assignee: *See—*
Reed, Clair S.
- Reynolds, Warren S., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Trimming machine. 2,406,562; Aug. 27.
- Reynolds, William B., Cincinnati, Ohio, and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chromable monazo dye. 2,396,343; Mar. 12.
- Reynolds, William E., Coquille, Ore. Measuring instrument. 2,401,962; June 11.
- Reynolds, A., & Company Limited, assignee: *See—*
Bayles, John W.
Bayles, John W., and Robertson.
- Rheem Manufacturing Company, assignee: *See—*
Dailey, Gardner A.
- Rheem Research Products Incorporated, assignee: *See—*
King, Vernon J.
Taylor, Albert G.
Thomas, Robert M., and Ostrander.
- Rhees, William B., Augusta, Kans. Process and apparatus for the demulsification of hydrocarbons. 2,400,713; May 21.
- Rhegas, Peter C., Detroit, Mich. Holder attachment for sharpening safety razor blades. 2,392,264; Jan. 1.
- Rheinberger, Eberhard, Berlin, Germany; vested in the Allen Property Custodian. Manufacturing a composition from waste liquor of cellulose. 2,400,053; May 7.
- Rheinbeck, Alfred E., and S. B. Creclius, Louisville, Ky., assignors to Devoil & Reynolds Company, Inc. Preparation of varnish compositions. 2,403,300; July 2.
- Rhinehart, Fred T.: *See—*
Corrigan, Joseph J., and Rhinehart.
- Rhines, Thomas B., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Air flow inducing device. 2,401,584; June 4.
- Rhodes, Donald A., Palo Alto, and G. B. Scheer, Berkeley, Calif., assignors, by mesne assignments, to The Permanent Metals Corporation. Electrode sealing means. 2,405,236; Aug. 6.
- Rhodes, Russell G., San Francisco, Calif., assignor to Beceel Brothers McCone Company. Radiographic inspection method. 2,412,174; Dec. 3.
- Rhodes, Harold A., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Frequency diversity telegraph system. 2,397,884-5; Apr. 2.
- Rhodes, Herbert D.: *See—*
Rouault, George F., and Rhodes.
- Rhodes, James H., & Company, assignee: *See—*
Englund, Leonard H.
Levine, Maurice.
Rimer, Lewis K.
- Rhodes, Jay C., Seattle, Wash. Venetian blind. 2,396,435; Mar. 12.
- Rhodes, John W., Indianapolis, Ind., assignor to J. D. Adams Manufacturing Company. Locking device. 2,402,842; June 25.
- Rhodes, M. H., Inc., assignee: *See—*
Rhodes, Marcus H.
- Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Timing device. 2,408,997; Oct. 8.
- Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Escapement. 2,408,998; Oct. 8.
- Rhodes, William W.: *See—*
Park, Joseph D., and Rhodes.
- Riblet, Ruyaa, N., Spokane, Wash. Power-driven scaffold. 2,396,127; Mar. 5.
- Ricardo, Harry R., London, England. Centrifugal governor. 2,392,265; Jan. 1.
- Ricardo, Harry R., London, England. Making weights for centrifugal governors. 2,392,266; Jan. 1.
- Ricard, Wilfredo, Barcelona, Spain. Crankcase and cylinder cooling. 2,397,434; Mar. 26.
- Ricart, Wilfredo, Barcelona, Spain. Mechanisms for regulating pumps for internal-combustion engines. 2,398,460; Apr. 16.
- Ricciello, Michael, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid coating compositions. 2,411,554; Nov. 26.
- Rice Barton Corporation, assignee: *See—*
Clem, Everett W.
- Rice, Charles J., Bexleyheath, England. Supporting and/or facilitating the erection of posts, stanchions, pipes, and the like. 2,392,549; Jan. 8.
- Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. High-frequency apparatus. 2,412,631; Dec. 17.
- Rice, Earl S., Fanwood, N. J., and O. E. Kase, Valley Stream, assignors to Remington Rand Inc., Buffalo, N. Y. Card feeding mechanism. 2,402,774; June 25.
- Rice, Edward A., Claremont, N. H., assignor to Sullivan Machinery Company. Drill steel guide. 2,394,806; Feb. 12.
- Rice, Edward A. B., Newton Abbot, and A. G. Rose and S. Curtis, Gainsborough, said Rose and said Curtis assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Gun mounting. 2,411,114; Nov. 12.
- Rice, Edward E., assignee, et al., trustee: *See—*
Johnson, Melvin M., Jr.
- Rice, Edward E., trustee, assignee: *See—*
Johnson, Melvin M., Jr.
- Rice, Emery M., assignee, et al.: *See—*
Fruitt, Harvey E.
- Rice, Harlan M.: *See—*
Reynolds, Robert L., and Rice.
- Rice, Harold W., assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Valve. 2,394,105; Feb. 5.
- Rice, Hudson D., Dallas, Tex. Rotary engine and sealing the same. 2,396,882; Mar. 19.
- Rice, Mildred H., Pasadena, Calif. Shoe preserver. 2,413,071; Dec. 24.
- Rice, Thomas G., Huyton, near Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrical circuit employing nonlinear resistance material. 2,409,150; Oct. 8.
- Rich, Charles C., Bridgeport, Conn. Safety trap for disabled brake gears. 2,399,121; Jan. 15.
- Rich, Clayton L., Los Angeles, Calif. Wrench. 2,410,392; Oct. 29.
- Rich, Everett W., San Diego, Calif. Rotary combustion engine. 2,402,257; June 18.
- Rich, Everett W., San Diego, Calif. Rotary combustion engine. 2,403,684; July 9.
- Rich, George H.: *See—*
Trilling, David M., and Rich.
- Rich, Paul C., assignor to Western Precipitation Corporation, Los Angeles, Calif. Multistage centrifugal separating apparatus. 2,399,509; Apr. 30.
- Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Magnetic clutch. 2,411,055; Nov. 12.
- Richards, Carroll H., Boston, Mass. Two and one direction silent overriding and positive driving overriding mechanism. 2,407,099; Sept. 3.
- Richards, Carroll H., Boston, Mass. Impact tool mechanism. 2,408,228; Sept. 24.
- Richards, Charles L., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Tuning mechanism for wireless sets. 2,397,435; Mar. 26.
- Richards, Dwight, assignor to The Buda Company, Harvey, Ill. Motorcar. 2,401,516; June 4.

- Richards, Dwight, assignor to The Buda Company, Harvey, Ill. Motorcar. 2,401,317; June 4.
- Richards, Dwight, and S. T. Comfort, assignors to The Buda Company, Harvey, Ill. Crossing gate. 2,401,275; May 28.
- Richards, Oscar W.: *See—*
Bennett, Alva H., and Richards.
- Richards, Oscar W., Snyder, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Microscope. 2,404,888; July 30.
- Richards, Prescott L., Summit, N. J., assignor to Standard Oil Development Company. Chemical process. 2,402,448; June 18.
- Richards, Raymond, Birkdale, Southport, England. Device for use in the making of drawings. 2,401,105; May 28.
- Richards, Stanley T. A.: *See—*
Petter, William E. W., Widgey, and Richards.
- Richards, William S., Medford, Mass. Sanitary self cleaning comb and case. 2,398,039; Apr. 9.
- Richards, Wilma Rhodes, assignee: *See—*
Burbank, Clifford D., and Harry.
- Richardson, Alan C., Berkeley, assignor to California Packing Corporation, San Francisco, Calif. Proportioning vitamin carrying mediums in food products. 2,395,067; Feb. 19.
- Richardson, Arthur B., and D. C. Thompson, Roanoke, Va., assignors to American Viscose Corporation, Wilmington, Del. Device for impregnating filamentary packages with liquids. 2,405,520; Aug. 6.
- Richardson, Avery G., Bonton, N. J., and F. O. Chesus, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Rotary position corrector. 2,406,853; Sept. 3.
- Richardson, Donald E., and R. E. Yates, assignors to Drying Systems, Inc., Chicago, Ill. Burner safety control. 2,410,524; Nov. 5.
- Richardson, Earl L., Bound Brook, and K. L. Russell, Nutley, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Antiperspirant preparation. 2,412,535; Dec. 10.
- Richardson, Elmer C., assignor to Mole-Richardson Co., Los Angeles, Calif. Arc lamp and operating same. 2,396,436; Mar. 12.
- Richardson, Ernest L., Melrose, Mass., assignor to General Electric Company. Drafting of fibers. 2,407,100; Sept. 3.
- Richardson, George, and J. Horlick, Lynn, Mass., assignors to General Electric Company. Gas-arc hand torch. 2,411,465; Nov. 19.
- Richardson, Henry K., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lamp base. 2,407,998; Sept. 24.
- Richardson, Henry K., Bloomfield, F. A. Newcombe, Nutley, and A. H. Laidig, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Method and apparatus for molding glass articles. 2,393,265; Jan. 22.
- Richardson, John H., Needham, assignor to Polaroid Corporation, Cambridge, Mass. Mold for use in the manufacture of optical elements. 2,406,401; Aug. 27.
- Richardson, Lawrence, Cambridge, Mass. Snow melting apparatus. 2,401,106; May 28.
- Richardson, Martin A., assignor to J. I. Case Company, Racine, Wis. Vehicle draw bar. 2,409,313; Oct. 15.
- Richardson, Max S.: *See—*
Edwards, William H., and Richardson.
- Richardson, Norval R., Alexandria, Va. Jet propelled toy. 2,410,682; Nov. 5.
- Richardson, Ralph S.: *See—*
Schideler, Pierre, and Richardson.
- Richardson, Rodney G., assignor to George W. Borg Corporation, Chicago, Ill. Timing apparatus. 2,398,249; Apr. 9.
- Richardson, Roger W., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic cracking and catalyst reactivation. 2,397,505; Apr. 2.
- Richardson Taylor-Globe Corporation, The, assignee: *See—*
Marx, Frank A.
- Richardson, William G., Westwood, Mass. Air distributing duct. 2,395,233; Feb. 19.
- Richens, Arthur W., Toronto, Ontario, assignor to E. S. & A. Robinson (Canada) Limited, Leaside, Ontario, Canada. Tobacco pouch. 2,396,437; Mar. 12.
- Richer, Clarence B., assignor to Electric Wheel Company, Quincy, Ill. Loader. 2,397,045; Mar. 19.
- Richer, Clarence B., assignor to Electric Wheel Company, Quincy, Ill. Loader. 2,397,046; Mar. 19.
- Richfield Oil Corporation, assignee: *See—*
Reinhardt, Fredrick E.
- Richie, Therman L.: *See—*
Greene, Oren W., Twitty, and Richie.
- Richker, Charles, and Du B. Eastman, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbon oils. 2,404,595; July 23.
- Richmond, Burnell E., and P. C. Wilbur, assignors to Richmond-Chase Co., San Jose, Calif. Dried fruit packaging. 2,411,896; Dec. 3.
- Richmond-Chase Co., assignee: *See—*
Richmond, Burnell E., and Wilbur.
- Richmond, George, Brooklyn, N. Y. Adjustable splint. 2,401,107; May 28.
- Richmond, Martin R., Brooklyn, N. Y., assignor to Radio Corporation of America. Ultra-high frequency apparatus. 2,403,302; July 2.
- Richmond, Martin R., Washington, D. C., assignor to Radio Corporation of America. Ultra-high frequency apparatus. 2,403,303; July 2.
- Richmond, Nelson R., Thompsonville, assignor to United Aircraft Corporation, East Hartford, Conn. Remote indicating means. 2,393,189; Jan. 15.
- Richmont, Inc., assignee: *See—*
Livermont, Frank W.
- Richolson, Abraham M., Brooklyn, N. Y. Measuring gauge for fuel oil tanks. 2,410,525; Nov. 5.
- Richon, André, Sous-Geronde, Chippis, Valais, Switzerland. Making artificial carbon pieces. 2,403,301; July 2.
- Richter, A. M., Sons Co., assignee: *See—*
Silbernagel, Frederick C.
- Richter, Carl, Chicago, Ill. Manufacture of full-fashioned hosiery. 2,395,908; Mar. 5.
- Richter, Henry J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified vinyl chloride-acrylic ester copolymer. 2,395,581; Feb. 26.
- Richter, Henry J., and H. S. Rothrock, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerized esters of carboxylic acids and preparation of same. 2,410,305; Oct. 29.
- Rick, Charles, Highland Park, Mich. Combination storm window. 2,397,807; Apr. 2.
- Rickelmann, Gustav W. B., assignor of forty percent to V. Mosca, Paterson, N. J. Loom. 2,413,155; Dec. 24.
- Rickenmann, Alfred, Zurich, Switzerland. Measuring and testing device. 2,407,576; Sept. 10.
- Rickenmann, Alfred, Zurich, Switzerland. Device for dressing grinding disks. 2,407,577; Sept. 10.
- Ricker, Richard W.: *See—*
Mook, Glenn C., and Ricker.
- Ricketts, James R., Berkeley, Calif. Device for facing the slide valve seat of triple valves. 2,402,775; June 25.
- Ricketts, Joseph L., Frankfort, Ind. Grain housing wagon body. 2,411,056; Nov. 12.
- Rickins, Martin, Durban, Natal, Union of South Africa. Apparatus for handling vehicles. 2,412,009; Dec. 3.
- Ridbo Laboratories, Inc., assignee: *See—*
Kalman, Nicholas L.
Webb, Frederick J.
Zells, Harold H.
- Riddell, Donald J., Ardmore, Pa. Contact lens. 2,393,266; Jan. 22.
- Riddell, William A., assignor to The General Engineering Company, Frederick, Md. Stoker. 2,392,189; Jan. 1.
- Riddell, William A., assignor to The General Engineering Company, Frederick, Md. Ash remover. 2,393,412; Jan. 22.
- Ridder, Joseph U., Lakewood, assignor to The Yoder Company, Cleveland, Ohio. Welding apparatus. 2,400,889; May 28.
- Ridderstrom, Andrew R., Nalant, assignor to Prime Manufacturing Company, Lynn, Mass. Shoemaking. 2,393,566; Jan. 22.
- Riddle, Harvey W., Branford, Conn., assignor to The American Steel and Wire Company of New Jersey. Torpedo net. 2,408,482; Oct. 1.
- Ridener, Everett H., assignor of one-half to W. F. Ridener, Evansville, Ind. Amusement apparatus. 2,402,843; June 25.
- Ridener, Wayne F., assignee: *See—*
Ridener, Everett H.
- Rideout, John G., Chagrin Falls, assignor to Gendron Wheel Company, Perrysburg, Ohio. Folding wheel chair. 2,402,085; June 11.
- Rideout, Vincent C.: *See—*
Fris, Harald T., and Rideout.
- Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Pressure actuated sprinkler valve. 2,398,461; Apr. 16.
- Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Fluid pressure actuated valve. 2,400,372; May 14.
- Ridgefield Manufacturing Corporation, assignee: *See—*
Gassner, Alfred A.
- Ridgway, Edmund T., Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa. Spring suspension. 2,411,337; Nov. 19.
- Ridgway, Edmund T., Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa. Spot welding. 2,412,175; Dec. 3.
- Ridgway, Joseph W., Detroit, Mich., assignor to Sterling Engine Company, Buffalo, N. Y. Diffuser. 2,399,826; May 7.
- Riding, Herbert: *See—*
Lord, Wilfrid, and Riding.
- Riding, Thomas, assignor to Goodall-Sanford, Inc., Sanford, Maine. Pile fabric for abrasive base. 2,397,508; Apr. 2.
- Ridings, Garvice H.: *See—*
Hieronymus, Charles G., Ridings, and Wise.
Wise, Raleigh J., and Ridings.

- Ridings, Garvice H., Summit, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic facsimile telegraph system. 2,396,286; Mar. 12.
- Ridings, Garvice H., Summit, and R. J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile telegraph system and apparatus. Re. 2,2819; Dec. 17.
- Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrical apparatus. 2,393,939; Mar. 5.
- Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Switching key. 2,400,952; May 28.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Time interval meter. 2,401,019; May 28.
- Richer, Frank, assignor to Interval Instruments, Inc. New York, N. Y. Mechanically tuned oscillator. 2,412,536; Dec. 10.
- Riedel, Frederick W., Belle Vernon, Pa. Adjustable guides for flame hardening torches. 2,404,656; July 23.
- Riegel Paper Corporation, assignee: *See*—
Borden, George C., Jr., and Karlson.
- Rieger, Ernest W., Bloomdale, Ohio, and C. J. Klein, Marland Heights, W. Va., assignors to National Steel Corporation. Electroplating. 2,399,254; Apr. 30.
- Rieger, William H.: *See*—
Cislak, Francis E., and Rieger.
- Riehl, Harmon B., Boston, Mass., assignor to The Pacific Lumber Company, San Francisco, Calif. Composite batting. 2,398,159; Apr. 9.
- Rieke, Sidney C., Mission, Tex. Waxing machine. 2,408,812; Oct. 8.
- Riemann, Howard C., West Milwaukee, and J. R. Thorp, assignors to The Fulton Company, West Allis, Wis. Trailer coupling. 2,392,063; Jan. 1.
- Riemann, Howard C., West Milwaukee, and J. R. Thorp, assignors to The Fulton Company, West Allis, Wis. Trailer hitch. 2,408,531; Oct. 1.
- Riener, Thomas W.: *See*—
Bruson, Herman A., and Riener.
- Rienstra, Albert R., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic musical instrument. 2,401,372; June 4.
- Ries, Kernell G., Niagara Falls, N. P. Robie, Lewiston, and P. von Doenhoff, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and making. 2,404,192; July 16.
- Riesing, Ellwood F., Pontiac, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Motor mounting. 2,393,505; Jan. 22.
- Rieske, Otto G., Buffalo, N. Y. Roller skate. 2,412,290; Dec. 10.
- Riesmeyer, August H., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Removing sodium from alumina. 2,411,807; Nov. 26.
- Riesmeyer, August H., Collinsville, and W. H. Glitzen, Belleville, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa. Purification of alumina. 2,411,806; Nov. 26.
- Riess, August H., Lawndale, assignor of one-third to H. G. Manley, Hawthorne, Calif. Electric flatiron and control therefor. 2,405,270; Aug. 6.
- Riess, John, St. Louis, Mo., assignor to Henry Hotze & Sons Company. Making luggage framework. 2,397,506; Apr. 2.
- Riethof, George, Mount Lebanon, Pa. Separating 3-picoline, 4-picoline, and 2,6-lutidine. 2,412,649; Dec. 17.
- Riethof, George, Mount Lebanon, Pa. Separating 3-picoline, 4-picoline, and 2,6-lutidine. 2,412,650; Dec. 17.
- Riethof, George, Mount Lebanon, Pa. Separating 3-picoline, 4-picoline, and 2,6-lutidine. 2,412,651; Dec. 17.
- Riethof, George, Mount Lebanon, Pa., assignor to Pittsburgh Coke & Chemical Company. Recovery of pure beta-picoline. 2,402,667; June 25.
- Riethof, George, Mount Lebanon, Pa., assignor to Pittsburgh Coke & Chemical Company. Recovery of pure 3-picoline. 2,403,949; July 16.
- Rietz, Earl B., Lansdowne, and D. K. Tower, Newtown Square, Pa., assignors to General Electric Company. Electric circuit breaker. 2,401,963; June 11.
- Riets, Edward L., Riverside, Ill., assignor to International Harvester Company. Side delivery rake. 2,403,401; July 2.
- Rifenbergh, Clare M.: *See*—
Shank, Clifford A., and Rifenbergh.
- Rifkin, Jacob, Wilkes-Barre, Pa. Seal lock. 2,411,115; Nov. 12.
- Rifkin, Milton, Denver, Colo. Self-serve automatic registering device. 2,408,581; Oct. 1.
- Rigby, George W.: *See*—
Hanford, William E., and Rigby.
- Rigby, George W., and H. E. Schroeder, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluoracetamides and their preparation. 2,409,315; Oct. 15.
- Riggles, William M., Jr., B. B. Ramey, guardian of the estate of said W. M. Riggles, Jr., assignor to The Glenn L. Martin Company, Middle River, Md. Landing gear housing door. 2,406,710; Aug. 27.
- Riggs, Alger S., Washington, D. C., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Apparatus for electrical control. 2,403,813; Oct. 3.
- Riggs, Charles C., Roscoe, Calif. Nursing bottle holder. 2,399,389; Apr. 30.
- Riggs, Harold C., Langhorne Manor, and W. W. Smith, Philadelphia, Pa., assignors to The Electric Storage Battery Company. Acid-resisting means for deferred action type batteries. 2,404,144; July 16.
- Riggs, Homer C.: *See*—
Higginson, Joseph H., and Riggs.
- Riggs & Lombard, Inc., assignees: *See*—
Higginson, Joseph H., and Riggs.
- Rightmeyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Vehicle door latch. 2,407,999; Sept. 24.
- Rigrod, William W., Bloomfield, and D. G. Clifford, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coaxial terminal assembly. 2,408,271; Sept. 24.
- Rike, Richard C.: *See*—
Rasmussen, Olaf, and Rike.
- Riker, Malcolm D., Detroit, Mich. Overflow device for liquid containers. 2,405,849; Aug. 13.
- Riker, Robert T., and J. H. Molat, Brooklyn, N. Y. Fluorescent lighting fixture servicing implement. 2,409,900; Oct. 22.
- Riley, Joseph F., Chicago, Ill., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of the Navy. Desiccator unit. 2,396,474; Mar. 12.
- Riley Stoker Corporation, assignee: *See*—
Kubner, Max H.
Rehm, Gustav A.
Smith, Eric H.
- Riling, Floyd E., Anderson, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Variable resistance. 2,396,970; Mar. 19.
- Rimer, Lewis K., Evanston, assignor to James H. Rhodes & Company, Chicago, Ill. Cleansing device. 2,395,068; Feb. 19.
- Rimer, Ralph R.: *See*—
Elmer, William B., and Rimer.
- Rind, Knecht, Heinrich: *See*—
Berger, Franz, Hindley, Morrison, and Rinderknecht.
- Rines, Albert H., Amesbury, and J. Hardy, and D. J. O'Keefe, Newburyport, Mass., assignors to Hytron Corporation. Box end folding machine. 2,410,393; Oct. 29.
- Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency adjustment of resonant cavities. 2,406,402; Aug. 27.
- Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling system. 2,410,838; Nov. 12.
- Ring, Joseph E.: *See*—
Abbott, Edward J., Perry, and Ring.
- Ringer, Arthur, Paola, Kans. Stereoscopic printer. 2,393,567; Jan. 22.
- Ringer, Arthur, Paola, Kans. Camera. 2,395,194; Feb. 19.
- Ringer, Luther: *See*—
Geldhof, Peter E., and Ringer.
- Ringer, Robert L., Jr., assignor to The Taylor-Wingfield Corporation, Warren, Ohio. Control of welding current. 2,392,101; Jan. 1.
- Ringham, Clarence R., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,409,380; Oct. 15.
- Ringle, Donald F., Springfield, Vt., assignor, by mesne assignments, to the Government of the United States of America. Collocating gauge. 2,404,889; July 30.
- Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Berry box or the like. 2,406,254; Aug. 27.
- Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Foldable end wall carrier and carton. 2,406,711; Aug. 27.
- Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Bottle carrier. 2,407,708; Sept. 17.
- Ringrose, Joseph E., Redmond, Oreg. Hay loading apparatus. 2,410,238; Oct. 29.
- Ringwald, Clarence, Springfield, Ohio. Electrode holder. 2,411,980; Dec. 3.
- Riordan, Howard C., assignee: *See*—
Mott, Carl W.
- Rios y Marquez, Enrique J., Lawton, Habana, Cuba. Fruit peeling device. 2,410,683; Nov. 5.
- Ripley, Arnold C., Windsor, Ontario, Canada. Destroying vegetable matter in pipes. 2,397,328; Mar. 26.
- Rippetau, Walter L., Jr., Baltimore, Md., assignor to Phillips Petroleum Company. Purification of toluene. 2,412,010; Dec. 3.
- Risch, Rudolf: *See*—
Gaudenzi, Arthur, and Risch.
- Rissler, Lennie R.: *See*—
Dunlop, James, and Rissler.

- Ritchie, Alexander J., assignor to Electric Boat Company, Bayonne, N. J. Synthetic fog or smoke. 2,407,384; Sept. 10.
- Ritchie, W. C., and Company, assignee: *See*—Gleisner, Walter J.
- Ritenour, Daniel W., Winchester, Va. Rotary cultivator and means of attachment to agricultural implements. 2,393,190; Jan. 15.
- Ritter Company, Inc., assignee: *See*—Lauterbach, Norman E.
Maxson, Clarence G.
Ziegler, Eugene R.
- Ritter, George, Millington, N. J., assignor to The Ruberoid Co., New York, N. Y. Core support for extrusion machines. 2,392,190; Jan. 15.
- Ritter, Irving S., Plainfield, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerating apparatus. 2,405,448; Aug. 6.
- Ritter, John G., Springfield, Mass., assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Stabilizing apparatus. 2,395,940; Mar. 5.
- Ritter Products Corporation, assignee: *See*—Johnson, Herbert B.
- Rittman, William L., and W. A. Proell, assignors to Standard Oil Company, Chicago, Ill. Protecting rubber products. 2,392,881; Jan. 15.
- Ritzert, Robert W., assignor to The Egly Register Co., Dayton, Ohio. Carbon feeding manifolding machines. 2,407,799; Sept. 17.
- Rival Manufacturing Company: *See*—Grant, Albert E.
Talge, Henry J., and Landry.
- Riverside & Dan River Cotton Mills, Inc., assignee: *See*—Gamble, Glenn F.
- Riverside Steel Company, assignee: *See*—Ice, James N.
- Rix, Leon A., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firearm. 2,402,086; June 11.
- Rixon, John F., Hudson, N. Y. Flight conveyor. 2,403,024; July 2.
- Roach, Charles J., Hamilton, Ohio. Refrigerator defroster. 2,400,168; May 14.
- Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Structural toy. 2,408,272; Sept. 24.
- Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Collapsible framed display. 2,408,532; Oct. 1.
- Roach, Wendell W., Kansas City, Mo., and D. G. Blaker, Mission, Kans., assignors to Phillips Petroleum Company. Catalyst chamber. 2,399,827; May 7.
- Roadless Traction Limited, assignee: *See*—Johnson, Philip H.
- Robaczynski, Ladislaus, Brooklyn, N. Y. Driving mechanism for machine tables. 2,396,128; Mar. 5.
- Robaczynski, Ladislaus, Brooklyn, N. Y. Lubricating system. 2,411,391; Nov. 19.
- Roberts, Ernest L.: *See*—Wood, John E.
- Robb, Frank B., Chagrin Falls, Ohio. Scraper vehicle. 2,396,287; Mar. 12.
- Robb, Mike, assignee: *See*—Toohey, Patrick F.
- Robb, Philip F.: *See*—Phillips, Herman C., and Robb.
- Robbins, James S., Highland Park, Ill. Hose coupling. 2,411,057; Nov. 12.
- Robbins, Leo, New York, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation. Drilling machine. 2,398,250; Apr. 9.
- Robbins, Leo, New York, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation. Drilling machine. 2,398,251; Apr. 9.
- Robbins, Leo, assignor to Roberts Manufacturing Co., New York, N. Y. Swaging machine. 2,408,882; Oct. 8.
- Robbins, Thomas E., Jr., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Production of lead thiocyanate. 2,392,191; Jan. 1.
- Robbins, William K., Chicago, Ill. Chain link. 2,406,712; Aug. 27.
- Robblee, Ide L., assignor to American Optical Company, Southbridge, Mass. Eye shield or shade. 2,413,193; Dec. 24.
- Robeck, R. B., Everett, Wash. Barricade traversing device for motor vehicles. 2,393,655; Jan. 29.
- Ror, Anton, Milwaukee, Wis. Tool. 2,393,413; Jan. 22.
- Rober, Anton, Milwaukee, Wis. Padlock. 2,395,762; Feb. 26.
- Roberts, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Treatment of metals. 2,395,195; Feb. 19.
- Roberts, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Electrical heating apparatus. 2,395,196; Feb. 19.
- Roberts, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. High frequency apparatus. 2,404,404; July 23.
- Roberts, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Electrical heating apparatus. 2,408,229; Sept. 24.
- Robertson, James S. P., and M. L. Gayford, London, W. C. 2, England, assignors to International Standard Electric Corporation, New York, N. Y. Telephone transmitter and receiver. 2,400,662; May 21.
- Roberts, Albert G., and J. J. Wharum, assignors to Ford Motor Company, Dearborn, Mich. Transmission. 2,404,657; July 23.
- Roberts, Alfred M.: *See*—Nelson, Martin L., and Roberts.
- Roberts, Claudius H. M., Palos Verdes Estates, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Purifying mineral oils. 2,402,844; June 25.
- Roberts, Claudius H. M., Palos Verdes Estates, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Removing impurities from mineral oils. 2,404,405; July 23.
- Roberts, Dudley: *See*—Bascom, Roger C., and Roberts.
- Roberts, Dudley, Jr., executor: *See*—Roberts, Dudley.
- Roberts, Dudley, deceased, by D. Roberts, Jr., executor, assignor to Rubatex Products, Inc., New York, N. Y. Self-sealing tank. 2,407,515; Sept. 10.
- Roberts, Edward N., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 2,409,799; Oct. 22.
- Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Centrifugal apparatus. Re. 22,772; July 16.
- Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Hamilton, Ohio. Centrifugal mixer apparatus. 2,411,138; Nov. 12.
- Roberts, Frank H., and J. H. Abbink-Spaik, Jesmond, Newcastle-on-Tyne 2, assignors to Vickers-Armstrongs Limited, London, England. Apparatus for the automatic adjustment of the angle of elevation of guns. 2,412,356; Dec. 10.
- Roberts, Fred T., Ridgefield, Conn. Flexible tube. 2,396,059; Mar. 5.
- Roberts, John J., Los Angeles, Calif., assignor to Interstate Aircraft and Engineering Corp. Remote control gun charger. 2,397,507; Apr. 2.
- Roberts, Frederick W., Lockport, N. Y. Wood grinding machine. 2,406,904; Sept. 3.
- Roberts, Irene S.: *See*—Neuberg, Carl A., and Roberts.
- Roberts, John G., Dobbs Ferry, N. Y. Razor blade package. 2,411,669; Nov. 26.
- Roberts, John R., Glenview, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,401,020; May 28.
- Roberts, John W., Oklahoma City, Okla. Vehicle wheel carrier. 2,410,902; Nov. 12.
- Roberts, Leland C., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio communication system. 2,407,684; Sept. 17.
- Roberts Manufacturing Co., assignee: *See*—Robbins, Leo.
- Roberts, Otis, East St. Louis, Ill. Artificial larynx construction. 2,405,850; Aug. 13.
- Roberts, Otis, East St. Louis, Ill. Trachea connection. 2,405,851; Aug. 13.
- Roberts, Richard F., Freeport, N. Y. Safety razor. 2,407,516; Sept. 10.
- Roberts, Richard M., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Depositing fibrous material. 2,392,882; Jan. 15.
- Roberts, Samuel S., Pittsburgh, Pa. Seal for shafts. 2,401,108; May 28.
- Roberts, Shepard, Cambridge, Mass., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War. Wave guide. 2,411,338; Nov. 19.
- Roberts, Thomas W., assignee: *See*—Roberts, William A.
- Roberts, Vivion K., Port Orchard, Wash. Hammer or bag support. 2,412,834; Dec. 17.
- Roberts, Walter G.: *See*—Perkins, Alan J., and Roberts.
- Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Frequency-variable oscillator circuit. 2,408,684; Oct. 1.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Modulation system for ultra high frequency waves. 2,393,414; Jan. 22.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Signaling system. 2,396,288; Mar. 12.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Wavelength modulation system. 2,397,157; Mar. 26.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Tuned circuit and system therefor. 2,403,151; July 2.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 2,404,093; July 16.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Ultra high frequency electron discharge device system. 2,404,745; July 23.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Pulse transmitter. 2,410,748; Nov. 5.

- Roberts, Wesley J., Jacksonville, Ark. Antirooter. 2,400,600; May 21.
- Roberts, Wesley J., North Little Rock, Ark. Valve cap. 2,406,563; Aug. 27.
- Roberts, William A., assignor of one-half to T. W. Roberts, Paterson, N. J. Fringe cutting machine. 2,397,047; Mar. 19.
- Roberts, William H., assignor to Rotol Limited, Gloucester, England. Apparatus for measuring tensile or compression loads. 2,403,194; July 2.
- Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,400,601; May 21.
- Robertshaw Thermostat Company, assignee: *See*—Eskin, Samuel G.
- Eskin, Samuel G., and Strobel.
- Strobel, Charles K.
- Strobel, Charles K., and Eskin.
- Weber, Victor.
- Robertson, Alexander T.: *See*—
- Bayless, John W., and Robertson.
- Robertson, Anthony E.: *See*—
- McArdle, Edward H., and Robertson.
- Robertson, Anthony E., Roselle, N. J., assignor to Standard Oil Development Company. Motor fuels. 2,404,094; July 16.
- Robertson, Anthony E., Roselle, N. J., assignor to Standard Oil Development Company. Motor fuels. 2,408,999; Oct. 8.
- Robertson, Archibald, Hollywood, Calif., assignor to Adel Precision Products Corp. Clip for wires or conduits. 2,393,063; Jan. 15.
- Robertson, Archibald, Balboa Island, Calif., assignor to Adel Precision Products Corp. Wire supporting clip. 2,397,291; Mar. 26.
- Robertson, Archibald, North Hollywood, Calif., assignor to Adel Precision Products Corp. Conduit supporting block. 2,404,531; July 23.
- Robertson, E. R., Middlesex, assignor to Simmonds Aero-cessories Limited, London, England. Hydraulic movement transmitting system. 2,399,296; Apr. 30.
- Robertson, Edwin A., Sandusky, Ohio, assignor to Titeflex, Inc. Radio-shielded connection, especially for spark plugs. 2,399,390; Apr. 30.
- Robertson, Elfreda C., assignee: *See*—
- Robertson, Russell R.
- Robertson, H. H. Company, assignee: *See*—
- Crafton, Henry H.
- Shumaker, L. J.
- Snyder, Purdum M.
- Wiesmann, Joseph W.
- Robertson, John D., Taunton, Mass. Expander roll. 2,393,191; Jan. 15.
- Robertson, John H.: *See*—
- Wharum, John J., and Robertson.
- Robertson, Leon F.: *See*—
- Hess, Finley B., and Robertson.
- Robertson, P. L., Mfg. Co., Limited, assignee: *See*—
- Rush, John A.
- Robertson Paper Box Co., Inc., assignee: *See*—
- Bonville, Edward J.
- Robertson, Robert: *See*—
- Darwin, J. A., and Robertson.
- Robertson, Russell R., assignor, by mesne assignments, of one-half to E. C. Robertson, Patterson, Calif. Expansion joint dowel holder. 2,401,964; June 11.
- Robertson, Thayne, Boise, Idaho. Stoker smoking pipe. 2,402,914; June 25.
- Robertson, William H., Oakwood, assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,392,550; Jan. 8.
- Robeson, Edna G., assignor of one-half to B. A. Crawford, Miami, Fla. Shift mechanism for typewriters. 2,396,344; Mar. 12.
- Robey, Ralph, New York, N. Y. Lady's skirt hanger. 2,411,466; Nov. 19.
- Robichaux, Roy P., and Robichaux.
- Lundal, Ingie J., and Robichaux.
- Robie, Norman P.: *See*—
- Ries, Kernell G., Robie, and Von Doenoff.
- Robie, Norman P., Lewiston, and R. G. Rowe, assignors to The Carborundum Company, Niagara Falls, N. Y. Making laminated abrasive articles. 2,393,267; Jan. 22.
- Robillard, Joseph H.: *See*—
- Koch, Stanley J., and Robillard.
- Robinet, Hillary, Jr., Arlington, Va., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of water-repellant textiles. 2,402,776; June 25.
- Robins Conveyors Incorporated, assignee: *See*—
- Elliott, Richard B.
- Petterson, Reinhardt.
- Robins, Irving, assignor of one-half to L. Robins, Chicago, Ill. Box. 2,401,064; June 4.
- Robins, Leonard, assignee: *See*—
- Robins, Irving.
- Robinson, Albert P., Seattle, Wash. Fireplace construction. 2,393,812; Jan. 29.
- Robinson, Arthur W., Jr., Schenectady, N. Y., assignor to General Electric Company. Ignition system. 2,392,192; Jan. 1.
- Robinson, Arthur W., Jr., Schenectady, N. Y., assignor to General Electric Company. Ignition spark gap device. 2,404,658; July 23.
- Robinson, Cecil S., New York, N. Y. Vibration absorption support. 2,394,106; Feb. 5.
- Robinson, Cecil S., assignor of one-half to D. H. Robinson, New York, N. Y. Instrument panel mount. 2,410,749; Nov. 5.
- Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in lasting shoes. 2,394,205; Feb. 5.
- Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Device for holding shoe uppers in lasted position. 2,394,206; Feb. 5.
- Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,397,624; Apr. 2.
- Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,409,642; Oct. 22.
- Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,409,643; Oct. 22.
- Robinson Clay Product Company, The, assignee: *See*—
- Hertzell, Emanuel A., and Anderson.
- Robinson, David S., Newburgh, N. Y. Gum clamp. 2,396,203; Mar. 5.
- Robinson, Dorothy H., assignee: *See*—
- Robinson, Cecil S.
- Robinson, E. S. & A. (Canada) Limited, assignee: *See*—
- Richens, Arthur W.
- Robinson, Edward L.: *See*—
- Hume, Patrick H., McGarrity, and Robinson.
- Robinson, Edwin A., Chatham, and R. M. Beach, Newark, assignors to National Oil Products Company, Harrison, N. J. Tanning of leather. 2,401,373; June 4.
- Robinson, Edwin A., Chatham, and R. M. Beach, Florham Park, assignors to National Oil Products Company, Harrison, N. J. Synthetic tanning agent. 2,401,508; June 4.
- Robinson, Edwin A., Chatham, and A. De Castro, Newark, assignors to National Oil Products Company, Harrison, N. J. High-twist artificial yarn production. 2,403,304; July 2.
- Robinson, Elvin B., Gastonia, assignor of one-third to C. J. Costner and one-third to A. W. Kincaid, Bessemer City, N. C. Drawing frame structure. 2,412,357; Dec. 10.
- Robinson, Frank E.: *See*—
- Lorig, Frank W., Miller, and Robinson.
- Robinson, Gerard B., Mount Gilead, Ohio. Nebulizer. 2,396,204; Mar. 5.
- Robinson, Guilford D. and H. M., Daytona Beach, Fla. Toilet seat. 2,401,318; June 4.
- Robinson, Harold A., R. E. Friedrich, and R. S. Spencer, assignors to The Dow Chemical Company, Midland, Mich. Magnesium hydroxide from sea water. 2,405,055; July 30.
- Robinson, Harold E., Astoria, Long Island, N. Y. Carrying apparatus. 2,394,264; Feb. 5.
- Robinson, Harold M.: *See*—
- Robinson, Guilford D. and H. M.
- Robinson, Harry B., Memphis, Tenn. Railroad safety device. 2,392,064; Jan. 1.
- Robinson, Jack D., Painesville, Ohio, and F. J. Myers, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Poly-dispersions containing curable synthetic rubber. 2,400,054; May 7.
- Robinson, James: *See*—
- Herman, Kenneth R., Robinson, and Dietiker.
- Robinson, James, London, England. Radio receiving and transmitting system. 2,396,583; Mar. 19.
- Robinson, James, London, England. Radio receiving and transmitting system. 2,398,884; Mar. 19.
- Robinson, James, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,412,835; Dec. 17.
- Robinson, James D., assignee: *See*—
- Le Roy, Frank.
- Robinson, James P., Tokyo, Japan; vested in the Alien Property Custodian. Medicinal applicator and dispenser. 2,410,460; Nov. 5.
- Robinson, John B., New Haven, Conn. Wig. 2,393,064; Jan. 15.
- Robinson, John E., Glen Ellyn, and P. W. Milleot, Jr., Maywood, Ill., assignors to American Can Company, New York, N. Y. Composition for lining the seams of sheet metal containers. 2,392,412; Jan. 8.
- Robinson, John E., Glen Ellyn, and P. W. Milleot, Jr., Maywood, Ill., assignors to American Can Company, New York, N. Y. Composition for lining the joints of sheet metal containers. 2,395,502; Feb. 26.
- Robinson, John W.: *See*—
- Iler, Ralph K., Latham, and Robinson.
- Robinson, John W., Jr., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicic acid product and producing same. 2,392,767; Jan. 8.
- Robinson, Jonas, Clarke Summit, Pa. Jacquard compensating means. Re. 22,804; Oct. 15.
- Robinson, Joseph, Jr., assignor to Marsh Wall Products, Inc., Dover, Ohio. Sanding machine. 2,405,328; Aug. 6.

- Robinson, Louis, Detroit, Mich. Combination couch and bed. 2,394,969; Feb. 12.
- Robinson, Percy W., Scotia, N. Y., assignor to General Electric Company. Induction motor control system. 2,406,255; Aug. 20.
- Robinson, Preston Williamstown, and S. O. Dorst, assignors to Sprague Electric Company, North Adams, Mass. Electrical resistance element. 2,405,449; Aug. 6.
- Robinson, Ralph C., North Sacramento, Calif. Combination pliers for twisting wire. 2,394,807; Feb. 12.
- Robinson, Robert, and R. H. Cornforth, Oxford, and T. F. West, London, N. I., assignors to Stafford Allen and Sons Limited, London, England. Preparation of substituted homologues of indole. 2,407,452; Sept. 10.
- Robinson, Robert D., assignor to Uxbridge Worsted Co., Inc., Uxbridge, Mass. Crayons for marking textile materials and the like. 2,398,559; Apr. 16.
- Robinson, William J.: See—
- Rodda, John L., and Robinson.
- Robinson, William P., Narberth, Pa. Two-speed power transmission. 2,398,720; Apr. 16.
- Roblin, Richard O., Jr.: See—
- Cole, Quintin F., and Roblin.
- English, Jackson P., Vashana, and Roblin.
- Winnek, Philip S., and Roblin.
- Roblin, Richard O., Jr., Old Greenwich, and P. S. Winnek, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Sulphonamide derivatives of melamine and the production. 2,407,177; Sept. 3.
- Robson, Alan C.: See—
- Lowe, Arthur, and Robson.
- Roechini, Albert G., Aspinwall, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Steam turbine oils. 2,399,510; Apr. 30.
- Roeche, Alleman H., and H. G. Kidner, London, W. C. 2, England, assignors to International Standard Electric Corporation, New York, N. Y. Thermionic feedback amplifier. 2,397,625; Apr. 2.
- Roeche, Austin G., Jr., assignor to Hoffman Specialty Co., Indianapolis, Ind. Temperature controller. 2,404,596; July 23.
- Roeche, Clifton R., Los Angeles, Calif. Transmission control mechanism. 2,394,331; Feb. 5.
- Roché, Jean A., Buckroe Beach, Va. Propeller. 2,399,828; May 7.
- Rophe, Paul C., Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa. Mounting. 2,406,256; Aug. 20.
- Roeche Products Limited, assignee: See—
- Arison, Anthony W. D., Bergel, and Haworth.
- Arison, Anthony W. d'A., Bergel, and Haworth.
- Bergel, Franz, and Cohen.
- Bergel, Franz, Hinder, Morrison, and Rinderknecht.
- Rochester, Nathaniel, South Hamilton, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical protective device. 2,412,751; Dec. 17.
- Rochester Telephone Corporation, assignee: See—
- Vincent, William J., and Talbot.
- Rocheville, Harry D., Los Angeles, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Rivet removing device. 2,409,589; Oct. 15.
- Rock Hill Printing & Finishing Company, assignee: See—
- Broock, John A.
- Rockafellow, Stuart, Flint, assignor to General Motors Corporation, Detroit, Mich. Temperature change compensating means. 2,409,800; Oct. 22.
- Rocker, William P., assignor to Southern Spring Bed Company, Atlanta, Ga. Bottle carrier. 2,404,532; July 23.
- Rockwell, Albert M., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Liquid type vibration damper. 2,411,000; Nov. 12.
- Rockwell, Edward A., West Hartford, Conn. Power intensifier valve. 2,393,252; Apr. 9.
- Rockwell, Edward A., assignor to Pesco Products Co., Cleveland, Ohio. Double check unloading valve. 2,395,941; Mar. 5.
- Rockwell, Edward A., Cleveland, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Accumulating apparatus. 2,406,095; July 16.
- Rockwell, Edward A., Cleveland, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. High-to-low pressure converter. 2,410,750; Nov. 5.
- Rockwell, Edward A., Forest Hills, N. Y., assignor to The New Britain Machine Company, New Britain, Conn. Power unit. 2,405,852; Aug. 13.
- Rockwell, Edward A., Cleveland, and J. M. Roth, Euclid, Ohio, assignors to Pesco Products Co. Unloading double check valve. 2,412,428; Dec. 10.
- Rockwell, Harvey W.: See—
- Nelson, Donald M., and Rockwell.
- Rockwell, Harvey W., assignor to La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Iowa. Earth mover. 2,394,483; Feb. 5.
- Rockwell, Harvey W., assignor to Laplant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Hydraulic system. 2,402,449; June 18.
- Rockwell, John C., Mobile, Ala. Collapsible tube closure. 2,411,058; Nov. 12.
- Rockwell Manufacturing Company, assignee: See—
- Whittaker, Alexander R.
- Wiken, Christy A., and Boehnke.
- Roda Limited, assignee: See—
- Fitzpatrick, Frank L.
- Rodal, Ralph B.: See—
- Schafer, Robert A., and Rodal.
- Rodanet, Charles H. H., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Device for exerting a constant returning torque on a rotatively movable unit. 2,398,448; Apr. 16.
- Rodda, John L., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Alloy. 2,408,341; Sept. 24.
- Rodda, John L., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Alloy. 2,408,342; Sept. 24.
- Roddy, Fred M., Providence, R. I. Dissolving organic solids with organic liquids. 2,396,752; Mar. 19.
- Roddy, Fred M., Providence, R. I. Plasticizing or plasticating plastic materials. 2,404,406; July 23.
- Rode, Friedrich J., Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Progressive drawing press. 2,394,636; Feb. 12.
- Rode, Friedrich J., Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Solenoid controlled valve. 2,408,583; Oct. 8.
- Rodefeld, William H., Richmond, Ind. Self-loading hay conveyance. 2,398,327; Apr. 9.
- Rodefeld, William H., Richmond, Ind. Hay gatherer. 2,405,755; Aug. 13.
- Rodefeld, William H., Richmond, Ind. Hay harvester. 2,405,756; Aug. 13.
- Rodekum, Christian, Baltimore, Md. Game device. 2,396,475; Mar. 12.
- Roder, Frank Z., assignee, et al.: See—
- Andrzejewski, Clara.
- Rodgers, Frank Z., New York, N. Y. Cleaning device. 2,402,577; June 25.
- Rodgers, Frederick W., Pacoima, and A. M. Palmer, Los Angeles, Calif. Sack lifter. 2,404,533; July 23.
- Rodgers, James A., Webster Groves, assignor to Automatic Control Corporation, St. Louis, Mo. Thermostatic switch. 2,392,065; Jan. 1.
- Rodman, Ernest A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizers and making the same. 2,396,129; Mar. 5.
- Rodman, Ernest A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated fabric. 2,404,313; July 16.
- Rodman, Frank A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass structure. 2,408,483; Oct. 1.
- Rodman, Hugh, Oak Park, assignor to Universal Oil Products Company, Chicago, Ill. Multiple stage cyclonic separator. 2,402,847; June 25.
- Rodman, Hugh, Jr.: See—
- O'Brochia, John, and Rodman.
- Rodriguez, Rudolph R.: See—
- Rodriguez, Vincent L., Sr., V. L., Jr. and R. R.
- Rodriguez, Vincent L., Jr.: See—
- Rodriguez, Vincent L., Sr., V. L., Jr., and R. R.
- Rodriguez, Vincent L., Sr., Los Angeles, V. L. Rodriguez, Jr., Maywood, and R. R. Rodriguez, Los Angeles, Calif. Nut meat picking machine. 2,401,437; June 4.
- Roe, Andrew L., Bryan, assignor of one-half to C. Siebenaler, Edon, Ohio. Corn picker. 2,412,358; Dec. 10.
- Roe, Carl, Mineola, N. Y. Airplane. 2,410,239; Oct. 29.
- Roe, Herbert J.: See—
- Wood, David H., and Roe.
- Roe, James, assignor of one-half to A. Kahn, Chicago, Ill. Interlocking building block. 2,392,551; Jan. 8.
- Roe, James, assignor of one-half to A. Kahn, Chicago, Ill. Hollow building block. 2,392,552; Jan. 8.
- Roebeck, John R., Madison, Wis. Thermodynamic process and apparatus. 2,393,338; Jan. 22.
- Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated metal article. 2,406,039; Apr. 20.
- Roedel, Milton J., Talleyville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene polymerization. 2,409,966; Oct. 22.
- Roecker, Dale, Wayne, and E. Nador, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Military vehicle. 2,397,809; Apr. 2.
- Roecker, Dale, Wayne, and E. Nador, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Turret mounting. 2,404,459; July 23.
- Roehm, William A.: See—
- Karfiol, Edward, and Roehm.
- Roehner, William A., assignor to Wenzel Projector Company, Chicago, Ill. Ticket roll holder. 2,411,293; Nov. 19.
- Roehrbach, Raymond E.: See—
- Hartwig, Carl E., and Roehrbach.
- Roehr, Bruno C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Film spool. 2,400,024; May 7.
- Roelen, Otto, and W. Feisst, Oberhausen-Holten, Germany; vested in the Alien Property Custodian. Catalytic benzene synthesis. 2,395,462; Apr. 16.
- Roemer, George R., Mount Johnson, Pa. Manufacture of wire mesh fabric. 2,401,319; June 4.

- Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web splicing apparatus. 2,413,581; Dec. 31.
- Roethel Engineering Corporation, assignee: See—
- Feuerlein, George R.
- Roethel, John H.
- Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window regulator. 2,409,068; Oct. 8.
- Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Window regulator. 2,410,363; Oct. 29.
- Roethel, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Cement manufacture. 2,409,707; Oct. 22.
- Roff, George E., Goodland, Kans. Tire chain. 2,396,532; Mar. 12.
- Rogers, Allan B., Sr., Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Removable and collapsible seating fixture. 2,409,316; Oct. 15.
- Rogers, Arthur O., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monochlorohydantoins and salts thereof. 2,392,505; Jan. 8.
- Rogers, Arthur O., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 1,3-dichloro-5-methyl-2-isobutyl hydantoin and preparation. 2,393,598; Apr. 16.
- Rogers, Arthur O., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinated hydantoins. 2,398,599; Apr. 16.
- Rogers, Arthur O., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinated methylene-bis-dimethyl hydantoin. 2,404,096; July 16.
- Rogers, Arthur O., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer solutions. 2,404,715; July 23.
- Rogers, Arthur O., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer solutions. 2,404,725; July 23.
- Rogers, Clifford R., Oak Park, W. O., Bechman, Chicago, and J. F. Ziskal, Cicero, Ill., assignors to International Harvester Company. Clutch control. 2,409,515; Oct. 15.
- Rogers Diesel and Aircraft Corporation, assignee: See—
- Hall, Edwin S.
- Rogers, Dilworth T.: See—
- McNab, John G., and Rogers.
- Rogers, Dilworth T., Plainfield, N. J., assignor to Standard Oil Development Company. Compounded lubricant. 2,405,607; Aug. 13.
- Rogers, Dilworth T., Plainfield, N. J., assignor to Standard Oil Development Company. Compounded lubricant. 2,405,608; Aug. 13.
- Rogers, Dilworth T., Teaneck, and H. Feldhusen, Jr., North Plainfield, N. J., assignors to Standard Oil Development Company. Sulphides of alkylated phenols. 2,398,253; Apr. 9.
- Rogers, Dilworth T., Plainfield, N. J., G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,406,564; Aug. 27.
- Rogers, Dilworth T., Teaneck, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Sulfur and metal containing compound. 2,409,687; Oct. 22.
- Rogers, Donald H., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical regulating device. 2,409,151; Oct. 8.
- Rogers, Donald H., and V. Schilha, Fanwood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Device for adjustably spacing members. 2,398,721; Apr. 16.
- Rogers, Douglas C., assignor to Standard Telephones and Cables Limited, London, England. Electric wave filter. 2,411,555; Nov. 26.
- Rogers, Edward: See—
- Folkers, Karl, Rogers, and Heal.
- Rogers, Edwin W., and R. Alexandria Bay, N. Y. Meat grinder attachment. 2,406,105; Aug. 20.
- Rogers, Eli M., assignor to United Aircraft Products, Inc., Dayton, Ohio. Tube leakage testing machine. 2,398,328; Apr. 9.
- Rogers, Fielding P.: See—
- Lowry, Edwin F., and Rogers.
- Rogers, George K.: See—
- Kline, Theodore S., and Rogers.
- Rogers, Gerrit P., Windsor, assignor of one-fourth to S. H. Pearis, Binghamton, N. Y. Slotted airplane wing. 2,406,475; Aug. 27.
- Rogers, Harry, assignee: See—
- Mellen, William F., Clasen, and Rogers.
- Rogers, Howard G., Brookline, Mass., assignor to Polaroid Corporation, Dover, Del. Light polarizer and manufacture. 2,398,506; Apr. 16.
- Rogers, Howard G., Wellesley Hills, assignor to Polaroid Corporation, Cambridge, Mass. Molding apparatus. 2,404,314; July 16.
- Rogers, Howard G., Wellesley Hills, assignor to Polaroid Corporation, Cambridge, Mass. Polymerizing apparatus and method. 2,406,403; Aug. 27.
- Rogers, Howard G., Wellesley Hills, Mass., and D. P. Cooper, Jr., Washington, D. C., assignors to Polaroid Corporation, Cambridge, Mass. Method of molding plastics. 2,409,953; Oct. 22.
- Rogers, James: See—
- Grouse, Richard A., and Rogers.
- Rogers, John H., and H. E. Luebbers, Fort Dodge, Iowa. Loading machine. 2,398,964; Apr. 23.
- Rogers Majestic Corporation, assignee: See—
- Fisher, Sidney T.
- Rogers, Maurice A.: See—
- Mendoza, Mordecai, and Rogers.
- Rogers, Maurice A. T.: See—
- Goodings, Eric P., and Rogers.
- Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of new coloring matters. 2,407,346; Sept. 10.
- Rogers, Raymond: See—
- Rogers, Edwin W. and R.
- Rogers, Raymond B., Portland, Oreg. Airport. 2,400,841; May 2.
- Rogers, Thomas H., Jr., assignor to Wingfoot Corporation, Akron, Ohio. Dispersions and their use. 2,396,607; Mar. 12.
- Rogers, Thomas H., Chicago, and J. S. Wallace, Hammond, assignors to Standard Oil Company, Chicago, Ill. Stabilized oil emulsions. 2,396,607; Mar. 12.
- Rogers, Thomas H., Chicago, and J. S. Wallace, Hammond, assignors to Standard Oil Company, Chicago, Ill. Stabilized oil emulsions. 2,396,607; Mar. 12.
- Rogers, Walter E.: See—
- Nye, Norman H., and Rogers.
- Roggan, Francis J., Buffalo, N. Y. Hand generator. 2,393,813; Jan. 29.
- Rogge, Marlon A., Detroit, Mich. Heated nasal inhaler. 2,410,903; Nov. 12.
- Roggenshein, Edwin O., Utica, assignor to Remington Rand Inc., Buffalo, N. Y. Recording and computing machine. 2,412,537; Dec. 10.
- Roggie, William C.: See—
- Negovan, Albert, Stratton, and Roggie.
- Rogovin, Moses, New York, N. Y. Producing a shellac substitute. 2,396,608; Mar. 12.
- Rohdin, Howard A., Glen Ridge, N. J. Method and apparatus for heat sealing. 2,392,695; Jan. 8.
- Rohdin, Howard A., Glen Ridge, N. J. Bag and making same. 2,401,110; May 28.
- Rohlin, Howard A., assignor to M. M. Rohdin, Glen Ridge, N. J. Double-ended bag and making same. 2,401,109; May 28.
- Rohlin, Marjorie M., assignee: See—
- Rohlin, Howard A.
- Röhm & Haas Company, assignee: See—
- Bock, Louis H., and Houk.
- Bock, Louis H., Johnson, and Armstrong.
- Bortnick, Newman M.
- Bruson, Herman A.
- Bruson, Herman A., and Butler.
- Bruson, Herman A., and Rlenner.
- Butterbaugh, Darrel J., and Spence.
- Cummings, George H., Sweeney, and Fenske.
- Fenske, Merrell R., and Cummings.
- Green, Edmund, and Pearson.
- Glurum, Silver N., and Thomas.
- Hester, William F.
- Hester, William F., and Craig.
- Hiltner, James R., and Berlinghof, Jr.
- Hurd, Loren C.
- MacMullen, Clinton W.
- MacMullen, Clinton W., and Bruson.
- Sweeney, William J., Fenske, and Cummings.
- Rohn, William C.: See—
- Wisman, F. O., and Rohn.
- Rohr Aircraft Corporation, assignee: See—
- Estes, Donald H.
- Gross, Bernard, and Cornwall.
- Lacey, Elbert M.
- Rohr, Frederick H.
- Rohr, Frederick H., San Diego, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Wrench. 2,394,808; Feb. 12.
- Rohulick, Charles, Scranton, Pa. Parachute. 2,404,659; July 2.
- Roland, John R.: See—
- Hanford, William E., and Roland.
- Hawk, Benjamin W., Roland, and Hoehn.
- Roland, John R., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrolyzed polymers. 2,399,653; May 7.
- Roland, John R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated glass. 2,400,139; May 14.
- Rolfes, Fritz H., Johannesburg, Transvaal, Union of South Africa. Device for recessing blasting cartridges for insertion of detonators and of detonator-retaining clips. 2,398,857; Apr. 23.
- Rolfes, Hans J., Melrose, Johannesburg, Transvaal, Union of South Africa. Safeguarding electric igniters of blasting detonators against accidental firing. 2,408,124; Sept. 24.
- Rolfes, Hans J., Melrose, Johannesburg, Transvaal, Union of South Africa. Safeguarding electric igniters of blasting detonators against accidental firing. 2,408,125; Sept. 24.

- Rolfes, Hans J., Melrose, Transvaal, and E. C. Halliday, Parktown North, Transvaal, Union of South Africa. Firing means. 2,411,339; Nov. 19.
- Rolison, Ray W.: *See*—
Sargent, Donald E., and Rolison.
- Rolker, Edwin, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Article handling apparatus. 2,404,460; July 23.
- Roller, Paul S., Cheverly, Md. Purification of aluminum sulphate. 2,402,686; June 25.
- Rollin, Harvey G., assignor to Deere & Company, Moline, Ill. Clutch adjusting mechanism. 2,408,884; Oct. 8.
- Rollins, Fitzhugh S., Jr.: *See*—
Batchelder, Augustus H., and Rollins.
- Rollins, Leonard E., Minneapolis, Minn. Moist air heating and cooling system. 2,392,553; Jan. 8.
- Rollins, Leroy W., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Reinforced sole. 2,395,582; Feb. 26.
- Rollinson, Carl L., Dayton, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,403,459; July 9.
- Rollow, Douglas K., Los Angeles, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Snap-in connector block. 2,402,578; June 25.
- Rolls-Royce Limited, assignee: *See*—
Griffith, Alan A.
- Rolosen, Ruby R., Los Angeles, Calif. Gluing stand. 2,396,385; Mar. 19.
- Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Down lighting apparatus. 2,398,507; Apr. 16.
- Rolscreen Company, assignee: *See*—
Kuyper, Peter H.
- Rolyan Corporation, assignee, et al.: *See*—
Eklund, Howard J.
- Romain, Fred, Chester, Mont. Horn weight. 2,408,956; Oct. 8.
- Romanchuk, Nicholas A.: *See*—
King, William N., Ward, and Romanchuk.
- Romander, Hugo, North Caldwell, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Distortion reduction on modulated amplifiers. 2,393,709; Jan. 29.
- Romander, Hugo, North Caldwell, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Prevention of distortion. 2,393,936; Jan. 29.
- Romanelli, Emilio: *See*—
Hall, Roy D., and Romanelli.
- Romanow, Frank F.: *See*—
Black, Robert Jr., and Romanow.
Goodale, Walter D., Jr., and Romanow.
Harry, William R., and Romanow.
- Romons, Isabelle B., New York, N. Y. Disinfecting system for swimming pools. 2,400,439; May 14.
- Romborg, Raymond A., Orange, Conn. Welding shield or the like. 2,410,306; Oct. 29.
- Rome Cable Corporation, assignee: *See*—
McCutchan, George L.
- Rome Plow Company, assignee: *See*—
McKay, Augusta P.
- Romero, Albert R., Tucson, Ariz. Permanent safety lock device for bicycles and the like. 2,406,257; Aug. 20.
- Romig, Gerald C.: *See*—
Douty, Alfred, and Romig.
- Romme, William S., Stamford, Conn. Necktie. 2,408,885; Oct. 8.
- Rommel, William G., Playa Del Rey, assignor to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. Method and means for testing tubes. 2,394,875; Feb. 12.
- Ronay, Bela, Annapolis, Md. Subaqueous arc-welding and cutting electrode. 2,410,461; Nov. 5.
- Rondel, Victor L.: *See*—
Lalco, Joseph P., and Rondel.
- Rondel, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making hermetic seals. 2,398,449; Apr. 16.
- Rones, Harvey C., Astoria, Oreg. Manufacture of lenses for eyeglasses. 2,399,706; May 7.
- Rood, Wilbur M., Jr., Painted Post, N. Y. Container. 2,396,346; Mar. 12.
- Roof, Jay L., Hamburg, N. Y. Metal heating or melting furnace. 2,397,810; Apr. 2.
- Rooksby, Harold P.: *See*—
Noble, Sidney H., and Rooksby.
- Rooney, James H.: *See*—
Dreyfus, Henry, Walker, and Rooney.
- Roop, Elston A., assignor of one-half to J. L. Pratt, Louisville, Ky. Pipe-shearing mechanism. 2,397,048; Mar. 19.
- Roop, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Crankcase ventilation system and apparatus. 2,407,178; Sept. 3.
- Rosen, H. D., Company Inc., assignee: *See*—
Bernstein, Isidor M.
- Root, Charles F., assignor to The Chandler & Price Company, Cincinnati, Ohio. Register operating mechanism. 2,396,390; Mar. 12.
- Root, John J.: *See*—
Wells, Franklin H., and Root.
- Root, Le Roy P., Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. 2,393,568; Jan. 22.
- Root Manufacturing Company, The, assignee: *See*—
Root, Ralph R.
- Root, Ralph R., Lakewood, assignor to The Root Manufacturing Company, Cleveland, Ohio. Dusting apparatus. 2,396,533; Mar. 12.
- Root, S. Earl, assignee: *See*—
McDonald, William J.
- Roper, Edwin E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Geochemical prospecting. 2,395,014; Feb. 19.
- Roper, Edwin E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Ionic analysis. 2,412,359; Dec. 10.
- Roper, Geo. D., Corporation, assignee: *See*—
Hennessy, John F., and Thulander.
Hobson, Stanley H.
- Pellegrin, Elmer D., and Hennessy.
- Roper, John M., Washington, D. C. Airplane light. 2,391,922; Jan. 17.
- Roper, Val J., South Euclid, Ohio, assignor to General Electric Company. Headlight indicator. 2,403,123; July 2.
- Rosa, Anthony G., Lyndhurst, N. J. Electrode contact assembly. 2,401,509; June 4.
- Rosa, Laszlo, Budapest VIII., and I. Zakariás, Budapest VII, Hungary; vested in the Allen Property Custodian Apparatus Trust for the recording of slow processes. 2,409,317; Oct. 15.
- Rosa, Leonard J., assignee: *See*—
Porter, Gilbert E.
- Rosas, Pedro E., Piedras Negras, Mexico. Exhaust silencer. 2,402,037; June 11.
- Rosan, Joseph, North Hollywood, Calif. Insert. 2,400,318; May 14.
- Rosin, Joseph, North Hollywood, Calif. Removing and replacing inserts. 2,407,904; Sept. 17.
- Roach, Samuel J., Yonkers, N. Y., assignor to Anaconda Wire and Cable Company. Oil-filled electrical apparatus. 2,405,853; Aug. 13.
- Rose, Albert, East Orange, N. J., assignor to Radio Corporation of America. Target electrode for electron discharge tubes. 2,403,239; July 2.
- Rose, Albert, East Orange, N. J., assignor to Radio Corporation of America. Television transmitting apparatus and operation. 2,407,903; Sept. 17.
- Rose, Albert, East Orange, N. J., assignor to Radio Corporation of America. Low velocity television transmitting apparatus. 2,407,906; Sept. 17.
- Rose, Andrew G.: *See*—
Webb, Jervis B., and Rose.
- Rose, Bennie A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frameless dynamoelectric machine. 2,393,065; Jan. 15.
- Rose, Bennie A., Wilkinsburg, and F. B. Powers, Pittsburgh 16, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Supercharged collector-ring assembly. 2,393,066; Jan. 15.
- Rose Brothers (Gainsborough) Limited, assignee: *See*—
Rice, Edward A. B., Rose, and Curtis.
- Rose, Edwin L., Tweedie, V. Thomas, and E. M. Frankland, assignors to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,402,777; June 25.
- Rose, Francis L.: *See*—
Broadbent, W., and Rose.
- Rose, George M., Jr., East Orange, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,412,836; Dec. 17.
- Rose, Harri C., Franklin, Nebr. Battery pack. 2,396,534; Mar. 12.
- Rose, Harold J.: *See*—
Vanderbilt, Byron M., and Rose.
- Rose, Henry F.: *See*—
Polson, Charles L., and Rose.
- Rose, Herbert A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,394,013; Feb. 5.
- Rose, James R., Arlington, Va., assignor to Potomac Hydrocarbon Process Corporation, Washington, D. C. Manufacture of liquid hydrocarbons suitable for motor fuel. 2,412,837; Dec. 17.
- Rose, Vernon L., Sacramento, Calif. Sharpener for beveled-edge tools. 2,398,560; Apr. 16.
- Roseberry, William A., Fort Wayne, Ind. Drill grinder attachment for machine tools. 2,400,783; May 21.
- Rosebrook, Homer E., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Refrigerator. 2,409,069; Oct. 8.
- Rosebrook, Homer E., and H. F. Powell, assignors, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Refrigerator. 2,408,582; Oct. 1.
- Roseby, Philip N., Southport, and J. F. Mackenzie, Chester, England, assignors to Automatic Electric Laboratories, Inc. Electrical signaling system. 2,402,258; June 18.
- Rosefield, Jerome M.: *See*—
Rosefield, Joseph L., J. M., and M. Alameda, Calif. Peanut butter and manufacturing the same. 2,397,564; Apr. 2.

- Rosefield, Joseph L., Laguna Beach, and F. L. Avera, Oakland, Calif. Rendering flavors accessible in nut butters and the product obtained thereby. 2,402,915; June 25.
- Rosefield, Marvin: See—
- Rosefield, Joseph L., J. M., and M.
- Roselund, Harold A., assignor to The De Vilbiss Company, Toledo, Ohio. Fog generator. 2,392,883; Jan. 15.
- Roseman, Reuben, and H. Eilsenberg, assignors, by mesne assignments, to C. H. Burton, Baltimore, Md. Gastro-intestinal magnesium silicate medicament. 2,394,107; Feb. 5.
- Roseman, Zoltan, Cleveland, Ohio. Distributing conveyor. 2,404,883; July 30.
- Rosen, Carl G. A., Peoria, and C. R. Maxwell, Washington, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Internal-combustion engine. 2,398,191; Apr. 9.
- Rosen, Leo, Arlington, Va. Rotor. 2,402,182; June 18.
- Rosen, Oscar E., Detroit, Mich. Hydraulic motor. 2,393,223; Jan. 15.
- Rosen, Raphael, E. and O. C. Slotterbeck, Rahway, N. J., assignors to Standard Oil Development Company. Polymerization of hydrocarbons. 2,396,753; Mar. 19.
- Rosen, Sidney, Baltimore, Md. Measuring device. 2,410,552; Nov. 5.
- Rosenberg, Edgar N., Salt Lake City, Utah. Automatic overhead door. 2,402,295; June 18.
- Rosenberg, Edgar N., Salt Lake City, Utah. Overhead door operating mechanism. 2,402,296; June 18.
- Rosenberg, Hans R.: See—
- Rosenberg, Walter. Rosenberg, and Terry.
- Rosenberg, Hans R., Wilmington, Del., and D. H. Terry, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Steroid derivatives. 2,393,067; Jan. 15.
- Rosenberg, Martin, Brooklyn, and M. Cohen, Jamaica, N. Y., now, by judicial change of name, Matthew Conrad. Machine for statistical computations. 2,401,021; May 28.
- Rosenberger, Albert J.: See—
- Yellott, John I., Ackley, and Rosenberger.
- Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Pressure reproducing instrument. 2,405,979; Aug. 20.
- Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Pressure responsive measuring instrument. 2,408,685; Oct. 1.
- Rosenberger, Harold J., Rockville Centre, assignor to All America Cables & Radio Inc., New York, N. Y. Automatic code transmitting telegraph system. 2,397,204; Mar. 26.
- Rosenberger, Harold J., Rockville Centre, assignor to All America Cables & Radio Inc., New York, N. Y. Automatic code receiving telegraph system. 2,398,115; Apr. 9.
- Rosenblatt, Manfred, Kew Gardens, N. Y. Display device and household rack. 2,398,858; Apr. 23.
- Rosenbloom, Irving, assignor to Renewal Manufacturing Co., Inc., New York, N. Y. Safety grater. 2,405,056; July 30.
- Rosenblum, Carl: See—
- O'Connell, Robert J., Cohen, and Rosenblum.
- Rosenblum, Solomon, Princeton, N. J., assignor to Canadian Radium & Uranium Corporation, New York, N. Y. Switch. 2,399,061; Apr. 23.
- Rosenboom, Gustaf H., Kalama, Wash. Pipe cutting and tenoning machine. 2,407,101; Sept. 3.
- Rosenfeld, Nathan, Los Angeles, Calif. Tent. 2,393,415; Jan. 22.
- Rosenlund, Harald T. C., New York, N. Y. Stencil set. 2,402,340; June 18.
- Rosenquist, Edward N., Oakwood, and R. W. Sudhoff, Van Buren Township, Montgomery County, Ohio, assignors to Monsanto Chemical Company. Alkylation of benzene. 2,403,124; July 2.
- Rosenqvist, Sven O., Rotebro, assignor to Svenska Jästafrabriks Aktiebolaget, Stockholm, Sweden. Extracting or expelling water and other liquids from yeast suspensions. 2,397,436; Mar. 26.
- Rosenstein, Aaron, New York, and H. Dolan, Brooklyn, assignors to Rosenstein Bros., New York, N. Y. Making insulated wire. 2,405,057; July 30.
- Rosenstein Bros.: See—
- Rosenstein, Aaron, and Dolan.
- Rosenstiel, Fritz E., Westfield, N. J., assignor to The Texas Company, New York, N. Y. Lubrication as applied to the processing of aluminum and aluminum alloys. 2,403,238; July 2.
- Rosenthal, Adolph H., assignor, by mesne assignments, to Seophony Corporation of America, New York, N. Y. Television receiving system. Re. 22,734; Mar. 19.
- Rosenthal, Dunbar A.: See—
- Winter, Courtney P., and Rosenthal.
- Rosenthal, Fritz, Indianapolis, Ind., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Process relating to the production of board and the product resulting therefrom. 2,412,652; Dec. 17.
- Rosenthal, Harry, Belle Harbor, N. Y. Electrical jumper for short circuiting the contacts of fluorescent lamp sockets. 2,410,364; Oct. 29.
- Rosenthal, Nathan, Newton, Mass. Shank stiffener. 2,403,950; July 16.
- Rosenthal, Nina K., assignor, by mesne assignments, to Ninol Development Co., Chicago, Ill., a co-partnership consisting of M. D., T., and G. Kritchevsky, N. K. Rosenthal, G. Krit, and C. M. Tower. Absorption bases. 2,398,254; Apr. 9.
- Rosenthal, William C., and C. A. Hubert, Chicago, Ill., assignors to International Harvester Company. Implement attaching device. 2,409,516; Oct. 15.
- Rosentreter, Ernest W., Lynn, Mass., assignor to General Electric Company. Saw-tooth wave generator. 2,412,063; Dec. 3.
- Rosett, Walter, Washington, D. C., assignor to the United States of America, as represented by the Secretary of the Navy. Telescope for receiving and detecting ultra-violet light. 2,401,191; May 28.
- Rosinski, Robert J., New York, Mills, N. Y. Clothesline tightener. 2,403,553; July 9.
- Roskilly, Charles, Burbank, Calif. Testing device adapter for conventional flashlights. 2,413,321; Dec. 31.
- Rossmitt, John A., Appleton, assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Pulp stock flow control. 2,410,526; Nov. 5.
- Rosner, Irving, assignor to Even-Pul Foundations, Inc., New York, N. Y. Corset. 2,405,711; Aug. 13.
- Ross, Boris J., New York, N. Y. Calculating instrument. 2,403,614; July 9.
- Ross, David J., Benton Harbor, Mich. Lamp shade holder. 2,394,108; Feb. 5.
- Ross, De Witt T., Jr., North Hollywood, Calif. Cockpit shield. 2,403,195; July 2.
- Ross, Earl G., Los Angeles, and C. B. Wilde, Compton, Calif., assignors to Stauffer Chemical Company. Treating acid sludge. 2,395,503; Feb. 26.
- Ross, Elliott P.: See—
- Ford, Hannibal C., and Ross.
- Tear, James D., and Ross.
- Ross, Elliott P., Forest Hills, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Computing apparatus. 2,397,811; Apr. 2.
- Ross, Elliott P., Forest Hills, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Torpedo director. 2,402,083; June 11.
- Ross, Elliott P., Forest Hills, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Gyroscopic apparatus. 2,405,058; July 30.
- Ross, Hollis R., assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Curtain rod or fixture. 2,402,507; June 18.
- Ross, John D., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Altering record material. 2,396,391; Mar. 12.
- Ross, John E.: See—
- Coyne, Howard L., Kuhn, and Ross.
- Ross, Lester B., Ottawa, Kans. Power lifting apparatus. 2,394,809; Feb. 12.
- Ross, Ralph T., Grass Valley, Calif. Hairpin. 2,394,484; Feb. 5.
- Ross, Walter F., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear finishing tool of forged annular construction. 2,392,002; Jan. 1.
- Ross, Walter F., assignor to Motor Tool Manufacturing Company, Detroit, Mich. Form tool. 2,396,289; Mar. 12.
- Ross, Walter F., assignor to Motor Tool Manufacturing Company, Detroit, Mich. Form tool chip breaker generating fixture. 2,405,609; Aug. 13.
- Ross, Walter F., Oakland County, assignor to Motor Tool Manufacturing Company, Detroit, Mich. Form tool generating fixture. 2,412,653; Dec. 17.
- Ross, William A., assignor to Weaver Manufacturing Company, Springfield, Ill. Load lifter. 2,402,579; June 25.
- Ross, William B., Evanston, and K. Boldt, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Pneumatic motor fuels. 2,392,949; Jan. 15.
- Ross, William E.: See—
- Crawford, Chester C., and Ross.
- McAllister, Sumner H., Anderson, and Ross.
- Ross, William E., Berkeley, and G. J. Carlson, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Catalytic hydrocarbon conversion process. 2,393,569; Jan. 22.
- Ross, William E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of branched chain hydrocarbons. 2,394,810; Feb. 12.
- Ross, William E., Berkeley, and P. Pezzaglia, Oakland, assignor to Shell Development Company, San Francisco, Calif. Simultaneously isomerizing and separating cycloparaffins from acyclic paraffins by means of an aluminum halide-hydrocarbon complex. 2,400,390; Oct. 15.
- Ross, William E., Berkeley, and G. J. Carlson, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Isomerizing hydrocarbons. 2,411,835; Nov. 26.
- Rossander, Swanie S.: See—
- Renzolds, William B., and Rossander.
- Rossell, William T., assignor to Transic Research Corporation, New York, N. Y. Brake shoe. 2,407,035; Sept. 3.
- Rossi, Carlo: See—
- Albright, Otto, Graenacher, Sallmann, and Rossi.
- Rossi, Irving: See—
- Lawlor, Martin T.

- Rossi, Irving, assignee, trustee: *See*—
Thomas, Harry W.
- Rossi, Peter, Brooklyn, assignor to Joseph W. Yellen, New York, N. Y. Turbuckle. 2,403,042; July 2.
- Rossig, Nelson L.: *See*—
Paulus, Leo J., and Rossig.
- Rossiter, Laurence E., Kearny, and R. M. Beach, Florham Park, assignors to National Oil Products Company, Harrison, N. J. Production of high twist artificial yarns. 2,403,305; July 2.
- Rossiter, Wayne F., San Rafael, Calif. Model airplane. 2,396,886; Mar. 19.
- Rossiter, William D., Toledo, Ohio. Sealing means for doors. 2,401,905; June 11.
- Rossman, Allen M., Wilmette, Ill. Two-cycle engine. 2,408,448; Oct. 1.
- Rossman, Peter F., Snyder, N. Y., assignor to Curtiss-Wright Corporation. Wing folding means. 2,392,506; Jan. 8.
- Rossvall, Axel E., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Device for counting of paper leaves made up into packets. 2,393,814; Jan. 29.
- Rost, Helge P., Djursholm, and P. H. E. Claesson, Jakobsberg, Sweden. Magnetostrictive oscillator. 2,398,117; Apr. 9.
- Rost, Helge P., Djursholm, K. H. Thunell, Nockeby, S. D. Vigen, Stockholm, and P. H. E. Claesson, Jakobsberg, Sweden. Aerial drop bomb. 2,407,939; Sept. 17.
- Rost, Helge P., Djursholm, K. H. Thunell, Nockeby, S. D. Vigen, Stockholm, and P. H. E. Claesson, Jakobsberg, Sweden. Self-tracking radio direction and distance device. 2,409,448; Oct. 15.
- Rost, Helge P., Djursholm, P. H. E. Claesson, Jakobsberg, and R. A. Svensson, Angby, Sweden. Projectile. 2,412,695; Dec. 17.
- Rostagno, Karl Z., Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Sorting device. 2,393,329; Apr. 9.
- Rostler, Fritz S., H. W. Sternberg, and H. I. du Pont, assignors to Wilmington Chemical Corporation, Wilmington, Del. Preparing sulphur containing compound agent for rubber. 2,399,694; May 7.
- Rostler, Fritz S., V. M. Wilson, and H. I. du Pont, assignors to Wilmington Chemical Corporation, Wilmington, Del. Production of unsaturated hydrocarbon products. 2,410,839; Nov. 12.
- Rostoker, Louis: *See*—
Finn, Alfred.
- Rotary Machine Company, Inc., assignee: *See*—
Christiansen, Christian.
- Rotary Research Corporation, assignee: *See*—
Platt, Hayland H.
- Platt, Hayland H., and Le Page.
- Rotax Limited, assignee: *See*—
Hulbert, Ivan J.
- Millins, Terence W.
- Roters, Herbert C., Roslyn Heights, N. Y., assignor to Fairchild Camera and Instrument Corporation. High-speed release system. 2,402,580; June 25.
- Roters, Herbert C., Roslyn, N. Y., assignor to Fairchild Camera and Instrument Corporation. Electrical position indicating system. 2,403,152; July 2.
- Roth, Clayton H.: *See*—
Harrer, Paul H., and Roth.
- Roth, Ernst, Niederuzwil, assignor to Gebrüder Buhler, Uzwil, Switzerland. Roller drive for roller mills. 2,394,485; Feb. 5.
- Roth, Eugene, assignee, et al.: *See*—
Schonthal, Leopold.
- Roth, Fremont N., Twin Falls, Idaho. Trailer hitch. 2,394,207; Feb. 5.
- Roth, Jay M.: *See*—
Rockwell, Edward A., and Roth.
- Roth, Joseph, Bronx, N. Y. Apparatus for firing pressed fuel. 2,407,849; Sept. 17.
- Roth, Joseph N., Belding, assignor, by mesne assignments, to Montclair, Incorporated, Greenville, Mich. Refrigrant controlling and expansion apparatus. 2,413,386; Dec. 31.
- Roth, Willard, Wilksburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotary hearth furnace. 2,404,986; July 30.
- Rou, William A., St. Paul, Minn. Piston. 2,406,258; Aug. 20.
- Roth, William A., St. Paul, Minn. Piston. 2,406,511; Aug. 27.
- Rothacker, Edward C., Chicago, Ill. Power pulley. 2,399,451; Apr. 30.
- Rotheraine, Jerome H., Philadelphia, Pa. Key holder. 2,402,347; June 18.
- Rothfeld, Charles W.: *See*—
Milone, Samuel, and Rothfeld.
- Rothkranz, William C., Bronx, N. Y. Dental precision bridge device. 2,411,001; Nov. 12.
- Rothrock, Henry S.: *See*—
Richter, Henry J.
- Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous reaction products of Polyhydric alcohols and alpha-methylene aldehydes. 2,401,776; June 11.
- Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing cellulosic structures. 2,406,905; Sept. 3.
- Rothrock, Henry S., and W. H. Wood, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanizable composition. 2,397,372; Mar. 26.
- Rothweiler, Charles L., Milwaukee, Wis. Coat hanger. 2,409,708; Oct. 22.
- Rothweiler, Charles O., Milwaukee, Wis. Level. 2,408,343; Sept. 24.
- Rothweiler, Valentine W., Greenup, Ill. Shoe. 2,394,718; Feb. 12.
- Rotkel, Lilly K., New York, N. Y. Crochet handbag. 2,393,268; Jan. 22.
- Rotol Limited, assignee: *See*—
Chilman, John A.
- Rotter, Arthur, Harry L. Owner, Frank M. Price, Peter R.
- Roberts, William H.
- Roto-Matic Screen Printer, Ltd., assignee: *See*—
Fleisher, Harry, and Tillett.
- Rotter, Lutwin C.: *See*—
Fox, Alexander P., Rotter, and Klein.
- Reisert, August D., and Rotter.
- Rotter, Lutwin C., Maplewood, and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Pump. 2,394,486; Feb. 5.
- Rotter, Lutwin C., Maplewood, and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Valve. 2,394,487; Feb. 5.
- Rotter, Lutwin C., Maplewood, and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,394,488; Feb. 5.
- Rotter, Lutwin C., Maplewood, and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Hydraulic circuit apparatus. 2,399,573; Apr. 30.
- Rotter, Lutwin C., Maplewood, and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Reciprocating engine. 2,404,815; July 16.
- Rottendorn, F., Seattle, Wash. Micrometer. 2,402,778; June 25.
- Rouault, George F.: *See*—
White, Claron N., Schwartz, and Rouault.
- Rouault, George F., Whiting, Ind., and H. D. Rhodes, assignors to Standard Oil Company, Chicago, Ill. Hydroxamic acids. 2,397,508; Apr. 2.
- Rougier, Harry J., Dayton, Ohio. Off-peak hot-water heater. 2,407,453; Sept. 10.
- Rouloux, Alfred J., Quincy, Mass. Air compressor. 2,404,660; July 23.
- Rounds, Louis D., Toledo, Ohio. Lock nut and bolt. 2,398,965; Apr. 23.
- Roup, Roland R.: *See*—
Ehler, George M., and Roup.
- Rouse, Anita A. C., Florham Park, N. J. Piano action protector. 2,403,196; July 2.
- Rouse, John W., Little Falls, N. Y., and W. D. Moore, Kansas City, Mo., assignors to Remington Arms Company, Bridgeport, Conn. Tool grinding machine. 2,402,089; June 11.
- Routson, Willis G., Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif. Corrosion protection of metals. 2,411,593; Nov. 26.
- Routt, Arthur, Dundas, Ill. Roof. 2,399,891; May 7.
- Rony, Auguste L. M. A., New York, N. Y., assignor to The Gyro-Balance Company, Greenwich, Conn. Method and apparatus for balancing. 2,399,255; Apr. 30.
- Rovick, John D., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Machine element. 2,401,192; May 28.
- Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Overhead door construction. 2,412,910; Dec. 17.
- Rowe, Donald C., Snyder, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane wing contour gauge. 2,394,489; Feb. 5.
- Rowe Manufacturing Corporation, assignee: *See*—
Rowe, Alvin V.
- Rowe, Robert G.: *See*—
Robie, Norman P., and Rowe.
- Rowe, Robert G., Niagara Falls, N. Y. Electronic amplifier and modifier. 2,406,565; Aug. 27.
- Rowe, Robert G., and J. P. Goufert, assignors to The Carborundum Company, Niagara Falls, N. Y. Coating apparatus. 2,402,183; June 18.
- Rowe, William W., Cincinnati, assignor to Cincinnati Industries Inc., Lockland, Ohio. Creeping of webs with thin coatings of creeping adhesive. 2,399,256; Apr. 30.
- Rowe, William W., Cincinnati, Ohio, assignor to Cincinnati Industries, Inc. Web of stretchable material and bag made therefrom. 2,405,521; Aug. 6.
- Rowland, Arthur M., Graham, Tex. Pipe wrench. 2,405,757; Aug. 13.
- Rowland, Davidge H., Sewickley, Pa. Producing insulators. 2,395,295; Feb. 19.
- Rowlands, Thomas, Atricham, England, assignor to Lino-type and Machinery Limited. Apparatus for separating sheets from piles. 2,395,644; Feb. 26.
- Rowledge, Arthur J., Derby, and T. Shelley, Breaston, England. Jet propulsion power unit. 2,400,714; May 21.
- Rowley, Cecil C., and L. C. Walgren, Wauneta, Nebr. Grain bender. 2,406,566; Aug. 27.
- Rowley, Kennard A., Coventry, England. Engine cooling system. 2,401,510; June 4.

- Roy, Loyd, assignee: *See*—
Potter, Goral O.
- Roy, Nereus H., Glenbrook, Conn., and J. L. Bisesl, Floral Park, N. Y., assignors to The Budd Company, Philadelphia, Pa. Strain measuring and load controlling apparatus. 2,411,139; Nov. 12.
- Roy, Thomas, Grand Falls, New Brunswick, Canada. Rail joining and separating device. 2,398,116; Apr. 9.
- Royal Lace Paper Works, assignee: *See*—
Karfol, Edward, and Rosch.
- Royal, Ralph M., assignor to United Shoe Machinery Corporation, Boston, Mass. Apparatus for cement-attaching soles to shoes. 2,398,040; Apr. 9.
- Royal Typewriter Company, Inc., assignee: *See*—
Handley, George F.
- Wendt, Frederick C.
- Royce, Oldric, New York, N. Y. Shoulder perfectioner. 2,400,210; May 14.
- Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio antenna system. 2,393,656; Jan. 29.
- Royer, George L., and E. I. Stearns, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Apparatus for fluid treating under controlled conditions. 2,405,167; Aug. 6.
- Roys, Henry E., Indianapolis, Ind., assignor to Radio Corporation of America. Method of and system for recording audio-frequency waves. 2,400,953; May 28.
- Rozner, Joseph J., assignor to Aetna Ball Bearing Manufacturing Company, Chicago, Ill. Ball bearing. 2,403,460; July 9.
- Ruan, Félix F.: *See*—
Mollins, Desmond W., and Ruan.
- Ruan, Félix F., Deptford, London, assignor to Mollins Machine Company Limited, London, England. Ordinance. 2,402,581; June 25.
- Rubatex Products, Inc., assignee: *See*—
Bascom, Roger C., and Roberts.
Pfeumer, Hans.
- Roberts, Dudley.
- Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,400,602; May 21.
- Rubel, Charles F., and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,398,667; Apr. 16.
- Ruben, Samuel, New Rochelle, N. Y. Electrodeposition of insulating material. 2,393,068; Jan. 15.
- Rubens, Louis C., and R. F. Boyer, assignors to The Dow Chemical Company, Midland, Mich. Copolymerization mixtures and polymeric products. 2,395,504; Feb. 26.
- Rubenstein, Albert, Washington, D. C. Crayon. 2,409,000; Oct. 8.
- Rubenstein, Charles, Kansas City, Mo. Work hold-down device. 2,411,059; Nov. 12.
- Ruberoid Co., The, assignee: *See*—
Dantz, Thomas M.
Fassiotto, Attiglit, A., and Strunk.
Herbes, Ambrose W.
Lloyd, Hubert E.
Ritter, George.
- Swenson, Joseph W.
- Rubin, Irving, Brookline, and J. B. Meltz, Everett, Mass. Collapsible wheeled tray. 2,407,385; Sept. 10.
- Rubin, Irving G., assignee, et al.: *See*—
Banks, Joseph L. R.
- Rubin, Louis C.: *See*—
Solomon, Ernest, and Rubin.
- Rubin, Martin: *See*—
Salmon, Miner R., and Rubin.
Wyes, Orville, Ludwig, and Rubin.
- Rubin, Sol R., Los Angeles, Calif. Cap for exhaust pipes and the like. 2,403,680; Jan. 25.
- Rubinfoff, Mark, New York, N. Y. Record device. 2,400,211; May 14.
- Rubinstein, David: *See*—
Young, Harland H., and Rubinstein.
- Rubissov, George A., New York, N. Y. Self-tuning polyharmonic damper. 2,398,722; Apr. 16.
- Rub-R-Slate Draper Co., assignee: *See*—
Toews, Edward E.
- Ruby, Thomas M., Whitmore Lake, assignor to King-Seeley Corporation, Ann Arbor, Mich. Speed governor. 2,409,070; Oct. 8.
- Rucker, Benjamin P., Chicago, Ill. Lamp stand for clocks. 2,392,696; Jan. 8.
- Rucker, Benjamin P., Chicago, Ill. Traffic signal. 2,396,971; Mar. 19.
- Ruda, Gustaf W., assignor to Aktiebolaget Separator, Stockholm, Sweden. Method and device for determining the deflection of rotating bodies. 2,403,554; July 9.
- Rudd, Kenneth H., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Asphalt preparation. 2,392,863; Jan. 15.
- Rudd, Wallace S., Leitchmont, assignor to Induction Heating Corp., New York, N. Y. Induction heating and quenching device. 2,404,987; July 30.
- Ruddock, William, assignee, et al.: *See*—
Nelli, Gottfried.
- Ruddock, William, South Pasadena, assignor of one-half to M. P. McCaffrey, Los Angeles, Calif. Material handling and loading apparatus. 2,398,859; Apr. 23.
- Ruddock, William, South Pasadena, assignor of one-half to M. P. McCaffrey, Los Angeles, Calif. Material handling apparatus. 2,398,860; Apr. 23.
- Rude, Nordahl L., Eau Claire, Wis. Cementing compound. 2,410,612; Nov. 5.
- Rudeen, Carl O. R.: *See*—
Swanson, Edwin C., and Rudeen.
- Rudel, John M., assignor to Standard Railway Equipment Manufacturing Co. (Canada) Limited, Montreal, Quebec, Canada. Car roof joint. 2,413,370; Dec. 31.
- Rudenberg, Reinhold, Belmont, Mass. Damper system for synchronous generators. 2,411,002; Nov. 12.
- Rudnick, Herbert, Gray, Iowa. Coupling device. 2,393,557; Jan. 29.
- Rudolfs, William, Piscataway Township, Middlesex County, and H. W. Gehm, Metuchen, N. J., assignors to The Permutit Company, New York, N. Y. Coagulant composition for removal of suspended or dissolved materials from liquids. 2,393,269; Jan. 22.
- Rudolph, Corrie E., Washington, D. C. Fluorescent light control. 2,407,685; Sept. 17.
- Rudolph, Hans, Kansas City, Mo. Precision measuring instrument. 2,400,440; May 14.
- Rudolph, Hans A.: *See*—
Dawsey, Lynn H., and Rudolph.
- Rudolph, Harold V., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Frequency indicator for vibrating reed type alternators. 2,399,477; Apr. 30.
- Rudolph Wurlitzer Company, The, assignee: *See*—
Osenberg, Erwin C.
- Rudy, John E., and J. J. Zaleski, Coatesville, Pa. Electric welding with portable box. 2,412,065; Dec. 3.
- Rudy, William D., Hoboken, N. J., assignor to Arvey Corporation, Chicago, Ill. Collapsible display device. 2,399,143; Apr. 23.
- Rudzinski, Leonard J.: *See*—
Martin, Joseph H., Jr., and Rudzinski.
- Rue, Harold E.: *See*—
Darragh, John K., and Rue.
- Rue, Harold E., Wauwatosa, assignor to Pabst Brewing Company, Milwaukee, Wis. Preheater for bottle caps. 2,401,511; June 4.
- Ruebensaal, Clayton F., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Molding gloves. 2,405,329; Aug. 6.
- Rueckel, Walter C., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Coke-oven wall construction. 2,393,658; Jan. 20.
- Ruedrich, Paul M., Berkeley, assignor to Tide Water Association Oil Company, San Francisco, Calif. Rust preventive composition. 2,392,102; Jan. 15.
- Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. High-temperature gas heater. 2,409,801; Oct. 22.
- Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Thermal power plant. 2,411,294; Nov. 19.
- Ruehrmund, George H., Cardington, Ohio, assignor to H-P-M Development Corp., Wilmington, Del. Starting circuit for electrical devices. 2,393,192; Jan. 15.
- Ruemelin, Rudolf, Waukegan, Wis. Gun for blasting and spraying. 2,405,854; Aug. 13.
- Ruen, Henry C., Detroit, Mich., and H. M. Simmons, Cleveland, Ohio, assignors to Cleaners Hanger Company, Detroit, Mich. Garment hanger. 2,391,923; Jan. 1.
- Ruetz, Joseph, Biel, Switzerland. Tooth root pivot. 2,411,758; Nov. 26.
- Ruflé, Gaylord P., Canton, Ohio. Match and cigarette container. 2,410,684; Nov. 5.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Torque measuring apparatus. 2,392,293; Jan. 1.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Fluid pressure responsive device. 2,400,467; May 14.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Variable resistor. 2,403,951; July 16.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Torquemeter. 2,403,952; July 16.
- Ruggiero, Alfred J., assignor to E. D. Bullard Company, San Francisco, Calif. Suspension device for safety headgear. 2,398,561; Apr. 16.
- Rugles-Kingdom Mfg. Co., assignee: *See*—
Kimball, James L.
- Ruh, Robert P.: *See*—
Adelson, David E., Ruh, and Gray.
- Ruhl, Kenneth: *See*—
Condit, Paul A., and Ruhl.
- Ruhlig, Arthur J., Washington, D. C. Electronic trigger circuit with time-delay. 2,405,237; Aug. 6.
- Ruhoff, John R.: *See*—
Farr, Henry V., and Ruhoff.
- Ruigh, William L.: *See*—
Wintersteiner, Oskar, and Ruigh.
- Ruigh, William L., Princeton, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Method. 2,413,000; Dec. 4.
- Rulz, Raul M., assignee: *See*—
McCallick, William P.

- Rulison, Carroll J., Baldwinsville, N. Y. Mechanical decoy. 2,413,418; Dec. 31.
- Rumery, Edgar S., Gardner, Mass. Portable heating attachment for fireplaces. 2,396,535; Mar. 12.
- Rumsey, John C., Mission, Kans. Self-propelled vehicle construction. 2,402,297; July 18.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Acyclic terpene oxidation product and production. 2,392,413; Jan. 8.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene derivative. 2,397,205; Mar. 26.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Stabilization of terpene product. 2,404,251; July 16.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene derivatives. 2,406,106; Aug. 20.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene derivatives. 2,407,937; Sept. 17.
- Rumpf, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Support and actuating structure for gyratory crusher heads. 2,409,391; Oct. 15.
- Rumsey, Amos B., Beloit, Wis., assignor to Gardner Machine Company, South Beloit, Ill. Grinding machine. 2,398,463; Apr. 16.
- Rumsey, Joseph B., Westwood, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for converting top to top. 2,410,307; Oct. 29.
- Rundell, Raymond R., Miami, Fla. Swinging bracket. 2,409,152; Oct. 8.
- Russell, Rumbold E., Rockville Centre, N. Y., assignor to American Machine & Foundry Company. Stemming and shredding apparatus. 2,398,450; Apr. 16.
- Rundle, Walter, Berea, and H. E. Bruce, Elyria, Ohio. Spearhead nozzle. 2,411,231; Nov. 19.
- Runge, Frank E., Eaddon Heights, N. J., assignor to Radio Corporation of America. High voltage safety switch. 2,395,683; Feb. 26.
- Runyon, Benjamin F.: See—
Butterfield, Joseph T., Knapp, and Runyon.
- Rupp, Walter H., Mountainside, and R. O. Wright, Elizabeth, N. J., assignors to Standard Oil Development Company. Separation of hydrocarbons from water miscible liquids by distillation and washing. 2,411,808; Nov. 26.
- Rupp, Walter H., Mountainside, and R. O. Wright, Elizabeth, N. J., assignors to Standard Oil Development Company. Apparatus for separating fluids. 2,411,809; Nov. 26.
- Rupp, William B.: See—
Green, Norval H., and Rupp.
- Ruppel, Alfred E.: See—
Koenig, Walter, Jr., and Ruppel.
- Ruppel, Frederick H., Pasadena, Calif. Ground mat. 2,402,090; June 11.
- Ruppel, Frederick H., Pasadena, Calif. Ground mat. 2,404,097; July 16.
- Rurak, Anthony, Springfield, Mass. Chisel. 2,412,783; Dec. 17.
- Rusch, Max, Seattle, Wash. Machine for breaking up cartons. 2,400,263; May 14.
- Rush, John A., assignor to P. L. Robertson Mfg. Co. Limited, Milton, Ontario, Canada. Machine for slotting screws. 2,408,686; Oct. 1.
- Rush, John W.: See—
Hines, Claude M., and Rush.
- Rush, John W., and A. J. Bent, Wilkesburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor. 2,413,380; Dec. 31.
- Rushing, Frank C.: See—
Baudry, René A., Rushing, and Fink.
- Rushing, Frank C., H. C. Werner, Pittsburgh 21, and B. Cametti, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vibrograph. 2,393,069; Jan. 15.
- Rushing, George, Jr., Little Rock, Ark. Fire alarm. 2,398,966; Apr. 23.
- Rushmer, Ralph H.: See—
Goepfer, George J., and Rushmer.
- Ruskin, Frances R.: See—
Ruskin, Simon L.
- Ruskin, Henry, assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Stapler. 2,399,761; May 7.
- Ruskin, Henry, assignor to one-half of G. E. Hale, Chicago, Ill. Dry shaver and element thereof. 2,411,594; Nov. 26.
- Ruskin, Simon L., New York, N. Y. Preparations of arsenic and antimony. 2,395,069; Feb. 19.
- Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Stabilized metal ascorbates. 2,400,171; May 14.
- Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Sulphanilamide derivatives and preparing same. 2,407,686; Sept. 17.
- Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Controlling means. 2,396,205; Mar. 5.
- Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Fuel supply controlling means for burners. 2,413,655; Dec. 31.
- Russell, Alexander, M. Parker, and R. A. Harris, assignors to The Forgrove Machinery Company Limited, Leeds, England. Machine for wrapping plastic materials. 2,397,812; Apr. 2.
- Russell, Anne, administratrix: See—
Russell, George M.
- Russell, Arthur O.: See—
Reichel, Frank H., and Russell.
- Russell, Clyde D., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Can testing and selecting device. 2,399,391; Apr. 30.
- Russell, Clyde D., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Filling valve. 2,413,134; Dec. 24.
- Russell Electric Company, assignee: See—
Stolberg, Sven A.
- Russell, Elwyn S., Belmont, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War. Applicator for ear protectors. 2,393,340; Jan. 22.
- Russell, Frank H.: See—
Lovell, Stanley P., and Russell.
- Russell, Frank J., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Switching mechanism. 2,396,972; Mar. 19.
- Russell, George F.: See—
Mann, Julius W., and Russell.
- Russell, George L., assignor to Ex-Cell-O Corporation, Detroit, Mich. Work holding means. 2,409,590; Oct. 15.
- Russell, George M., deceased, Millbrae; A. Russell, administratrix, assignor to Pacific Can Company, San Francisco, Calif. Fluid fountain for printing presses. 2,408,449; Oct. 1.
- Russell, Harlow M., assignee: See—
Sidebotham, Melvin H.
- Russell, Harold D., and J. I. Crabtree, assignors to East-Side Knak Company, Rochester, N. Y. Processing apparatus. 2,409,153; Oct. 8.
- Russell, Howard W., and C. F. Lucks, Columbus, assignors, by mesne assignments, to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for recording temperature. Re. 22,709; Jan. 15.
- Russell, Irving H., Oak Park, and F. C. Binnall, River Forest, assignors to Sloan Valve Company, Chicago, Ill. Flush valve. 2,406,259; Aug. 20.
- Russell, John: See—
Houck, Robert C., Russell, and Shepard.
- Russell, John D., C. F. Ball, and A. S. Knoizen, assignors to Joy Manufacturing Company, Franklin, Pa. Loading machine. 2,392,697; Jan. 8.
- Russell, John K., assignor to Luber-Finer, Inc., Los Angeles, Calif. Fitting. 2,398,041; Apr. 9.
- Russell, John L., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Speed regulating device. 2,399,574; Apr. 30.
- Russell, Kenneth L.: See—
Richardson, Earl L., and Russell.
- Russell, Louis C., McGraw, N. Y. Cattle stall partition appliance. 2,408,533; Oct. 1.
- Russell, Lyman B., Jr., Edinburg, Tex. Separable rim. 2,409,901; Oct. 22.
- Russell Manufacturing Company, The, assignee: See—
Hendley, James A.
- Russell-Miller Milling Co., assignee: See—
Sullivan, Elizabeth J.
- Russell, Nelson B.: See—
Bond, Donald C., and Russell.
- Russell, Nevin J., Wauwatosa, assignor to Robert A. Johnston Company, Milwaukee, Wis. Distinctively appearing ice cream and making same. 2,392,698; Jan. 8.
- Russell, Philip T., Mount Rainier, Md. Acoustical apparatus. 2,396,722; Mar. 19.
- Russell, Robert C., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio: Automatic transmission. 2,392,950; Jan. 15.
- Russell, Stanley D., Racine, Wis., assignor to J. I. Case Company, Baler. 2,411,467; Nov. 19.
- Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Baling means. 2,413,522; Dec. 31.
- Russell, Theodore, Naugatuck, Conn. Adjustable clothing fastener. 2,412,097; Dec. 3.
- Russell, William J., New Britain, Conn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Binoculars. 2,393,339; Jan. 22.
- Russell, William L.: See—
Barnaby, James C., and Russell.
- Russell, William L., Tulsa, Okla. Apparatus for well logging. 2,398,562; Apr. 16.
- Russnak, Clarence J., assignor to Teletype Corporation, Chicago, Ill. Perforating machine. 2,393,416; Jan. 22.
- Russell, William F., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Production of alcohols. 2,405,712; Aug. 13.
- Russell, William F., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Production of alcohols. 2,405,713; Aug. 13.
- Rust, David J., assignor to Ry-Lock Company, Ltd., San Leandro, Calif. Frameless window screen. 2,405,855; Aug. 13.
- Rust, Frederick F.: See—
Vaughan, William E., and Rust.

- Rust, Frederick F., and W. E. Vaughan, Berkeley, Calif., assignors to Shell Development Company. Photochemical preparation of thio-ethers. 2,392,294; Jan. 1.
- Rust, Frederick F., and W. E. Vaughan, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Photochemical production of halogenated thio-ethers. 2,392,295; Jan. 1.
- Rust, Frederick F., and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Methylation of olefinic hydrocarbons. 2,396,206; Mar. 5.
- Rust, Frederick F., Berkeley, F. H. Dickey, Oakland, and E. R. Bell, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Asymmetrical ditertiary peroxides. 2,403,755; July 9.
- Rust, John B.: *See*—
Hessel, Frederick A., and Rust.
- Rust, John B., West Orange, N. J., assignor to Montclair Research Corporation. Modified rosin esters and making same. 2,398,668; Apr. 16.
- Rust, John B., West Orange, N. J., assignor to Montclair Research Corporation. Modified rosin esters and making same. 2,398,669; Apr. 16.
- Rust, John B., West Orange, N. J., assignor to Montclair Research Corporation. Modified rosin ester-drying oil varnish bases and making same. 2,398,670; Apr. 16.
- Rust, John B., West Orange, N. J., assignor to Montclair Research Corporation. Tarnish prevention of silverware. 2,400,784; May 21.
- Rust, John B., West Orange, N. J., assignor to Montclair Research Corporation. Preventing the tarnishing of silverware. 2,400,785; May 21.
- Rust, John B., West Orange, N. J., assignor to Montclair Research Corporation. Preventing silverware from tarnishing. 2,400,786; May 21.
- Rust, John B., West Orange, and W. H. Van Delden, Cedar Grove, N. J., assignors to Montclair Research Corporation. Formaldehyde-cellulose products and making same. 2,397,437; Mar. 26.
- Rust, John B., West Orange, and F. A. Hessel, Montclair, N. J., assignors to Montclair Research Corporation. Polyhydric phenol-acetone-formaldehyde products and making same. 2,398,331; Apr. 9.
- Rust, John B., West Orange, and W. H. Van Delden, Cedar Grove, N. J., assignors to Montclair Research Corporation. Alkamide cellulose ethers and making same. 2,399,603; Apr. 30.
- Rust, John B., West Orange, and C. A. MacKenzie, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Silico-organic derivatives and making the same. 2,415,582; Dec. 31.
- Rusad, Fred, Laramont, N. Y. Internal-combustion engine. 2,397,752; Apr. 2.
- Rustless Iron and Steel Corporation, assignee: *See*—
Clingan, Irvine C.
- Ruth, Arthur P., Houston, Tex. Combination pressure tank and pump. 2,403,555; July 9.
- Ruth, Arthur P., Houston, Tex. Centrifugal pump. 2,403,556; July 9.
- Rutherford, John T.: *See*—
Miller, Robert J., and Rutherford.
- Rutherford, Peter E.: *See*—
Luster, Donald R., and Rutherford.
- Ruthruff, Robert F., Chicago, Ill. Selective catalytic cracking. 2,397,329; Mar. 26.
- Ruthruff, Robert F., Chicago, Ill. Flushing oil. 2,410,613; Nov. 5.
- Rutka, Stanley J., Gheen, Minn. Pipe vise. 2,398,332; Apr. 9.
- Rutledge, R. M., assignee, trustee, et al.: *See*—
Stark, Fred J., and Slack.
- Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Offset disk harrow. 2,404,252; July 16.
- Rutter, Donald E., East Cleveland, H. B. Shapiro, Cleveland, and W. J. Brown, Cleveland Heights; said H. B. Shapiro now by change of name Harry B. Shaper, assignors to The Brush Development Company, Cleveland, Ohio. Phone and making same. 2,391,924; Jan. 1.
- Rutkay, Paul, Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Cord winder. 2,393,417; Jan. 22.
- Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Lactones of the saturated and unsaturated cyclopentano-polyhydrophenanthrene series and process of preparing same. 2,398,861; Apr. 23.
- Ryan Aeronautical Co., The, assignee: *See*—
Immenschuh, William T.
- Kops, Earl A., Sanborn, and Johnson.
- Ryan, Albert O., Ridgefield, N. J. Forming filamentary articles. 2,402,846; June 25.
- Ryan, Clyde R.: *See*—
Bent, Franklin A., and Ryan.
- Ryan, Commodore D., Los Angeles, Calif., assignor to Commercial Controls Corporation. Sealing and ejecting apparatus for mail treating machines. 2,404,193; July 16.
- Ryan, Commodore D., Los Angeles, Calif., assignor to Commercial Controls Corporation. Liquid level controlling device for envelope moistening devices. 2,412,538; Dec. 10.
- Ryan, Commodore D., Los Angeles, F. J. Dempsey, Huntington Park, F. A. Straub, Los Angeles, and B. S. Tyler, Inglewood, Calif., assignors to Commercial Controls Corporation. Printing machine. 2,406,040; Aug. 20.
- Ryan, Commodore D., Los Angeles, F. P. Sager, Alhambra, and E. R. Bergmark, Los Angeles, Calif., assignors to Commercial Controls Corporation. Postage printer. 2,412,472; Dec. 10.
- Ryan, George F., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Dieing out machine. 2,401,800; June 11.
- Ryan, George F., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method of and apparatus for perforating sheet material. 2,405,714; Aug. 13.
- Ryan, James J., assignor to Federal Cartridge Corporation, Minneapolis, Minn. Welded steel components and manufacturing same. 2,397,206; Mar. 26.
- Ryan, John D.: *See*—
Erickson, Arvid M., and Ryan.
- Ryan, John F., Walpole, assignor to The Kendall Company, Boston, Mass. Plaster bandage. 2,402,779; June 25.
- Ryan, Joseph D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Temporary protective coatings. 2,392,768; Jan. 8.
- Ryan, Joseph D., and G. R. Zolman, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing bent laminated safety glass. 2,392,770; Jan. 8.
- Ryan, Joseph R., Williamsville, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Electrochemical process for production of sodium perchlorate. 2,392,769; Jan. 8.
- Ryan, Victor A.: *See*—
Kessler, William C., and Ryan.
- Ryan, William, New York, N. Y. Map device. 2,404,988; July 30.
- Ryan, William, New York, N. Y. Ship guiding system. 2,406,512; Aug. 27.
- Ryan, William H., Cambridge, A. Barnes, Waltham, and H. P. Russell, Allston, assignors to Polaroid Corporation, Cambridge, Mass. Method of forming images of dichroic materials. 2,409,959; Oct. 22.
- Rydberg, Fred A.: *See*—
Prather, Charles, and Rydberg.
- Ryde, John L.: *See*—
McCulloch, Robert P., and Ryde.
- Ryde, John L., Milwaukee, Wis., assignor to McCulloch Aviation, Inc., Los Angeles, Calif. Internal-combustion engine. 2,406,404; Aug. 27.
- Ryden, Laurence L., Midland, Mich., assignor to The Dow Chemical Company. Polysulphide polymer. 2,406,260; Aug. 20.
- Ryder, Anthony J., Massillon, Ohio, assignor to The Griscorn-Russell Company, New York, N. Y. Support for finned tubes. 2,402,209; June 18.
- Ryder, Elmer, Berwyn, Ill. Internal-combustion engine. 2,407,102; Sept. 3.
- Ryder, John D., Ames, Iowa, and A. J. Hornbeck, Cleveland Heights, Ohio, assignors to Bailey Meter Company. Measuring and control system. 2,402,210; June 18.
- Ryder, Willard D., Tulsa, Okla. Insulating structure. 2,405,530; Aug. 6.
- Ry-Lock Company, Ltd., assignee: *See*—
Rust, David J.
- Rylsky, Gregory V., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Illuminating means for indicating instruments. 2,413,381; Dec. 31.
- Rylsky, Gregory V., Kidgfield Park, and F. W. Schule, Jr., Hackensack, assignors to Bendix Aviation Corporation, Bendix, N. J. Hand held low altitude bombsight. 2,404,746; July 23.
- Rymer, S. B., assignor to Dixie Foundry Company, Inc., Cleveland, Tenn. Stove. 2,394,811; Feb. 12.
- Rymal, Murray J., assignee: *See*—
Frankel, Sydney.
- Ryno, Juddson B., Chicago, and C. L. Casey, Riverside, assignors to Reliable Sheet Metal Engineering Co., Chicago, Ill. Vending machine. 2,412,539; Dec. 10.
- S. & S. Corrugated Paper Machinery Co., Inc., assignee: *See*—
Shields, Albert F.
- S. V. H. Corporation, assignee: *See*—
Horton, Stephen V.
- S. & Z. Manufacturing Company, Inc., assignee: *See*—
Santolucio, Otto H., and Zappia.
- Saathoff, George W.: *See*—
Shumate, Frank D., and Saathoff.
- Saballus, Erwin, and C. W. Fischer, assignors to The Powers Regulator Company, Chicago, Ill. Control mechanism. 2,411,295; Nov. 19.
- Sabe, Andrew, Tunbridge, N. Dak. Fish lure. 2,403,759; July 9.
- Sabiers, Charles, Amherst, Ohio. Flashlight. 2,399,511; Apr. 30.
- Sabin, Joseph L., Rogers City, Mich. Support. 2,401,193; May 28.
- Sabini, Frederick, Salem, N. J. Toy submarine. 2,405,715; Aug. 13.
- Sacchini, Columbus R., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Motion converter mechanism. 2,393,193; Jan. 15.

- Sacchini, Columbus R., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Combination converter and window unit. 2,393,194; Jan. 15.
- Sacchini, Columbus R., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Fluid operated motor. 2,404,747; July 23.
- Sacchini, Columbus R., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Fluid control apparatus. 2,404,924; July 30.
- Saccoccio, Anthony K., Cranston, R. I. Attachment of lazy tong bracelets and end hooks. 2,401,022; May 23.
- Sachanen, Alexander N.: *See—*
- Cesar, Philip D., and Sachanen.
- Kirkpatrick, James B., Somers, and Sachanen.
- Sachanen, Alexander N., and A. A. O'Kelly, Woodbury, N. J., and C. G. Myers, Bryn Mawr, Pa., assignors to Socoy-Vacuum Oil Company, Incorporated. Alkylation process. 2,410,107; Oct. 29.
- Sachanen, Alexander N., and A. A. O'Kelly, Woodbury, N. J., and C. G. Myers, Bryn Mawr, Pa., assignors to Socoy-Vacuum Oil Company, Incorporated. Alkylation. 2,410,108; Oct. 29.
- Sacher, William S., Pottstown, assignor of one-half to I. C. Shalkop, Philadelphia, and one-fourth to E. I. Keiser, Pottstown, Pa. Automotive brake. 2,400,468; Mar. 14.
- Sachs, Alfred H., assignee: *See—*
- Schutz, Nathan R., and Dubitsky.
- Sachse, Julius F., Summit, assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Making abrasive articles. 2,404,598; July 23.
- Sachtleben, Lawrence T., Indianapolis, Ind., assignor to Radio Corporation of America. Lens coating apparatus. 2,397,207; Mar. 26.
- Sachtleben, Lawrence T., Indianapolis, Ind., assignor to Radio Corporation of America. Objective. 2,407,347; Sept. 10.
- Sachtleben, Lawrence T., Indianapolis, Ind., and W. L. Douden, Philadelphia, Pa., assignors to Radio Corporation of America. Light filter. 2,403,685; July 9.
- Sach, Ami, Basel, Switzerland. Ampoule-syringe. 2,404,316; July 16.
- Saco, Felix, Jr., West Hartford, and W. R. Williamson, assignors to The Maxim Silencer Company, Hartford, Conn. Automatic control for waste heat boilers. 2,395,583; Feb. 26.
- Saco, Felix, Jr., West Hartford, Conn., and W. R. Williamson, Valley Stream, N. Y., assignors to The Maxim Silencer Company, Hartford, Conn. Waste heat utilizer. 2,397,208; Mar. 26.
- Saco-Lovell Shops, assignee: *See—*
- Burnham, Virgil A.
- Cotchet, Louis M.
- Gwaltney, Eugene C., and Child.
- Gwaltney, Eugene C., and Marsh.
- Kennedy, John A.
- Neal, Charles M.
- Silox, Arthur E.
- Tarr, Roderic D.
- Saddington, Arthur W., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Manufacture of sodium sulphides. 2,409,392; Oct. 15.
- Sadinoff, Max, New York, N. Y. Netted fabric. 2,399,392; Apr. 30.
- Sadlon, Stephen: *See—*
- Christensen, Donald W., and Sadlon.
- Sadowsky, Meier, New York, N. Y., assignor to Radio Corporation of America. Luminescent screen and manufacture. 2,412,654; Dec. 17.
- Sadtler, Robert E., Ridley Park, Pa., assignor of one-fourth to N. W. Underwood, Jr., Cleveland, Ohio. Removing paint and varnish. 2,392,699; Jan. 8.
- Saemann, Franklin I., assignee: *See—*
- Mollenhour, Doret C.
- Safety Boat Company, assignee: *See—*
- Nelson, Fred N.
- Safety Car Heating and Lighting Company, Inc., The, assignee: *See—*
- Schepmoes, Lindsley.
- Strobel, John D.
- Von Ohlsen, Louis H.
- Safety Tank Truck Corporation, assignee: *See—*
- Scott, Carlyle H., and P. H.
- Saffady, Thomas F., Detroit, Mich. Electric iron. 2,395,584; Feb. 26.
- Saffady, Thomas F., Detroit, Mich. Valve. 2,395,942; Mar. 5.
- Safir, Jacob A., Kew Gardens, assignor to Dentists' Supply Company of New York, New York, N. Y. Artificial tooth. 2,391,928; Jan. 1.
- Safir, Jacob A., assignor to The Dentists' Supply Company, New York, N. Y. Artificial tooth and mount therefor. 2,398,671; Apr. 16.
- Safir, Jacob A., Chicago, Ill., assignor to Dentists' Supply Company of New York, New York, N. Y. Artificial tooth. 2,402,289; June 18.
- Sage, Harry C., assignor to Thompson Sage, Inc., Stockton, Calif. Pickup reel for harvesters. 2,413,072; Dec. 24.
- Sage, Thompson, Inc., assignee: *See—*
- Sage, Harry C.
- Sager, Frank P.: *See—*
- Ryan, Commodore D., Sager, and Bergmark.
- Sager, Robert H., University Heights, Ohio. Sunshine and other auxiliary spectacles. 2,408,273; Sept. 24.
- Sagraw Products Corporation, assignee: *See—*
- Kelly, Gerald W.
- Sagner, Walter T., West Hartford, Conn., assignor to Underwood Corporation. Typewriting machine. 2,393,763; Feb. 26.
- Sahmel, Viggo, Forest Hills, assignor to F. L. Smith & Co., New York, N. Y. Indicating device for material treating apparatus. 2,405,059; July 30.
- Sahyun, Melville, Detroit, Mich., assignor, by mesne assignments, to Sterling Drug Inc., Wilmington, Del. Pharmaceutical solution. 2,413,397; Dec. 3.
- Sahyun, Melville, and J. A. Faust, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y. Alpha-(methoxyphenyl)-beta-methylaminoethanol para-aminobenzoate. 2,413,656; Dec. 31.
- Saia, John J., Woodstock, Md. Guide for public safety of vehicles and pedestrians. 2,400,655; May 21.
- St. Clair, Milton H., Sussex, assignor to S. Switlik, Trenton, N. J. Parachute harness. 2,400,471; May 14.
- St. Clair, Theodore A.: *See—*
- Garretson, Owen L., St. Clair, and Olson.
- St. Clair, Theodore A., Pontiac, Mich., assignor to Phillips Petroleum Company. High pressure fuel carburetor. 2,393,125; Jan. 15.
- St. Clair, Theodore A., C. F. Sievers, and A. R. Olson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Automatic container filling device. 2,406,263; Aug. 20.
- Saint Freres (Société Anonyme), assignee: *See—*
- Delé, Henri.
- St. Louis, Alfred J.: *See—*
- O'Farrell, Matthew, and St. Louis.
- St-Mars, Yvon, Verdun, Quebec, Canada. Scaffold ladder. 2,400,659; May 21.
- St. Pierre, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Electric protective system. 2,407,521; Sept. 10.
- St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Load-ratio-control circuit. 2,411,476; Nov. 19.
- St. Paul Hydraulic Hoist Company, assignee: *See—*
- Penney, Raymond A.
- St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Gap closing device. 2,394,339; Feb. 5.
- St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Yarn feeding device. 2,399,403; Apr. 30.
- St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 2,402,098; June 11.
- St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Providence County, R. I. Clutch and pattern drum mechanism. 2,411,803; Nov. 19.
- St. Pierre, Henry, Worcester, Mass. Detachable chain link. 2,398,897; Apr. 23.
- St. Pierre, Henry, Worcester, Mass. Solid forged locking stud link. 2,398,898; Apr. 23.
- St. Pierre, Henry, Worcester, Mass. Chain link. 2,400,854; May 21.
- St. Pierre, Henry, Worcester, Mass. Stud chain locking link. 2,400,855; May 21.
- St. Regis Paper Company, assignee: *See—*
- Hartman, Carl H., Marsh, and Dorrington.
- Lee, Harry E.
- Norvig, Axel.
- Peterson, William R.
- Shearer, Russell C.
- Salathiel, Richard A., Houston, Tex., assignor to Standard Oil Development Company. Process and agent for breaking petroleum emulsions. 2,401,966; June 11.
- Salazar, Jose R., Mexico City, Mexico, assignor to The Quaker Oats Company, Chicago, Ill. Die. 2,394,876; Feb. 12.
- Saldain, Fermin P., Buenos Aires, Argentina. Loop knitting device. 2,399,144; Apr. 23.
- Sale, William H., Richmond, Va. Journal box and dust guard. 2,397,753; Apr. 2.
- Salem Engineering Company, The, assignee: *See—*
- Doyle, Collin M.
- Salem, Max, New York, N. Y. Combination lady's hand-bag and umbrella compartment. 2,394,332; Feb. 5.
- Salem Tool Company, The, assignee: *See—*
- McCarthy, Vincent J.
- Saltsberg, Leroy L., South Orange, N. J. Sealing and crimping machine. 2,402,298; June 18.
- Saltsberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Tape applicator. 2,404,317; July 16.
- Salisbury, Charles K., Waterloo, Iowa. Tracer controlled feed mechanism for machine tools. 2,402,450; June 18.
- Salisbury, Frederick L., Hempstead Gardens, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Coaxial condenser crystal and making same. 2,406,409; Aug. 27.
- Salisbury, Leroy F.: *See—*
- Coffman, Donald D., and Salisbury.
- Salisbury, Roy G., East Cleveland, Ohio, assignor to Pesco Products Co. Flowmeter. 2,392,951; Jan. 15.
- Salisbury, Wilbur S., Winchester, Idaho. Log loading hook. 2,398,464; Apr. 16.

- Salkover, Nicholas M., assignor to The Queen City Steel Treating Co., Cincinnati, Ohio. Nitriding apparatus. 2,392,267; Jan. 1.
- Salle, Anthony J., Los Angeles, Calif. Sterilizing method and system. 2,397,292; Mar. 26.
- Salle, Anthony J., West Los Angeles, and H. L. Guest, Ocean Park, assignors of one-half to L. A. Gunther, Robbins, Calif. Metallic germicidal solution and making same. 2,399,829; May 7.
- Saller, Arthur, New York, N. Y. Belt. 2,410,759; Nov. 5.
- Sallmann, Richard. *See* Albrecht, Otto, Graenacher, Sallmann, and Rossi.
- Albrecht, Otto, Graenacher, Sallmann, and Rossi. Graenacher, Charles, and Sallmann.
- Salminen, Ilmari F., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Producing p-phenylene diamines. 2,407,207; Sept. 3.
- Salmon, Miner R., Montclair, N. J., and M. Rubin, New York, N. Y., assignors to Wallace & Tiernan Products, Inc. Synthesis of diethyl stilbestrol compounds. 2,393,670; Jan. 22.
- Salmo, Reginald D.: *See* Thompson, Alfred E., and Salmon.
- Salmonsens, Anton, Great Kills, Staten Island, N. Y. Vibration eliminator for pressure regulators. 2,405,371; Aug. 6.
- Salo, Martin, assignor to Eastman Kodak Company, Rochester, N. Y. Applying protective coatings. 2,398,042; Apr. 9.
- Salo, Martin, assignor to Eastman Kodak Company, Rochester, N. Y. Coating compositions for moisture-proofing by hot melt coating. 2,409,885; Oct. 22.
- Salo, Martin, assignor to Eastman Kodak Company, Rochester, N. Y. Coating compositions for moisture-proofing by hot melt coating. 2,409,986; Oct. 22.
- Salo, Martin, and H. F. Vivian, assignors to Eastman Kodak Company, Rochester, N. Y. Hot melt-coating composition. 2,410,685; Nov. 5.
- Saloun, Frank J., Milwaukee, Wis. Fishing float. 2,393,070; Jan. 15.
- Salstrom Carving Machine Company, assignee: *See* Salstrom, David B.
- Salstrom, David B., assignor to Salstrom Carving Machine Company, Chicago, Ill. Machine for making airplane propellers and the like. 2,400,954; May 28.
- Salzman, Bernard E., Dorchester, Mass. Integrating mechanism. 2,398,600; Apr. 16.
- Salvage & Marine Company of Egypt, assignee: *See* Peillon, Paul.
- Salvatore, Diamato, Youngstown, Ohio. Guard for router machines. 2,399,707; May 7.
- Salvesen, Jørgen B., R. L. Hossfeld, and R. J. Lovin, Wausau, Wis., assignors to Marathon Corporation. Making low molecular weight lignin degradation products. 2,405,450; Aug. 6.
- Salvesen, Jørgen B., R. L. Hossfeld, and R. J. Lovin, Wausau, Wis., assignors to Marathon Corporation. Producing low molecular weight lignin degradation products. 2,405,451; Aug. 6.
- Salvin, Victor S.: *See* Seymour, George W., and Salvin.
- Salzberg, Bernard, Washington, D. C. Spark gap tube. 2,397,982; Apr. 9.
- Salzberg, Bernard, Washington, D. C., assignor to Radio Corporation of America. Electron discharge device and circuit. 2,409,591; Oct. 15.
- Salzberg, Paul L.: *See* Lazier, Wilbur A., and Salzberg.
- Salzberg, Paul L., Carcroft, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Product. 2,407,292; Sept. 10.
- Salzmann, Fritz, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Thermal power plant. 2,404,748; July 23.
- Samann, Eric L., Detroit, Mich. Hand grenade. 2,397,509; Apr. 2.
- Samann, Eric L., Grand Rapids, Mich. Hand grenade. 2,397,510; Apr. 2.
- Samel, Leo, Harvey, Ill. Beverage container and dispenser. 2,400,955; May 28.
- Samiran, David, Osborn, Ohio. Automatic water segregator. 2,402,670; June 25.
- Samiran, David, Osborn, Ohio. Multiple tank fuel system. 2,406,854; Sept. 3.
- Sampson, Frederick W., Dayton, Ohio, and G. J. Hyde, Brooklyn, N. Y., assignors to General Motors Corporation. Firearm construction. 2,403,306; July 2.
- Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Carbine. 2,405,758; Aug. 13.
- Sampson, Harold A., Burlingame, Calif. Calk. 2,406,476; Aug. 27.
- Sampson, William, Aldwyche, London, England, assignor, by mesne assignments, to Foster Wheeler Corporation, New York, N. Y. Furnace floor structure. 2,405,610; Aug. 13.
- Sans, Robert H.: *See* Baker, Chester L., and Sans.
- Sanson, Edward W., assignor to Hammernill Paper Company, Erie, Pa. Method and apparatus for producing designed papers. 2,403,461; July 9.
- Samuel, Arthur L.: *See* Anderson, Alvin L., and Samuel.
- Anderson, Alvin L., and Samuel. Hartley, Ralph V. L., and Samuel.
- Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Ultra high frequency electronic device contained within wave guides. 2,402,184; June 18.
- Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam device. 2,403,025; July 2.
- Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam amplifier. 2,405,611; Aug. 13.
- Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillator. 2,409,224; Oct. 15.
- Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,409,644; Oct. 22.
- Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam modulator. 2,410,840; Nov. 12.
- Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuning arrangement. 2,410,841; Nov. 12.
- Samuel Stamping and Enameling Company, assignee: *See* Zimbelman, George W., and Cherry.
- Samuelson, Daniel S.: *See* Hell, Joseph F., and Samuelson.
- Samuelson, Janet, Lehighton, Pa. Gusseted plastic handbag. 2,398,118; Apr. 9.
- Samuelson, Otto H., Muncie, and A. T. Zappia, assignors to Z. Manufacturing Company, Inc., Indianapolis, Ind. Apparatus for forming hollow glass articles. 2,398,465; Apr. 16.
- Sanborn, Arthur R., East Orange, N. J., assignor to General Electric Company. Operating mechanism. 2,392,700; Jan. 8.
- Sanborn, Charles H., assignee, et al.: *See* Nameth, Louis S.
- Sanborn, Daniel S.: *See* Kops, Earl A., Sanborn, and Johnson.
- Sanborn, Daniel S., San Diego, Calif. Two-stroke cycle internal-combustion engine. 2,401,111; May 28.
- Sanborn, John W.: *See* Boerner, Thomas J., and Sanborn.
- Sánchez, Andrew, New York, N. Y. Cooling apparatus. 2,394,109; Feb. 5.
- Sánchez, Emilio B., Miami, Fla. Game apparatus. 2,408,687; Oct. 1.
- Sandberg, Clifford H., Glenview, Ill. Track spike. 2,401,967; June 11.
- Sandberg, Ernest H., Long Beach, Calif. Micrometer height gauge. 2,400,715; May 21.
- Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Ignition and steering locking assembly. 2,412,752; Dec. 17.
- Sandebond Patents, Inc., assignee: *See* Biddle, William P., Jr.
- Sandel, Emil J.: *See* Cox, George S., and Sandel.
- Sander, Mordecai, Philadelphia, Pa., assignor to Radio Corporation of America. Audio reactor. 2,411,810; Nov. 26.
- Sanders, Arthur F., Leeds, England. Fuel injection engine. 2,393,872; Jan. 29.
- Sanders, Arthur F., Leeds, England. Valve of internal-combustion engines. 2,396,347; Mar. 12.
- Sanders, George P., Arlington, Va., dedicated to the free use of the People in the territory of the United States. Treating cheese. 2,401,320; June 4.
- Sanders, Lloyd C., assignor to The Muter Company, Chicago, Ill. Adjustable friction and take-up device for screw stems in threaded bearings. 2,392,701; Jan. 8.
- Sanders, Louis S., Shaker Heights, Ohio. Medium for use in preparing transparent prints. 2,392,414; Jan. 8.
- Sanders, Royden C., Jr., Audubon, N. J., assignor to Radio Corporation of America. Frequency determining device. 2,403,557; July 9.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Frequency responsive circuit. 2,403,615; July 9.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Wave shaping circuit. 2,403,616; July 9.
- Sanders, Royden C., Jr., Chestnut Hill, Mass., assignor to Radio Corporation of America. Indicator for frequency modulated radio locator systems. 2,411,595; Nov. 26.
- Sanders, Royden C., Jr., and W. R. Mercer, Hightstown, and D. Blitz, Princeton, N. J., assignors to Radio Corporation of America. Phase modulator. 2,408,449; Oct. 15.
- Sanders, Royden C., Jr., and W. R. Mercer, Hightstown, N. J., assignors to Radio Corporation of America. Radio bomb release system. 2,412,632; Dec. 17.
- Sanders, Sam.: *See* Steinberger, Harry J., and Sanders.
- Sanderson, Arthur E., San Pedro, Calif. Garment rack. 2,412,011; Dec. 3.
- Sanderson, August A., assignor to Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Stocking. 2,405,331; Aug. 6.
- Sanderson, Leonard W., Toronto, Ontario, Canada. Motion display stand. 2,407,747; Sept. 17.

- Sanderson, Robert T., Fishkill, assignor to The Texas Company, New York, N. Y. Synthesis of paraffinic hydrocarbons by reacting an alkyl aluminum halide with an aliphatic halide. 2,404,599; July 23.
- Sanderson, Robert T., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of motor fuel. 2,404,661; July 23.
- Sandison, Alexander G. S., Brantford, Ontario, Canada. Boat construction. 2,397,049; Mar. 19.
- Sandler, Jacob. assignee: See—
Lee, Bernard F.
- Sando, Joseph B., Kansas City, Mo., assignor to Western Laundry Machinery Company. Flatwork ironer. 2,395,764; Feb. 26.
- Sandow, Abraham, Plainfield, and A. A. Wenzel, West Orange, N. J. Making packing rings. 2,404,864; July 30.
- Sandor Ltd., assignee: See—
Stoll, Arthur, Morf, and Peyer.
Von Allmen, Samuel, and Eggenberger.
- Sandretto, Peter C., Chicago, and E. P. Buckhalt, Brookfield, assignors to United Air Lines, Inc., Chicago, Ill. Radio direction finder. 2,406,406; Aug. 27.
- Sandretto, Peter C., Chicago, and E. P. Buckhalt, Brookfield, Ill., assignors to United Air Lines, Inc. Radio direction finder. 2,406,637; Aug. 27.
- Sands, William F., West Collingswood, N. J., assignor to Radio Corporation of America. Measurability tuned short-wave spread-band receiver. 2,402,280; June 18.
- Sands, William F., Haddonfield, N. J., assignor to Radio Corporation of America. Locked-in oscillator circuit. 2,411,003; Nov. 12.
- Sands, William J., and A. Greer, Belfast, Northern Ireland. Hitch connecting trailed devices to tractive vehicles. 2,405,980; Aug. 20.
- Sandusky, Julius, Toronto, Ontario, Canada. Electrolyte level control device for storage batteries. 2,408,178; Sept. 24.
- Sanford, Hugh W., assignee: See—
Biddle, William P., Jr., and Sanford.
- Sanford, Hugh W., Jr.: See—
Biddle, William P., Jr., and Sanford.
- Sanford, Hugh W., Jr., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Door latch mechanism. 2,399,708; May 7.
- Sanford, Hugh W., and A. F. Sanford, II, Knoxville, Tenn.; said A. F. Sanford, II, assignor to said H. W. Sanford. Automatically fed furnace. 2,398,710; Jan. 29.
- Sanford, Hugh W., and W. P. Biddle, Jr., Knoxville, Tenn., said Biddle assignor to said Sanford. Magazine feed stove. 2,403,829; July 9.
- Sanford Ink Company, assignee: See—
De Groft, Walter J.
- Sanford Investment Company, The, assignee: See—
Sanford, Hugh W.
- Sanford, Justin H.: See—
Lewis, Warren C., and Sanford.
- Sanford, Selden B., Yonkers, N. Y., and W. G. Nutzel, Nutley, N. J., assignors to Otis Elevator Company, New York, N. Y. Insulating shield for electrolytic tanks. 2,411,638; Nov. 26.
- Sanford, Stanley A., Cleveland, Ohio. Operating blast furnaces. 2,404,461; July 23.
- Sangamo Electric Company, assignee: See—
McBride, Maurice G.
- Sanal, Arthur J., Flushing, N. Y. Sound amplifying apparatus. 2,411,004; Nov. 12.
- Sanitary Tampon Corporation, assignee: See—
Winter, Courtney P.
- Winter, Courtney P., and Rosenthal.
- Sankey, Joseph, & Sons Limited, assignee: See—
Butler, Harold G.
- Sanmyer Corporation, assignee: See—
Senninger, Earl J.
- Sanozone Corporation, assignee: See—
Schaefer, Richard J.
- Santini, Danilo, Teanay, and E. H. Heath, Jersey City, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,403,125; July 2.
- Santolla, Angelo M.: See—
Hall, John L., and Santolla.
- Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check for floating binders. 2,399,762; May 7.
- Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check for looms. 2,399,763; May 7.
- Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Geared thread holder for weft replenishing looms. 2,401,968; June 11.
- Sanymetal Products Co., Inc., The, assignee: See—
Benham, Kent W.
- Sanz, Manuel, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Self-healing container forming material. 2,411,116; Nov. 12.
- Sapper, Charles H., Brooklyn, N. Y. Resetting gauge for internal screw thread cutter. 2,393,195; Jan. 15.
- Sarafin, Boris, Gary, Ind., assignor to The Superheater Company, New York, N. Y. Spring retained closure plug. 2,398,043; Apr. 9.
- Sarazin, Gilles F., assignee: See—
Birkigt, Louis.
- Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Chlorine containing carbonic ester-synthetic rubber composition. 2,395,070; Feb. 19.
- Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adhering rubbery materials to each other and product thereof. 2,395,071; Feb. 19.
- Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of synthetic rubber. 2,395,505; Feb. 26.
- Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Synthetic rubber composition. 2,397,050; Mar. 19.
- Sarco Company, Inc., assignee: See—
Hilmer, Milton, Signarovitz, and Adlam.
- Sardeson, Robert: See—
Dye, Glen M., Sardeson, and Armstrong.
- Sardeson, Robert, and E. H. Savelle, assignors to Pako Corporation, Minneapolis, Minn. Film holding device. 2,410,131; Oct. 29.
- Sardu, Anthony, Brooklyn, N. Y. Overcasting sewing machine. 2,409,592; Oct. 15.
- Sargeant, Walter E., Ferndale, assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,392,068; Jan. 1.
- Sargent & Company, assignee: See—
Brooks, Herbert V.
- Voight, Henry G.
- Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Light-sensitive materials. 2,411,811; Nov. 26.
- Sargent, Donald E., and R. W. Rolison, Jackson, Mich., assignors, by mesne assignments, to Hart-Carter Company, Ill. Sheet metal sleeve construction for harvesters. 2,413,382; Dec. 31.
- Sargent, Edmund L.: See—
Payne, John W., Sargent, and Daley.
- Sargent, Frederick L., Burlingame, and W. J. Crader, Mountain View, Calif. Tire rack. 2,404,534; July 23.
- Sargent, Glenn J., Edgar Springs, Mo. Connection device. 2,397,694; Apr. 2.
- Sargeson, John, Toronto, Ontario, Canada. Hydraulic artificial hand. 2,400,140; May 14.
- Sarkisian, Arthur D., New York, N. Y. Line guide for fishing rods. 2,398,862; Apr. 23.
- Sarris, G. C., assignee: See—
Pallich, Martin B.
- Sartori, Paul, Plymouth, Wis. Curd mixing and kneading machine. 2,407,617; Sept. 10.
- Sarver, Emmett F., assignor of one-half to O. W. Wortman, Wichita, Kans. Method and apparatus for detecting and measuring radiant energy such as light. 2,392,003; Jan. 1.
- Saslaw, Otto, Kearny, N. J., assignor to Federal Telephone & Radio Corporation. Selenium tablet and making and applying it. 2,403,026; July 2.
- Sass, Max, New York, N. Y. Ironing board. 2,404,194; July 16.
- Sassano, Leonard, Lee C., Grosse Pointe Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling. 2,409,593; Oct. 15.
- Satchwell, Leonard, Slough, England. Boiler. Re. 22,793. Sept. 17.
- Sateren, Martin G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,401,024; May 28.
- Sateren, Martin G., Sharon, and W. A. Derr, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,401,023; May 28.
- Sato, Takeo, Honolulu, Hawaii. Cushion for billiard tables. 2,395,645; Feb. 26.
- Sato, Takeo, Tsuromi-ku, Yokohama, Japan; vested in the Alien Property Custodian. Bender for rolled-up metal strip. 2,399,892; May 7.
- Satterlee, Howard A., Sharon, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for controlling rotation. 2,406,855; Sept. 3.
- Satterlee, Howard A., Needham, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for controlling rotation. 2,406,856; Sept. 3.
- Satterlee, Percy: See—
McDonnell, Lester V., and Satterlee.
- Satterlee, Howard A., Dayton, Ohio, assignor to Submarine Signal Company, Boston, Mass. Follow-up system. 2,399,695; May 7.
- Sattler, Percy, Detroit, Mich. Building construction. 2,402,211; June 18.
- Sattler, Hugh J., Philadelphia, Pa. Container. 2,400,716; May 21.
- Satz, Frank, and M. Berns; said Satz assignor of one-half of his right to S. Sontag, Los Angeles, Calif. Sundry apparatus. 2,404,815; July 30.
- Sauder, Noah N., New Holland, Pa. Load handling attachment for tractors. 2,398,119; Apr. 9.
- Sauer, Christian H., Chico, Calif. Coupling device. 2,404,925; July 30.
- Sauer, Christian H., assignor to J. T. Alm, Chico, Calif. Brake system. 2,395,072; Feb. 19.

- Sauer, Christian H., assignor to J. T. Alm, Chico, Calif. Brake. 2,406,440; Aug. 27.
- Sauer, George: *See*—
- Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,400,212; May 14.
- Sauer, George, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,404,818; July 16.
- Sauer, George, Berwyn, A. M. Schweda, and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,393,815; Jan. 29.
- Sauer, Henry, assignor to The Kilborn-Sauer Company, Fairfield, Conn. Dirigible searchlight. 2,410,365; Oct. 29.
- Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Lamp. 2,410,366; Oct. 29.
- Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Preparing organo-polysiloxanes. 2,398,672; Apr. 16.
- Sauer, Urban, Pittsburgh, assignor of two-fifths to H. R. Levy, McKeesport, Pa. Muller. 2,403,403; July 2.
- Saukatis, Albert J., Wayne, assignor to American Chemical Paint Company Ambler, Pa. Pickling inhibitor. 2,403,153; July 2.
- Saul, August A., assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Material handling and like apparatus. 2,400,890; Mar. 28.
- Saul, August A., assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Sheet handling apparatus. 2,406,857; Sept. 3.
- Saun, Arthur M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stretching rolls. 2,413,073; Dec. 24.
- Saunders, Alfred P.: *See*—
- Holmes, Henry H., and Saunders.
- Saunders, Donald J.: *See*—
- Hicks, William E., and Saunders.
- Saunders, Enos P., Berkeley, assignor to Triangle Engineering Company, Ferndale, Mich. Rotary sine index plate. 2,406,906; Sept. 3.
- Saunders, Francis J., Skokie, and A. L. Raymond, Northfield, assignors to G. O. Searle & Co., Skokie, Ill. Pellet for administering gonadotropic pituitary hormones. 2,413,419; Dec. 31.
- Saunders, Frank S., Cardiff, South Wales. Weighing machine. 2,392,702; Jan. 8.
- Saunders, Harold F.: *See*—
- McCord, Andrew T., and Saunders.
- Saunders, Norman H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. Re. 22,820; Dec. 17.
- Saunders, Philip K., Mamaroneck, N. Y. Fluid controlling valve. 2,401,112; May 28.
- Saunders, Philip K., Mamaroneck, assignor to Saunders Valve Company of America, Inc., New York, N. Y. Valve. 2,397,373; Mar. 26.
- Saunders-Roe Limited, assignee: *See*—
- Gouge, Arthur.
- Saunders Valve Company Limited, assignee: *See*—
- Sutton, Frank.
- Saunders Valve Company of America, Inc., assignee: *See*—
- Saunders, Philip K.
- Sausser, Doran E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of synthetic rubber. 2,395,576; Feb. 26.
- Sausser, Doran E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of synthetic rubber. 2,395,507; Feb. 26.
- Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Hydrostatic brake system. 2,396,930; Mar. 12.
- Savage, Albert B., assignor to The Dow Chemical Company, Midland, Mich. Instantaneous recording composition. 2,407,179; Sept. 3.
- Savage, Francis P., Calgary, Alberta, Canada. Meat perforator. 2,396,020; Mar. 5.
- Savage, John O., Trenton, N. J. Tree protector. 2,405,452; Aug. 6.
- Savage, John O., Trenton, N. J. Fruit picker's apparatus. 2,405,453; Aug. 6.
- Savage, John O., Washington, D. C. Master carriage with airplanes for sustaining same. 2,413,074; Dec. 24.
- Savage, Lawrence A., Pelzer, S. C., assignor to The Kendall Company, Boston, Mass. Manufacture of textiles. 2,410,394; Oct. 29.
- Savage, Marion A., Scotia, and M. F. Kent, Schenectady, N. Y., assignors to General Electric Company. Dynamo-electric machine. 2,394,110; Feb. 5.
- Savage, Robert H., Scotia, assignor to General Electric Company. Electrical contact element. 2,393,816; Jan. 29.
- Savage, Robert H., Scotia, N. Y., assignor to General Electric Company. Electrical contact element. 2,404,662; July 23.
- Savage, Robert H., Scotia, N. Y., assignor to General Electric Company. Contact element. 2,411,060; Nov. 12.
- Savage, W. J. Company, Inc., assignee: *See*—
- Fulton, Weston M.
- Saval, Theodore, Sierra Madre, Calif. Shoe. 2,409,902; Oct. 22.
- Savala, Edward H.: *See*—
- Sardeson, Robert, and Savala.
- Saville, William S., Fort Worth, Tex., assignor to Consolidated Machine Aircraft Corporation, San Diego, Calif. Control mechanism for hydraulically operated devices. 2,411,392; Nov. 19.
- Savitz, Christian W.: *See*—
- Sturgess, John, Cade, and Savitz.
- Savitsky, Mark H., Cleveland, Ohio. Eraser for mechanical pencils. Re. 22,717; Feb. 5.
- Savoy, Michael: *See*—
- Bond, Donald C., and Savoy.
- Savrdra, Charles M., Bay Shore, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Ribbing conveyor. 2,397,158; Mar. 26.
- Savrdra, Charles M., Bay Shore, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Method and apparatus for treating fish. 2,406,907; Sept. 3.
- Savrdra, Charles M., Bay Shore, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Apparatus for positioning fish. 2,413,383; Dec. 31.
- Sawin, Kenneth A., Auburndale, assignor to Wheeler Re-flector Company, Boston, Mass. Retaining guard for fluorescent lamps. 2,403,240; July 2.
- Sawtelle, Charles A., Rosedale Gardens, Mich. Wear compensating brake mechanism. 2,411,639; Nov. 26.
- Sawyer, Edward E., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine. Resin-fiber article and making the same. 2,409,645; Oct. 22.
- Sawyer, Emerson D., Chicago, Ill. Yielding barrier. 2,397,330; Mar. 26.
- Sawyer, Emmett B., Fort Belvoir, Va. Gate. 2,393,418; Jan. 22.
- Sawyer, Frank M., Miami, Fla. Shutter operator. 2,397,754; Apr. 2.
- Sawyer, Hilton W.: *See*—
- Parsons, Edwin T., and Sawyer.
- Saxe, Walter E., Alhambra, assignor to The Conveyor Company, Los Angeles, Calif. Weatherproof roller construction. 2,395,147; Feb. 19.
- Saxon, Warren T., Cedar Rapids, Iowa. Tractor. 2,411,061; Nov. 12.
- Saxton, Clarence E., San Diego, Calif. Necktie knot form. 2,411,640; Nov. 26.
- Saxton, Harold L.: *See*—
- Hayes, Harvey C., and Saxton.
- Say, Alan W.: *See*—
- Fugh, Cyril A., and Say.
- Sayer, George, Toronto, Ontario, Canada. Soot catcher for furnaces. 2,396,537; Mar. 12.
- Saylor, Grant S., Ocean Park, Calif. Selector system for printing telegraph apparatus. 2,402,671; June 25.
- Sayward, Dwight H., Cape Elizabeth, Maine. Double culpers. 2,410,686; Nov. 5.
- Sayward, John M.: *See*—
- Dixon, James K., and Sayward.
- Sbarra, Joseph, Mariners Harbor, assignor of one-half to H. Posner, New York, N. Y. Shoe construction. 2,398,044; Apr. 9.
- Sbrilli, Anthony, Atlanta, Ga. Air jet propelled helicopter. 2,396,130; Mar. 5.
- Scaff, Jack H., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of silicon materials. 2,402,582; June 25.
- Scalf, Arthur J., Detroit, Mich. Stack releasing device for motor vehicles. 2,395,909; Mar. 5.
- Scalera, Mario: *See*—
- Lecher, Hans Z., Scalera, and Hardy.
- Lecher, Hans Z., Scalera, and Lester.
- Scarborough, William B., trustee, assignee: *See*—
- Fairchild, Sherman M.
- Gassner, Alfred A.
- Scardino, Ned A.: *See*—
- Williamson, Tom, and Scardino.
- Scarf, Harold M., assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring slotting machine. 2,404,146; July 16.
- Scarlett, Arthur A., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Flow. 22,797; Sept. 3.
- Scarlett, George B.: *See*—
- Miller, Logan C., and Scarlett.
- Seath, Virgil, Bartlesville, Okla., assignor to Phillips Petroleum Company. Extractive distillation with furfural. Re. 22,811; Nov. 12.
- Seath, Virgil, Bartlesville, Okla., assignor to Phillips Petroleum Company. Extractive distillation with furfural. 2,404,253; July 16.
- Schaad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic hydrocarbons. 2,412,229; Dec. 10.
- Schaad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic hydrocarbons. 2,412,230; Dec. 10.
- Schaff, Oliver H., Shaker Heights, assignor to Air-Maze Corporation, Cleveland, Ohio. Frame for filters. 2,395,419; Jan. 22.
- Schaff, Oliver H., Shaker Heights, assignor to Air-Maze Corporation, Cleveland, Ohio. Filter panel. 2,405,716; Aug. 13.

- Schaff, Oliver H., Chagrin Falls, assignor to Air-Maze Corporation, Cleveland, Ohio. Filter panel and sealing means. 2,394,208; Feb. 5.
- Schaff, Oliver H., Chagrin Falls, assignor to Air-Maze Corporation, Cleveland, Ohio. Zig-zag filter construction. 2,398,045; Apr. 9.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Making ring binder structure. 2,399,062; Apr. 23.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Cathode ray beam deflecting circuits. 2,396,476; Mar. 12.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Television system. 2,402,091; June 11.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Television transmitting system. 2,404,098; July 15.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Amplifying system. 2,404,099; July 16.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Blocking impulse generator. 2,411,062; Nov. 12.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,412,291; Dec. 10.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Method and system for developing television signals. 2,413,075; Dec. 24.
- Schade Valve Manufacturing Company, assignee: See—Schiller, Joseph F.
- Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Large aperture objective. 2,397,565; Apr. 2.
- Schadel, Charles H., Houston, assignor of one-half to Eastman Oil Well Survey Company, Dallas, Tex., and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif. Orienting apparatus. 2,405,717; Aug. 13.
- Schaefer, Frederic, Pittsburgh, Pa. Brake lever for railway car brake rigging. 2,392,771; Jan. 8.
- Schaefer, Harold W., assignor to The Harry Alter Company, Chicago, Ill. Indicating apparatus and method. 2,398,046; Apr. 9.
- Schaefer, Langdon C.: See—Spear, Wendell C., and Schaefer.
- Schaefer, Richard J., assignor to Sanozone Corporation, Detroit, Mich. Ozone generating cell. 2,403,241; July 2.
- Schaefer, Donald W., Dayton, Ohio. Torque shaft. 2,394,490; Feb. 5.
- Schaechlin, Walter, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mounting for electrical apparatus. 2,393,071; Jan. 15.
- Schaechlin, Walter, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mine sweeping control. 2,397,209; Mar. 26.
- Schaechlin, Walter, Pittsburgh, and E. H. Hornbarger, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,394,111; Feb. 5.
- Schaefer, Otto, Basel, Switzerland. Automatic milling machine for cutting teeth in rack blanks and transversely grooving the work. 2,405,856; Aug. 13.
- Schafer, Conrad B.: See—Watkins, George B., and Schafer.
- Schafer, John V., Brounson, Mich. Fishing reel. 2,409,154; Oct. 8.
- Schafer, Robert A., assignor to National Automatic Tool Company, Inc., Richmond, Ind. Machine tool. 2,405,718; Aug. 13.
- Schafer, Robert A., and R. B. Rodal, assignors to National Automatic Tool Company, Inc., Richmond, Ind. Remote control apparatus for machine tools. 2,408,957; Oct. 8.
- Schaffer, Hiram D.: See—Haley, Hugh D., and Schaffer.
- Schaffer, Josie, Mount Vernon, N. Y. Interchangeable surgical neck dressing. 2,402,780; June 25.
- Schaffer, Leslie L., and J. Huberman, Vancouver, British Columbia, Canada. Lumber core panel. 2,396,438; Mar. 12.
- Schaffer, Leslie L., Vancouver, British Columbia, Canada. Fluid press. 2,409,393; Oct. 15.
- Schaffert, Roland M.: See—Kreber, Frank W., Gosner, and Schaffert.
- Schaffner, Robert M., Chicago, Ill., assignor to The Guardite Corporation. Vacuum dehydration of beets. 2,402,672; June 25.
- Schaffner, Robert M., Chicago, Ill., assignor to The Guardite Corporation. Vacuum dehydration of peas. 2,402,673; June 25.
- Schaffner, Robert M., Chicago, Ill., assignor to The Guardite Corporation. Vacuum dehydration of pork. 2,402,674; June 25.
- Schaffner, Robert M., Chicago, Ill., assignor to The Guardite Corporation. Dehydration of soybeans. 2,402,675; June 25.
- Schaffner, Robert M., Chicago, Ill., assignor to The Guardite Corporation. Drying navy beans. 2,402,676; June 25.
- Schaffner, Robert M., Chicago, Ill., assignor to The Guardite Corporation. Vacuum dehydration of green beans. 2,402,677; June 25.
- Schaffner, Robert M., Chicago, Ill., assignor to The Guardite Corporation. Vacuum dehydration of corn. 2,402,678; June 25.
- Schaffner, Robert M., Chicago, Ill., assignor to The Guardite Corporation. Vacuum dehydration of carrots. 2,402,679; June 25.
- Schach, Wilbur A., Springfield, Mass. Gas system for firearms. 2,409,225; Oct. 15.
- Schaller, Eugene, Yorktown, Tex. Writing pad. 2,403,197; July 2.
- Schandler, Charles: See—McCarthy, Frederick I.
- Schane, George W.: See—Montgomery, Robert, and Schane.
- Schantz, Jacob M., assignor to Hercules Powder Company, Wilmington, Del. Lubricating grease. 2,399,063; Apr. 23.
- Schantz, John J., assignor to Ex-Cell-O Corporation, Detroit, Mich. Dressing device for grinding wheels. 2,398,451; Apr. 16.
- Schantz, Joseph D., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Television signal amplifier. 2,396,023; Mar. 5.
- Schantz, Joseph D., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Color television film scanning system. 2,412,098; Dec. 3.
- Schaper, Leonard W., Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Lock nut. 2,394,491; Feb. 5.
- Scharenberg, Elmer M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Building form. 2,394,492; Feb. 5.
- Scharf, Frank W., San Gabriel, Calif., assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 2,408,886; Oct. 8.
- Scharmann, Walter G., Westfield, N. J., assignor to Standard Oil Development Company. Treatment of catalyst. 2,400,025; May 7.
- Scharwath, Clemens G., Long Branch, N. J. Self-insulated conduit. 2,410,308; Oct. 29.
- Schaub, Fred H., Engineering Co., assignee: See—Binford, Benjamin L.
- Schauble, Henry C.: See—Schauble, Richard I., and H. C.
- Schauble, Richard I., and H. C., Kansas City, Mo. Razor blade sharpener. 2,398,255; Apr. 9.
- Schauer, Lawrence B.: See—Davidson, Trevor O., and Schauer.
- Schauer, Lawrence L., Wyoming, and J. H. McKewen, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Tripping mechanism. 2,401,276; May 21.
- Schauer, Ozni E., Cincinnati, and P. H. Long, Middletown, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Apparatus for sampling workpieces. 2,400,603; May 21.
- Schaufus, Henry S., Baltimore, Md., assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Alloy steel articles. 2,400,842; May 21.
- Schauweker, George H., assignor to American Optical Company, Southbridge, Mass. Eye protection device. 2,407,518; Sept. 10.
- Schauweker, George H., assignor to American Optical Company, Southbridge, Mass. Eye protection device. 2,410,184; Oct. 29.
- Scheel, Carl H., assignee: See—Ware, Hiram C.
- Scheeline, Harold W., Elizabeth, N. J., assignor to Standard Oil Development Company. Recovery of secondary olefins from acid extracts. 2,407,356; Sept. 10.
- Scheeline, Harold W., Elizabeth, N. J., assignor to Standard Oil Development Company. Butadiene manufacture. 2,412,911; Dec. 17.
- Scheer, George B.: See—Rhoades, Donald A., and Scheer.
- Scheffer, Raymond J., assignee: See—Sprague, Earl E.
- Scheibl, James R.: See—Bergsteinsson, Ingolfur, Scheibl, and Dickey.
- Scheidemantel, Herman B.: See—Luth, Harold J., Scheidemantel, and Krupnick.
- Schellum, Siegel A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra-high frequency resonant cavities. 2,405,612; Aug. 13.
- Schellenberg, Albert, Joliet, Ill. Rinse wringer. 2,403,126; July 2.
- Schellenberg, Albert, Joliet, Ill. Rinse wringer. 2,403,085; Aug. 20.
- Schellenberg, Albert, Joliet, Ill. Rinse wringer. 2,406,109; Aug. 20.
- Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable cavity resonator. 2,410,109; Oct. 29.
- Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generator. 2,411,898; Dec. 3.

- Schellens, Eugene L., Essex, and N. E. Gibbs, Old Lyme, assignors to The R. W. Cramer Company, Incorporated, Centerbrook, Conn. Radio transmission apparatus. 2,409,155; Oct. 8.
- Scheller, Rudolf J., Hickory, N. C. Carrier for full-fashioned knitting machines. 2,407,103; Sept. 3.
- Schelschmidt, Alvin E.: *See—*
- Briskin, Theodore S., Zivny, Schellschmidt, and Golek.
- Scheminger, John, Jr., Providence, R. I. Board for use in slicing thin slices. 2,398,192; Apr. 9.
- Schenk, Edouard: *See—*
- Jager, Howard M., and Schenk.
- Schenkelberg, William P., Carroll, Iowa. Harrow attachment for tractors. 2,413,657; Dec. 31.
- Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Window construction. 2,395,073; Feb. 19.
- Scherb, Walter R., Silver Lake, Staten Island, assignor to Western Electric Company, Incorporated, New York, N. Y. Locking device. 2,398,466; Apr. 16.
- Scherbatskov, Serge A., Tulsa, Okla., assignor to Seismic Engineering Company, Dallas, Tex. Seismometer. 2,411,117; Nov. 12.
- Scherer, John O., assignor to Gelatin Products Corporation, Detroit, Mich. Capsule. 2,397,051; Mar. 19.
- Scherer Corporation, assignee: *See—*
- Dohrn, Max, and Diedrich.
- Inhoffen, Hans H.
- Oberdorfer, Manfred, Büttenandt, Schmidt-Thomé, and Maier-Hüser.
- Schneider, Walter, Inhoffen, Steinruck, and Höss.
- Serini, Arthur, and Steinruck.
- Scherl, Egon B., New York, N. Y., assignor to The Linde Air Products Company. Electric welding. 2,405,673; Aug. 13.
- Schermuly, Alfred J.: *See—*
- Schermuly, Conrad D. A. J., and C.
- Schermuly, Charles: *See—*
- Schermuly, Conrad D. A. J., and C.
- Schermuly, Conrad D. A. J., and C., Parkgate, Newdigate, England. Storing lines. 2,402,093; June 11.
- Schermuly, Conrad D. A. J., and C., assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, England. Mounting for guns or dischargers. 2,405,069; July 30.
- Schermuly, Conrad D. A. J., and C., Parkgate, Newdigate, assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, England. Illuminating flare. 2,409,905; Oct. 22.
- Schermuly Pistol Rocket Apparatus Limited, assignee: *See—*
- Schermuly, Conrad D. A. J., and C.
- Scherrer, Harry A., San Diego, Calif. Lawn sprinkler. 2,403,953; July 16.
- Schesser, Ermen C., Rockford, Ill. Infinitely rotatably adjustable connection. 2,400,656; May 21.
- Schetty, Guido: *See—*
- Conzetti, Achille, and Schetty.
- Schetty, Guido, assignor to J. R. Geigy A. G., Basel, Switzerland. Water-soluble disazo dyestuffs and their manufacture. 2,399,064; Apr. 23.
- Scheu, Albert J., assignee, et al.: *See—*
- Walsh, John J.
- Scheu, Donald R.: *See—*
- Slingluff, Eugene L., and Scheu.
- Schepflein, Ernest G., Princeton, N. J. Cooking vessel. 2,393,420; Jan. 22.
- Schleicher, John N., San Gabriel, Calif. Fire hose rack. 2,397,293; Mar. 26.
- Schick, Eugene G., Dallas, Tex., assignor to Schick-Siegal Industries, Los Angeles, Calif. Oil well choke. 2,401,665; June 4.
- Schick Incorporated, assignee: *See—*
- Hurt, Albert E.
- Schick, John R., Santa Ana, Calif., assignor to Radio Corporation of America. Radiation sensitive relay system. 2,413,076; Dec. 24.
- Schick-Siegal Industries, assignee: *See—*
- Schick, Eugene G.
- Schieder, Pierre, New York, and R. S. Richardson, Scarsdale, assignors to Chemical Construction Corporation, New York, N. Y. Apparatus for the manufacture of formaldehyde. 2,406,908; Sept. 3.
- Schlehdreier, Mathew, St. Charles, Mo. Seed aspirator feeder and classifier. 2,411,812; Nov. 26.
- Schleffelin & Co., assignee: *See—*
- Tallman, Ralph C., and Stuart.
- Schield, Vern L., Waverly, Iowa. Shovel. 2,402,299; June 18.
- Schield, Vern L., Waverly, Iowa. Earth moving device. 2,405,981; Aug. 20.
- Schier, Joseph, Binghamton, N. Y. Self-cleaning comb and case therefor. 2,405,372; Aug. 6.
- Schleseler, Fred J., Pearisburg, Va., assignor to Celanese Corporation of America. Fiber treatment. 2,406,407; Aug. 27.
- Schietinger, James R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Soldering apparatus. 2,397,052; Mar. 19.
- Schib, Evelyn R.: *See—*
- Langsteh, August M., and Schib.
- Schildknecht, Calvin E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilization of vinyl ether polymers. 2,395,684; Feb. 26.
- Schilla, Vincenc: *See—*
- Rogers, Donald H., and Schilla.
- Schiller, Harold, Los Angeles, and A. Shapiro, Monrovia, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Purifying oil field waters. 2,407,180; Sept. 3.
- Schiller, Joseph F., Drexel Hill, assignor to Schade Valve Manufacturing Company, Philadelphia, Pa. Valve. 2,408,000; Sept. 24.
- Schilling, J. L., Co. assignee: *See—*
- Banks, Joseph L. R.
- Schilling, Joseph L., assignee, et al.: *See—*
- Banks, Joseph L. R.
- Schilling, Karl F., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of ores. 2,400,213; May 14.
- Schilling, Robert, assignor to General Motors Corporation, Detroit, Mich. Fluid sealing device. 2,399,764; May 7.
- Schilling, Byron J., Beloit, Wis. Tree pruning saw. 2,399,393; Apr. 30.
- Schindler, Carl: *See—*
- Kyle, William D., Jr., and Schindler.
- Schindler, Hans, Evanston, assignor to The Pure Oil Company, Chicago, Ill. Rust inhibitor for turbine oil. 2,398,120; Apr. 9.
- Schindler, Hans, Evanston, assignor to The Pure Oil Company, Chicago, Ill. Removal of sulphur compounds from hydrocarbon polymers. 2,405,905; Aug. 13.
- Schindler, Hans, Evanston, and L. M. Henderson, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Turbine oil. 2,405,906; Aug. 13.
- Schinke, Kurtiss P., assignee: *See—*
- Somervell, Somervell B.
- Schinske, William G., assignor, by mesne assignments, to Ideal Industries, Inc., Sycamore, Ill. Auto charger. 2,410,827; Nov. 5.
- Schirm, Erik: *See—*
- Hentrich, Winfrid, and Schirm.
- Hentrich, Winfrid, Engelbrecht, and Schirm.
- Schleif, Louis, Flushing, N. Y. Clothes drier. 2,406,638; Aug. 27.
- Schjolin, Hans O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Two stage propeller shaft. 2,394,405; Feb. 5.
- Schjolin, Hans O., Birmingham, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Turbodrives and control. 2,399,709; May 7.
- Schjolin, Hans O., Pontiac, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Turbodrives and controls. 2,403,954; July 16.
- Schjonberg, Carl S.: *See—*
- Larsen, Merwin J., Houghton, and Schjonberg.
- Schlage, Walter H., Burlingame, Calif. Face plate. 2,410,462; Nov. 5.
- Schlanger, Benjamin, New York, N. Y. Changeable letter sign. 2,395,197; Feb. 19.
- Schlauck, Joel, Jersey City, N. J. Garment hanger. 2,401,969; June 11.
- Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electromagnetic switch coil mounting. 2,399,065; Apr. 23.
- Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electromagnetic switch. 2,399,575; Apr. 30.
- Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Spring mounting and assembly for snap-action electric switches. 2,408,274; Sept. 24.
- Schlenk, Edwin J., Milltown, N. J., assignor to Hercules Rubber Company, Wilmington, Del. Chlorinated rubber and producing. 2,401,194; May 28.
- Schlenker, Max E.: *See—*
- Boiser, Elmer H., Berninger, and Schlenker.
- Schlesinger, Edgar E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler mechanism. 2,399,263; Apr. 30.
- Schlesinger, Jacob, assignor to Man-Sew Pink Attachment Corp., New York, N. Y. Garment trimming apparatus. 2,397,953; Apr. 9.
- Schlesinger, Kurt, West Lafayette, Ind., assignor to Radio Corporation of America. Electron tube circuits. 2,396,439; Mar. 12.
- Schlesinger, Kurt, West Lafayette, Ind., assignor to Radio Corporation of America. Electron tube circuit. 2,403,955; July 16.
- Schlesinger, Kurt, West Lafayette, Ind., assignor to Radio Corporation of America. Storage amplifier circuit. 2,403,956; July 16.
- Schlesinger, Sol O., New York, N. Y. Uniform cap frame. 2,393,270; Jan. 22.
- Schlesman, Carleton H.: *See—*
- Denton, William I., and Schlesman.

- Schleter, George C.: *See*—
Schrenk, Matthew H., and Schleter.
- Schlicksupp, Theodore F., Long Island City, N. Y. Differential gear. 2,397,374; Mar. 26.
- Schlicksupp, Theodore F., Long Island City, N. Y. Feeding mechanism for quilting machines and the like. 2,410,240; Oct. 29.
- Schlieben, Ernest W.: *See*—
Read, Robert C., and Schlieben.
- Schlieben, Ernest W., Scarsdale, assignor to York Research Corporation, New York, N. Y. Cargo aircraft. 2,404,195; July 16.
- Schleder, Harold A., assignor to Northern Equipment Company, Erie, Pa. Feed water regulating apparatus for boilers. 2,401,512; June 4.
- Schliwa, Adolph M., Milwaukee, and F. E. Anderson, Wauwatosa, Wis. Golf bag carrier. 2,405,674; Aug. 13.
- Schloss, Irvin E., Towson, assignor to one-half to A. Sohn, Baltimore, Md. Golf club head protector. 2,396,021; Mar. 5.
- Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Mixed thio ethers. 2,392,103; Jan. 1.
- Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Production of cellulosic products. 2,393,817; Jan. 29.
- Schlosser, Paul H., J. V. Bennett, and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Cuprammonium process. 2,395,015; Feb. 19.
- Schlueter, Ernest, Hollis, assignor to C. A. Simmons, New York, N. Y. Nut lock. 2,395,234; Feb. 19.
- Schlumberger Well Surveying Corporation, assignee: *See*—
Allen, Charles B.
Dik, Henri-Georges.
Steward, Wendell B.
Walstrom, John E.
- Schlumbohm, Peter, New York, N. Y. Priessnitz compress. 2,393,446; Jan. 22.
- Schlumbohm, Peter, New York, N. Y. Compressor. 2,404,890; July 30.
- Schlumbohm, Peter, New York, N. Y. Device for vacuum filtration. 2,409,926; Feb. 13.
- Schlumbohm, Peter, New York, N. Y. Decanter flask. 2,411,340; Nov. 19.
- Schlumbohm, Peter, assignor to Propane Development Corporation, New York, N. Y. Refrigerating and heating installation. 2,396,887; Mar. 19.
- Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Bobbin marking mechanism. 2,404,462; July 23.
- Schmach, Elmer, Rock Island, Ill. Earth excavator. 2,404,920; July 30.
- Schmeiser, Theodore G., Fresno, Calif. Bearing mounting for earthworking roller units. 2,404,535; July 23.
- Schmerling, Louis: *See*—
Ipatieff, Vladimir N., and Schmerling.
- Schmerling, Louis, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic compounds. 2,393,818; Jan. 29.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of haloanated hydrocarbons. 2,399,612; Apr. 30.
- Schmerling, Louis, assignor to Universal Oil Products Company, Chicago, Ill. Production of ethylbenzene. 2,409,802; Oct. 22.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of naphthenes. 2,404,100; July 16.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of hydrocarbons. 2,406,110; Aug. 20.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of branched chain paraffinic hydrocarbons. 2,413,384; Dec. 31.
- Schmerling, Louis, Riverside, Ill., and A. M. Durinski, Monroe, La., assignors to Universal Oil Products Company, Chicago, Ill. Treatment of aromatic hydrocarbons. 2,402,092; June 11.
- Schmerling, Louis, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatics with a ferrous chloride catalyst. 2,402,847; June 25.
- Schmerling, Louis, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of hydrocarbons. 2,404,536; July 23.
- Schmerling, Louis, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,404,537; July 23.
- Schmerling, Louis, and V. N. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of arylalkene hydrocarbons. 2,404,538; July 23.
- Schmerling, Louis, and V. N. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of isoparaffins. 2,404,927; July 30.
- Schmerling, Louis, and V. N. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic reactions. 2,406,639; Aug. 27.
- Schmerling, Louis, Riverside, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of alkylated aromatic compounds. 2,410,553; Nov. 5.
- Schmerling, Louis, and V. M. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Preparation of aldehydes and acetals. 2,412,012; Dec. 3.
- Schmid, Emil, Washington, D. C. Combined stretcher or litter and bed. 2,396,931; Mar. 19.
- Schmid, Herman, and A. P. Hobush, Mount Marion, N. Y. Impulse coupling for ignition magnetics. 2,394,938; Feb. 12.
- Schmid, Herman, and A. P. Hobush, Mount Marion, N. Y. Arrestor member for impulse couplings. 2,394,939; Feb. 12.
- Schmid, Leopold J., assignor to A. H. Thomas Company, Philadelphia, Pa. Connector for chemical and laboratory tubing. 2,397,438; Mar. 26.
- Schmid, Max, Riehen, and E. Moser, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Heterocyclic stilbene azodystuffs. 2,399,066; Apr. 23.
- Schmidt, Otto: *See*—
Conzetti, Achille, and Schmid.
- Schmidt, Paul, Jamaica, and H. Hyton, assignors to Acme Air Appliance Co., Inc., Brooklyn, N. Y. Vulcanizer. 2,404,989; July 30.
- Schmidhuber, Ludwig, and W. G. Nelson, Jr., Buffalo, and G. W. Hill, Kenmore, N. Y. Key holder. 2,395,235; Feb. 19.
- Schmidt, Benjamin F., Los Angeles, Calif. Inspection light. 2,396,440; Mar. 12.
- Schmidt, Benjamin F., Los Angeles, Calif., assignor to Adel Precision Products Corp. Adjustable conduit support for bulkheads. 2,404,539; July 23.
- Schmidt, Bernard L., New York, N. Y. Composition for making mold. 2,398,047; Apr. 9.
- Schmidt, Edgar H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thread breaker. 2,392,268; Jan. 1.
- Schmidt, Edward, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill. Seat. 2,396,022; Mar. 5.
- Schmidt, Edward, Andover, assignor to Lombard Governor Corporation, Andam, Mass. Rotary pump. 2,407,748; Sept. 17.
- Schmidt, Edward F., Spokane, Wash. Harvester. 2,401,513; June 4.
- Schmidt, Edwin X., Nashota, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Method of and apparatus for measuring and recording gas interchangeability. 2,399,830; May 7.
- Schmidt, Ernst, Akron, Ohio, assignor to The Firestone Tire & Rubber Company. Latex activator. 2,404,585; July 23.
- Schmidt, Eugene, Oak Park, Ill., assignor to Charles O. Moore. Clamping device. 2,393,659; Jan. 29.
- Schmidt, Frank, Iola, Wis. Soldering iron. 2,393,480; Jan. 22.
- Schmidt, George, Los Angeles, Calif. Wrist watch bracelet. 2,398,723; Apr. 9.
- Schmidt, Germain, and C. Edwards, assignors to Compafia Industrial, Valparaiso, Chile. Manufacture of soap from sperm oil. 2,393,421; Jan. 22.
- Schmidt, Henry F., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid treatment and apparatus therefor. 2,398,048; Apr. 9.
- Schmidt, Henry F., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Blower apparatus. 2,403,878; July 9.
- Schmidt, John G., assignor to A. V. Whittington, Detroit, Mich. Collar chuck. 2,399,831; May 7.
- Schmidt, Laura O., assignee, et al.: *See*—
Schmidt, Reinhold C., Sr.
- Schmidt, Lionel A., Fairview Village, assignor to The National Tool Company, Cleveland, Ohio. Machine and method for grinding hobs and the like. 2,395,910; Mar. 5.
- Schmidt, Lloyd K., assignee, et al.: *See*—
Gordon, George C., and Blackwelder.
- Schmidt, Marvin T., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Paint composition from aqueous and non-aqueous vehicle. 2,401,636; June 4.
- Schmidt, Marvin T., assignor to United States Gypsum Company, Chicago, Ill. Aqueous emulsion paint. 2,404,463; July 23.
- Schmidt, Otto, Ludwigshafen-on-the-Rhine, Germany, assignor, by virtue of assignments, to General Aniline & Film Corporation, New York, N. Y. Production of resin alcohols. 2,392,952; Jan. 15.
- Schmidt, Reinhold C., Jr., assignee, et al.: *See*—
Schmidt, Reinhold C., Sr., Pittsburgh, assignor of one-third to R. C. Schmidt, Jr., McKeesport, and one-third to L. O. Schmidt, Pittsburgh, Pa. Wax applicator. 2,396,973; Mar. 19.
- Schmidt, Richard A., Vallejo, Calif. Mortise gauge and cutting tool. 2,399,145; Apr. 23.
- Schmidt, Robert C., assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,413,385; Dec. 31.
- Schmidt, Rudolf, Passau-on-the-Iser, Germany; vested in the Alien Property Custodian. Weaver's shuttle. 2,404,749; July 23.

- Schmidt-Thomé, Joseph: *See*—
Oberdörfer, Manfred, Bütenandt, Schmidt-Thomé, and Maier-Hüser.
- Schmidt, Walter, Frankfurt-on-the-Main, Germany; vested in the Alien Property Custodian. Producing methacrylyl chloride. 2,396,609; Mar. 12.
- Schmidt, Walter M., and D. K. Townsend, assignors to Western Precipitation Corporation, Los Angeles, Calif. Collecting electrode structure. 2,412,912; Dec. 17.
- Schmidt, William A.: *See*—
Gladfelter, Willie L., and Schmidt.
- Schmidt, William D., Worcester, Mass. Gage. 2,404,750; July 23.
- Schmied, Joseph M., Chicago, Ill. Electrical indicator unit. 2,396,538; Mar. 12.
- Schmied, William F.: *See*—
Messenger, Robert P., Johnson, and Schmied.
- Schmied, William F., Blue Island, Ill., assignor to International Harvester Company. Manure spreader having adjustable feed mechanism. 2,407,104; Sept. 3.
- Schmitt, Louis D., Savannah, Ill. Valve construction. 2,409,517; Oct. 15.
- Schmittkons, George E.: *See*—
Thiele, Ernest W., Schmittkons, and Hull.
- Schmitt, Arthur C.: *See*—
Marisic, Milton M., and Schmitt.
- Schmitt, Edwin H., Cincinnati, Ohio. Gauge. 2,404,751; July 23.
- Schmitt, George P., assignor to Cardinal Products Inc., New York, N. Y. Smoking implement. 2,402,680; June 25.
- Schmitt, Henry M., Glenside, assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,404,891; July 30.
- Schmitt, Herman, Sheboygan, Wis. Elevating and steering mechanism for aircraft. 2,405,907; Aug. 13.
- Schmitt, Joy B., and A. J. Attinger, assignors to The De Vilbiss Company, Toledo, Ohio. Atomizer. 2,398,467; Apr. 16.
- Schmitz, Henry A., Jr., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Storage tank. 2,395,685; Feb. 26.
- Schmitz, Werner, Grenchen, Switzerland. Watchcase. 2,399,832; May 7.
- Schmitz, William R., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for production of alkali cellulose. 2,392,269; Jan. 1.
- Schneebelen, Paul A., Toledo, Ohio. Armature winder. 2,409,394; Oct. 15.
- Schneekloth, Harry H., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,413,001; Dec. 24.
- Schneible, Claude B., Detroit, Mich. Entrainment separator. 2,403,830; July 9.
- Schneible, Claude B., Detroit, Mich. Separating apparatus. 2,406,441; Aug. 27.
- Schneider, Adolf G.: *See*—
Schneider, Heinrich and A. G.
- Schneider, Alexander W.: *See*—
Hoehn, William M., and Schneider.
- Schneider, Arthur J.: *See*—
Fridonoff, Eric L., and Schneider.
- Schneider, Benjamin B., assignee: *See*—
Podbielniak, Walter J.
- Schneider Brothers Company, assignee: *See*—
Schneider, Heinrich.
- Schneider, Heinrich and A. G.
Schneider, David W., Chicago, Ill. Printing press. 2,397,063; Mar. 19.
- Schneider, Elbert D., Scotia, N. Y., assignor to General Electric Company. Electric heating system. 2,398,673; Apr. 16.
- Schneider, Emil C., Sound Bound Brook, N. J. Automatic stoker. 2,393,422; Jan. 22.
- Schneider, Emmor V., assignor to Alliance Manufacturing Company, Alliance, Ohio. Dual speed phonograph. 2,392,193; Jan. 1.
- Schneider, Frank H., assignor to Florence Stove Co., Gardner, Mass. Pot burner. 2,395,765; Feb. 26.
- Schneider, Friedrich, Hagen, Germany; vested in the Alien Property Custodian. Electric storage battery. 2,394,333; Feb. 5.
- Schneider, George, Montclair, N. J., and M. E. Martin, Cumberland, Md., assignors to Chinese Corporation of America. Lining materials. 2,398,049; Apr. 9.
- Schneider, Heinrich, Hamilton, Ohio, assignor to Schneider Brothers Company. Two-cycle internal-combustion engine. 2,393,341; Jan. 22.
- Schneider, Heinrich, Hamilton, Ohio, assignor to Schneider Brothers Company. Two-cycle internal-combustion engine. 2,393,342; Jan. 22.
- Schneider, Heinrich, Hamilton, Ohio, assignor to Schneider Brothers Company, a co-partnership composed of H. and E. Schneider, Hamilton, Ohio, and A. G. and E. Schneider, Muncie, Ind. Clutch. 2,398,806; Apr. 23.
- Schneider, Heinrich, Hamilton, Ohio, and A. G. Schneider, Muncie, Ind., assignors to Schneider Brothers Company. Rotary hydraulic torque converter. 2,410,185; Oct. 29.
- Schneider, Helmuth G.: *See*—
Van Gilder, Carl F., and Schneider.
- Schneider, Helmuth G., Roselle, and J. E. J. Kane, Elizabeth, N. J., assignors to Standard Oil Development Company. Chemical process. 2,406,041; Aug. 20.
- Schneider, Henry J., Rochester, N. Y., and L. G. Simpson, deceased, Inglewood, Calif., by E. V. Simpson, administratrix. Rochester, N. Y. Fluid pressure actuating mechanism. 2,392,772; Jan. 8.
- Schneider, John H.: *See*—
Jackson, Carey B., Schneider, and Yant.
- Schneider, Kurt K., Lindcott, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,394,637; Feb. 12.
- Schneider, Rudolph G., assigned to American Furniture & Toy Company, Houston, Tex. Rocking toy. 2,409,803; Oct. 22.
- Schneider, Walter E., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet feeding apparatus. 2,402,453; June 18.
- Schneider, Wendel M., Chicago, Ill. Photographic control means. 2,412,292; Dec. 10.
- Schnell, William H., Milwaukee, Wis. Collet chuck. 2,397,159; Mar. 26.
- Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Combined air hydraulic pressure actuating system. 2,405,759; Aug. 13.
- Schneider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. d (+)-alpha, gamma-dihydroxy-beta-hydroxybutyric-acid-(hydroxy-alkyl)-amides and the manufacture of same. 2,413,077; Dec. 24.
- Schneebelen, Earl L., Rock Island, Ill. Dynamic and static balancing machine. 2,412,473; Dec. 10.
- Schoch, Fred C., Oak Park, Ill. Door lock. 2,394,719; Feb. 12.
- Schock, Gusmer & Co., Inc., assignee: *See*—
Schock, Robert C.
- Schock, Robert C., New Rochelle, N. Y., assignor to Schock, Gusmer & Co., Inc., Hoboken, N. J. Mash and wort separator and separating wort from mash. 2,399,710; May 7.
- Schock, Robert E., Riverhead, N. Y., assignor to Radio Corporation of America. Remote control of radio receivers. 2,404,101; July 16.
- Schoeller, Walter, Berlin-Charlottenburg, H. H. Inhofen, Berlin-Wilmersdorf, K. Steindruck, Berlin-Tegel, and O. Höss, Berlin N65, Germany, assignors to Schoening Corporation, Bloomfield, N. J. Derivatives of the dialkyl ethane- and di-ethyl ether series and making the same. 2,392,864; Jan. 15.
- Schoen, Ardrey, Binghamton, N. Y., and L. L. Patterson, Arlington, Va., assignors to General Aniline & Film Corporation, New York, N. Y. Method and composition of producing fine lines photographically. 2,393,821; Jan. 29.
- Schoenberger, Philip J., West St. Paul, Minn. Receptacle. 2,399,604; Apr. 30.
- Schoenbrun, Maurice, assignee: *See*—
Stockman, Irving.
- Schoenfeld, David M.: *See*—
Armacost, William H., and Schoenfeld.
- Schoenfeld, David M., assignor to Combustion Engineering Company, Inc., New York, N. Y. Cooled boiler casing. 2,393,822; Jan. 29.
- Schoenfeld, Frank K., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber-like multipolymers of butadiene hydrocarbons, vinylidene chloride and acrylic compounds. 2,394,406; Feb. 5.
- Schoenfeld, Frank K., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heat polymerization of vinyl halides. 2,395,344; Feb. 19.
- Schoefeld, Joseph, Fairfax, Calif. Piston and guide structure for engines of the reciprocating piston type. 2,395,911; Mar. 5.
- Schoenfeld, Kurt F. E., Stafford, Va., and E. W. Fowler, Amherst, N. Y., Engine. 2,406,752; July 3.
- Schoenlaub, Robert A., Tiffin, Ohio, assignor to Owens-Corning Fiberglas Corporation. Colored glass fibers. 2,394,493; Feb. 5.
- Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Plastic bonding basic refractories. 2,406,909; Sept. 3.
- Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Treatment of refractory materials. 2,406,910; Sept. 3.
- Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Refractory lining of metallurgical structures. 2,407,725; Sept. 17.
- Schofield, Cecil: *See*—
Whitehouse, Irving, Schofield, and Cummings.
- Schofield, Earl L., Auburn, Ind., assignor to Honey Motor Company, Freeport, Ill. Ambulance ventilation system. 2,398,894; Apr. 23.
- Schofield, Philip F., Cleveland Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Starter test stand. 2,405,060; July 30.
- Scholes, Addison B., Danvers, and A. Bratt, assignors to Sylvania Electric Products Inc., Salem, Mass. Apparatus for fabricating lamp stems. 2,392,796; Jan. 8.

- Scholes, Richard T., Hinsdale, Ill. Rail fastening means. Re. 22,778; Aug. 6.
- Schofield, Richard P., assignor to Schofield Service, Inc., New York, N. Y. Filing apparatus. Re. 22,765; June 11.
- Schofield, Richard P., assignor to Schofield Service, Inc., New York, N. Y. Filing apparatus. 2,413,078; Dec. 24.
- Schofield Service, Inc., assignee: See—
- Schofield, Richard P.
- Scholl, Clark, assignor to The Steel Products Engineering Company, Springfield, Ohio. Combustion apparatus. 2,395,888; Mar. 19.
- Scholl Mig. Co., Inc. assignee: See—
- Bergman, Raymond W.
- Curtze, Max.
- Scholl, William M., Chicago, Ill. Plastic arch support. 2,401,514; June 4.
- Scholl, William M., Chicago, Ill. Arch support. 2,409,960; Oct. 22.
- Scholler, Heinrich, Munich, Germany; vested in the Alien Property Custodian. Processing of wood sugar solution. 2,394,334; Feb. 5.
- Scholz, Caesar R., See—
- Djerassi, Carl, Huttner, and Scholz.
- Scholz, Louis A., Dayton, Ohio. Automatic turret for aerial cameras. 2,410,842; Nov. 12.
- Scholz, Rudolph, Dover, N. J. Bottle lugger. 2,399,893; May 7.
- Schon, Pierre, assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Dual motor control. 2,408,098; Sept. 24.
- Schölander, Nils G., Stockholm, Sweden. X-ray screening apparatus. 2,407,938; Sept. 17.
- Schönberg, Jackson R., Westfield, and H. J. Moyer, Summit, N. J., assignors to Standard Oil Development Company. Treating hydrocarbons. 2,392,773; Jan. 8.
- Schönberg, Jackson R., Westfield, and D. L. Campbell, Roselle Park, N. J., assignors to Standard Oil Development Company. Regeneration of cracking catalysts. 2,412,696; Dec. 17.
- Schontzler, Rudolph I., Shaker Heights, Ohio. Combined door-hinging, door-checking, and door-holding device. 2,394,014; Feb. 5.
- Schontzler, Rudolph I., Shaker Heights, Ohio. Combined door-hinging, door-checking, and door-holding device. 2,405,719; Aug. 13.
- Schonthal, Leopold, New York, assignor of one-third to E. Roth, Elmsford, and one-third to N. Jarvis, New York, N. Y. Safety pocket lock. 2,408,688; Oct. 1.
- Schoof, Ralph T., Dodge City, Kans. Folding chair. 2,403,558; Jan. 22.
- Schooler, Charles W., Genesee, Idaho. Feeder reel for threshers. 2,393,823; Jan. 29.
- Schorer, Otto J., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Lubricating system for rock drills. 2,408,934; Oct. 1.
- Schorn, Carl F., Detroit, Mich., assignor to G. M. and E. Holley, Fuel metering means. 2,397,984; Apr. 9.
- Schorn, Carl F., Detroit, Mich., assignor to G. M. and E. Holley. Power control. 2,412,360; Dec. 10.
- Schott, John F.; See—
- Blair, George W., Schott, and Faulk.
- Schott, Rudolph D., Los Gatos, Calif., assignor, by mesne assignments, to Fairbanks, Morse & Co. Impeller mounting. 2,407,348; Sept. 10.
- Schotte, Herbert, Berlin-Charlottenburg, and R. Ebert, Berlin-Halensee, Germany, assignors to Sherka Chemical Co., Inc., Bloomfield, N. J. Insecticides. 2,392,067; Jan. 1.
- Schottenberg, Harold W., Youngstown, and J. J. Volosin, Poland, Ohio. Arc welding rod holder. 2,394,877; Feb. 12.
- Schottwefer, Joseph G., Detroit, Mich. Ventilated water closet or toilet. 2,395,236; Feb. 19.
- Schrader, Herbert, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y. Closing sheet metal containers. 2,406,911; Sept. 3.
- Schrader, Herbert E., Elgin, Ill., assignor to Link-Belt Company. Elevator. 2,394,638; Feb. 12.
- Schrader, Leo W.; See—
- Bunn, Charles H., Jr., and Schrader.
- Donahue, John E., and Schrader.
- Schrader, Leo W., Elizabeth, N. J., assignor to Standard Oil Development Company. High-temperature valve. 2,412,913; Dec. 17.
- Schrader, Raymond C., Peoria, assignor to V. Ray Van Wey, Pekin, Ill. Broken stud remover. 2,408,450; Oct. 1.
- Schramm, Arthur G., Phoenix, Ariz. Riding dolly. 2,410,241; Oct. 29.
- Schramm, Roy A., and E. S. Wisniewski, Bay City, Mich. Display form. 2,397,818; Apr. 2.
- Schramm, William M., Pasadena, Md. Salvaging unit. 2,397,210; Mar. 26.
- Schreck, Henry, Jackson Heights, assignor to American Locomotive Company, New York, N. Y. Internal-combustion engine. 2,395,769; Feb. 26.
- Schreck, Henry, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Hydraulic operation of mechanism. 2,396,392; Mar. 12.
- Schreck, Henry, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Gas engine. 2,397,511; Apr. 2.
- Schreck, Henry, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Control for fuel introduction to engine cylinders. 2,412,361; Dec. 10.
- Schreck, Irvin F., Cleveland Heights, Ohio. Industrial truck. 2,395,345; Feb. 19.
- Schreib, Joseph, Baltimore, Md. Self-lubricating and coloring projectile. 2,398,895; Apr. 23.
- Schreiber, Carl W., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for burning off glassware. 2,402,452; June 18.
- Schreiber, John H., St. Louis, Mo. Container or conduit. 2,402,781; June 25.
- Schreiber, Max, Philadelphia, Pa., and A. Stebbins, Delanco, assignors to Century Mills, Riverside, N. J. Thread cutter. 2,407,578; Sept. 10.
- Schreiber, Walter T., Auburn, Ala., assignor to the United States of America, as represented by the Secretary of Agriculture. Combination sunlight or artificial heat dehydrator and hotbed. 2,399,696; May 7.
- Schreiner, Louis W., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Vacuum tube system. 2,398,050; Apr. 9.
- Schreck, Matthew H., and G. C. Schleter, Washington, D. C. Voltage comparison apparatus. 2,395,912; Mar. 5.
- Schreyer, Edward P., Milwaukee, Wis. Sewing and knitting cabinet. 2,398,256; Apr. 9.
- Schrieber, Robert G., Fort Wayne, Ind. Lighthouse tube mounting. 2,397,985; Apr. 9.
- Schriner, Carl A., assignor of one-half to L. A. Snyder, Defiance, Ohio. Screw driver. 2,408,887; Oct. 8.
- Schroeder, Alfred C., Camden, N. J., assignor to Radio Corporation of America. Timing of electrical pulses. 2,402,916; June 25.
- Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Communication system. 2,406,165; Aug. 20.
- Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Motorized lift truck. 2,399,605; Apr. 30.
- Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Motorized truck controller. 2,401,113; May 28.
- Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Chain hoist. 2,403,462; July 9.
- Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Truck. 2,411,556; Nov. 26.
- Schroeder, Ernest R., Rochester, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car latch operator and safety lock. 2,400,026; May 7.
- Schroeder, Herman E.; See—
- Rigby, George F., and Schroeder.
- Schroeder, Herman O., and A. W. Lindquist, Orlando, Fla., assignors to United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Microscopy device. 2,409,987; May 7.
- Schroeder, John H., Portsmouth, Ohio. Women's sport shoe. 2,393,824; Jan. 29.
- Schroeder, Robert J., New Bremen, Ohio. Auxiliary relief valve for pressure. 2,393,343; Jan. 22.
- Schroeder, Robert J., New Bremen, Ohio. Cabin pressure regulator. 2,402,681; June 25.
- Schroeder, Walter H., Portland, Ore. Door latch for automobiles. 2,402,348; June 18.
- Schroeder, William, assignor to Acme Steel Company, Chicago, Ill. Winding reel. 2,394,504; Feb. 5.
- Schroeder, William, assignor to Acme Steel Company, Chicago, Ill. Winding reel. 2,394,505; Feb. 5.
- Schroeppe, Harold H., Glen Rock, N. J., assignor to American Telephone and Telegraph Company. Automatic alternate routing of interoffice calls. 2,397,887; Apr. 2.
- Schroeppe, Harold H., Glen Rock, N. J., assignor to American Telephone and Telegraph Company. Toll telephone diversion system. 2,405,332; Aug. 6.
- Schroeppe, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Windrower. 2,410,904; Nov. 12.
- Schrom, Oscar G.; See—
- Barraja-Frauenfelder, Joseph, and Schrom.
- Schubert, Minna R., assignor to Le Moude Corset Company, Saginaw, Mich. Girdle. 2,397,211; Mar. 26.
- Schubert, William; See—
- Truax, Robert C., Stiff, Schubert, Patton, and Youngquist.
- Schueneman, Aloysius J., Waukegan, Ill. Holder for cords of electrical connectors. 2,406,567; Aug. 27.
- Schuetz, Thomas J., assignee, et al.; See—
- Schuetz, Thomas J., and Turnquist.
- Schuetz, Thomas J., and E. W. Turnquist, assignors, by mesne assignments, to J. H. Mabey, T. J. Schuetz, and L. Stephenson, all of Tulsa, Okla. Friction brake. 2,408,179; Sept. 24.
- Schub, Arthur E., Delanco, and A. Boyles, Burlington, N. J., assignors to United States Pipe and Foundry Company. Centrifugal casting. 2,399,606; Apr. 30.

- Schuh, Charles H., St. Petersburg, Fla., assignor to Carbide and Carbon Chemicals Corporation. Synthetic phenolic resins. 2,411,557; Nov. 26.
- Schule, Frederick W., Jr. See—
Rylesky, Gregory V., and Schule, Jr.
- Schüle, Georges C., Buenos Aires, Argentina. Apparatus for inflating tires. 2,408,126; Sept. 24.
- Schulein, Joseph, Corvallis, Oreg. Electrochemical process of treating chromite ore. 2,410,242; Oct. 29.
- Schuler, Reginald G., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Projector for page printers. 2,403,307; July 2.
- Schuler, Reginald G., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Projector for page printers. 2,405,168; Aug. 6.
- Schulte, Frank W. See—
Stahl, Elmer R., Schulte, and Elvin.
- Schütz, Arthur B., assignor to All American Aviation, Inc., Wilmington, Del. Glider launching system. 2,402,918; June 25.
- Schultz, Arthur B., Wilmington, Del., and W. B. Burkhart, Martinsburg, W. Va., assignors to All American Aviation, Inc., Wilmington, Del. Hook and hook retainer assembly. 2,402,910; June 25.
- Schultz, Frank. See—
Antrim, Louis C., and Schultz.
- Schultz, Gerard E. See—
Trotter, John C., Holland, and Schultz.
- Schultz, Gerard E., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Ordnance. 2,395,555; Feb. 26.
- Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Regulator or unloading valve for fluid pressure systems. 2,393,571; Jan. 22.
- Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Regulating valve. 2,404,102; July 16.
- Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure actuated valve. 2,410,751; Nov. 5.
- Schultz, Howard C., St. Albans, N. Y. Shadow motion toy. 2,400,605; May 21.
- Schultz, Jens R., Honolulu, Hawaii. Smoker's article. 2,397,294; Mar. 26.
- Schultz, Theodore R., Oakland, Calif. Hose mending tool. 2,395,646; Feb. 26.
- Schultz, William O. See—
Stelmayer, Alwin G., and Schultz.
- Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Brake and lock mechanism. 2,410,243; Oct. 29.
- Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Fuse. 2,410,244; Oct. 29.
- Schultz, William O., South Milwaukee, and A. G. Stelmayer, assignors to Line Material Company, Milwaukee, Wis. Cutout construction. Re. 22,747; Apr. 23.
- Schultz, William O., South Milwaukee, and A. G. Stelmayer, Shorewood, assignors to Line Material Company, Milwaukee, Wis. Fuse device. Re. 22,805; Oct. 15.
- Schultz, William O., South Milwaukee, and A. G. Stelmayer, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Fuse device. 2,398,469; Apr. 16.
- Schultz, William O., South Milwaukee, and A. G. Stelmayer, assignors to Line Material Company, Milwaukee, Wis. Switch construction. 2,401,970; June 11.
- Schultze, Fred, Rockaway, N. J. Cluster bomb rack. 2,395,913; Mar. 5.
- Schultze, Paul, assignor to Doran Brothers, Incorporated, Danbury, Conn. Apparatus for drilling holes in cylindrical supports or the like. 2,392,774; Jan. 8.
- Schultze, Paul, assignor to Doran Brothers, Incorporated, Danbury, Conn. Apparatus for constructing picker rolls. 2,392,775; Jan. 8.
- Schultze, Paul, assignor to Doran Brothers, Incorporated, Danbury, Conn. Magazine for nail feeding mechanisms. 2,392,776; Jan. 8.
- Schultze, Paul, assignor to Doran Brothers, Incorporated, Danbury, Conn. Apparatus for constructing picker rolls. 2,392,777; Jan. 8.
- Schulz, Charles L., Portown, Pa. System of feeding and assorting balls of dough. 2,399,894; May 7.
- Schulz, Edward L., assignor to Carrier Corporation, Syracuse, N. Y. Suit for circulating conditioned air about a person. 2,413,386; Dec. 31.
- Schulz, Otto, Evanston, assignor to American Automatic Typewriter Company, Chicago, Ill. Educational appliance. 2,398,724; Apr. 16.
- Schulz, William H. See—
Cooper, Thomas B., and Schulz.
- Schulze, John E., Chicago, Ill. Manufacture of polynuclear aromatic hydrocarbons. 2,403,127; July 2.
- Schulze, John F., Hempstead, N. Y. Automatic garage door opener and lock mechanism. 2,396,610; Mar. 12.
- Schulze, Reinhard, Baltimore, Md. Escapement action for grand pianos. 2,411,005; Nov. 12.
- Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of mercaptans. 2,392,554; Jan. 8.
- Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of mercaptans. 2,392,555; Jan. 8.
- Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation and olefin recovery process. 2,395,198; Feb. 19.
- Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion process. 2,398,674; Apr. 16.
- Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic hydrocarbon conversion. 2,406,112; Aug. 29.
- Schulze, Walter A., and J. C. Hilmyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Dehydrogenation of hydrocarbons. 2,395,016; Feb. 19.
- Schulze, Walter A., and J. P. Lyon, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Alkylation process. 2,395,199; Feb. 19.
- Schulze, Walter A., and G. H. Short, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment of hydrocarbons. 2,398,468; Apr. 16.
- Schulze, Walter A., and C. J. Helmers, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of aviation gasoline. 2,400,843; May 21.
- Schulze, Walter A., and G. H. Short, Bartlesville, Okla., assignors to Phillips Petroleum Company. Separation of diolefins from hydrocarbon mixtures. 2,401,114; May 28.
- Schulze, Walter A., and W. N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Alkylation process and catalyst therefor. 2,401,884; June 11.
- Schulze, Walter A., and C. J. Helmers, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of aviation gasoline blending stocks. 2,403,879; July 9.
- Schulze, Walter A., and R. C. Alden, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fuel composition. 2,409,156; Oct. 8.
- Schulze, Walter A., and R. C. Alden, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fuel composition. 2,409,157; Oct. 8.
- Schumacher, Frank. 2,402,583; June 25.
- Schumacher, Frederick W. See—
Jones, Minor C. K., and Schumacher.
- Schumacher, George W., assignee: See—
Isakson, Stig.
- Schunauer, James E., Fresno, Calif. Tire tool. 2,399,146; Apr. 23.
- Schunk, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Bus or car window construction. 2,409,709; Oct. 22.
- Schunz, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Bus or car window construction. 2,409,710; Oct. 22.
- Schunk, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Sash lock for bus or car window construction. 2,409,711; Oct. 22.
- Schurig, Otto R. See—
Jones, Benjamin W., and Schurig.
- Schurig, Otto R., Schenectady, N. Y., assignor to General Electric Company. High voltage fuse. 2,392,703; Jan. 8.
- Schurr, Charles H., assignor to The Lees-Pradner Company, Cleveland, Ohio. Machine tool. 2,405,522; Aug. 6.
- Schurtz, Ralph E., Kansas City, Mo. Automatic plural temperature timing therapeutic bath. 2,413,002; Dec. 24.
- Schuster, Carl J., Milwaukee, Wis. Needle threading device. 2,411,118; Nov. 18.
- Schuster, Harry I., Milwaukee, Wis. Precision chuck. 2,401,971; June 11.
- Schutt, Walter G., assignor to Stearns Manufacturing Company, Adrian, Mich. Mold or container packing. 2,397,695; Apr. 2.
- Schutte, August H., Hastings on Hudson, N. Y. Magnetic separation. 2,398,725; Apr. 16.
- Schutte, August H., Hastings on Hudson, N. Y. Centrifugal separator. 2,398,967; Apr. 23.
- Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Gas adsorption. 2,397,566; Apr. 2.
- Schutte, August H., Hastings on Hudson, N. Y., and A. W. Mack, Bayonne, N. J. Centrifugal separation. 2,394,015; Feb. 5.
- Schutte, August H., Hastings on Hudson, N. Y., and A. W. Mack, Bayonne, N. J. Centrifugal separation. 2,394,016; Feb. 5.
- Schutte, Junius M., Chicago, Ill., assignor to Burgess Battery Company. Game apparatus. 2,401,195; May 28.
- Schutte, Myles G. and N. L., Houston, Tex. Underreamer. 2,401,515; June 4.
- Schutte, Norman L. See—
Schutte, Myles G. and N. L.
- Schutten, Joseph J., Yucaipa, assignor to A. Frieauf, Los Angeles, Calif. Nail or dowel pin anchor. 2,404,928; July 30.
- Schutzn, Nathan R., and J. Dubitsky, New York, N. Y., assignors of one-third to A. H. Sachs, Cleveland, Ohio. Lens mounting for gas masks and the like. 2,396,207; Mar. 19.
- Schutze, Henry G., Goose Creek, Tex., assignor to Standard Oil Development Company. Refining hydrocarbon oil. 2,400,373; May 14.
- Schwab, Jean, Moutier, Switzerland. Dry-shaving apparatus. 2,395,296; Feb. 19.

- Schwab, Joseph A., Albany, N. Y. Lift. 2,397,755; Apr. 2.
- Schwager, August C., Milbrae, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. High potential current transformer means. 2,413,195; Dec. 24.
- Schwanhauser, Walter E., Maplewood, N. J., assignor to Charles Bender Company, New York, N. Y. Opaque copy projector. 2,395,975; Mar. 5.
- Schwarcman, Alexander, Buffalo, N. Y., assignor to Spencer Kellogg and Sons, Inc. Treating fatty oils. 2,412,176; Dec. 8.
- Schwarcman, Alexander, Buffalo, N. Y., assignor to Spencer Kellogg and Sons, Inc. Drying oil manufacture. 2,412,177; Dec. 8.
- Schwartz, Arthur A., Buffalo, N. Y., assignor to Bell Aircraft Corporation. Machine for shaping stock. 2,409,903; Oct. 22.
- Schwartz, Arthur J., New York, N. Y. Case. 2,397,439; Mar. 26.
- Schwartz, Carl K., Elkhart Lake, assignor of one-half to Ira Milton Jones, River Hills, Wis. Internal-combustion engine. 2,400,575; May 21.
- Schwartz, Conrad B., Louisiana, Mo. Method and apparatus for manufacture of wire fasteners. 2,411,813; Nov. 26.
- Schwartz, David, New York, N. Y. Multiple ribbon spool. 2,396,805; Mar. 19.
- Schwartz, Edward, Hollywood, Calif. Package label. 2,398,257; Apr. 9.
- Schwartz, Hyman, and W. Castedello, assignors to The Kalart Company, Inc., Stamford, Conn. Range finder for cameras. 2,397,160; Mar. 26.
- Schwartz, Max, New York, N. Y. Two-piece nightgown. 2,402,782; June 25.
- Schwartz, Morris, Chicago, Ill. Anchorage device for cleavures. 2,397,440; Mar. 26.
- Schwartz, Morris, and W. Castedello, assignors to The Kalart Company, Inc., Stamford, Conn. Photographic apparatus. 2,395,074; Feb. 19.
- Schwartz, Morris, New York, N. Y., and W. Castedello, Stamford, Conn., assignors to The Kalart Company, Inc., New York, N. Y. Photographic apparatus. 2,396,889; Mar. 19.
- Schwartz, Morris, and W. Castedello, Stamford, Conn., assignors to The Kalart Company, Inc., New York County, N. Y. Photograph camera construction. 2,403,308; July 2.
- Schwartz, Morris, and W. Castedello, assignors to The Kalart Company, Inc., Stamford, Conn. Range finder. 2,407,687; Sept. 17.
- Schwartz, Morris A., Los Angeles, Calif. Thermostat. 2,413,079; Dec. 24.
- Schwartz, Murray L.: See—
White, Claron N., Schwartz, and Rouault.
- Schwartz, Murray L., assignor to Standard Oil Company, Chicago, Ill. Lubricants. 2,412,633; Dec. 17.
- Schwartz, Murray L., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 2,412,634; Dec. 17.
- Schwartz, Sidney, assignee: See—
Battersby, Robert B., and Prior.
- Schwartz, Werner W.: See—
Ingwer, Max, and Schwartz.
- Schwartz, William H., and N. Lester, assignors to Lester Engineering Company, Cleveland, Ohio. Automatic metal measuring and feeding device. 2,397,512; Apr. 2.
- Schwarz, Benno: See—
Mossay, Paul A. H., Schwarz, and Barracough.
- Schwarz, David: See—
Reisberg, Benjamin, and Schwarz.
- Schwarz, Ernst, Enfield, England. Thermoelectric device. 2,393,196; Jan. 15.
- Schwarz, Ernst, Enfield, England. Thermoelectric device. 2,397,756; Apr. 2.
- Schwarz, Russell, St. Albans, N. Y. Sludge pump. 2,396,290; Mar. 19.
- Schwarze, Paul, Saint Gallen, Switzerland. Photoflash lamp. 2,393,711; Jan. 29.
- Schwarzer, Fred, Pottstown, Pa. Automatic fishhook. 2,406,912; Sept. 3.
- Schwarzkopf, Arthur R., assignor to Wodack Electric Tool Corporation, Chicago, Ill. Percussive tool. 2,408,484; Oct. 1.
- Schwarzkopf, Otto, New York, N. Y., assignor to Burton T. Bush, Incorporated, Delaware, N. J. Preparing still-bene derivatives. 2,410,463; Nov. 5.
- Schwebe, George B., Cleveland, Ohio. Fishing rod indicator. 2,409,985; Oct. 22.
- Schweda, Albert M.: See—
Christensen, Norman V., Le Vesconte, and Schweda.
- Rubel, Charles F., and Schweda.
- Sauer, George, Schweda, and Smith.
- Schwedersky, Harry, New York, N. Y. Hairbrush. 2,397,757; Apr. 2.
- Schweickart, William M., Cleveland, Ohio. Coupling for coal feeding worms. 2,404,145; July 16.
- Schweickart, William M., and F. G. Julian, Euclid, Ohio, assignors to Pocomontis Fuel Company Incorporated, New York, N. Y. Stoker. 2,405,982; Aug. 20.
- Schweikher, Ernest W., Shaker Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tin electrodepositing composition and process. 2,402,185; June 18.
- Schweikher, Ernest W., Shaker Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodeposition of tin. 2,407,579; Sept. 10.
- Schweisthal, Frederick G., Skokie, assignor to Stewart Warner Corporation, Chicago, Ill. Lubricant dispensing valve. 2,399,147; Apr. 23.
- Schweizer, Walter, Horgen, Switzerland. Winding machine. 2,401,516; June 4.
- Schweitzer, Carl E.: See—
Gresham, William F., and Schweitzer.
- Schweitzer, Carl E., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and products. 2,409,712; Oct. 22.
- Schweitzer, Carl E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of nitrogen compounds. 2,413,469; Dec. 31.
- Schweizer, Bernard M., Nashville, Tenn. Comb. 2,397,696; Apr. 2.
- Schweizerische Lokomotive und Maschinenfabrik, assignee: See—
Vonruti, Hans.
- Schweiller, Sylvester M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,411,296; Nov. 19.
- Schwend, Fred N., Los Angeles, Calif. Geometrical instrument. 2,401,821; June 4.
- Schwenker, Archie C., Lincoln, Nebr. Milk pall attachment. 2,409,804; Oct. 22.
- Schweppe, Albert C., Topeka, Kans. Auxiliary reservoir for ink bottles. 2,403,242; July 2.
- Schwyer, Herbert E.: See—
Best, Joseph C., Traxler, and Schwyer.
- Schwindt, Jack and P. A. Trinkle, Fort Morgan, Colo.; said Schwindt assignor to said Trinkle. Blocking and thinning of sugar beets and the like. 2,393,122; Jan. 15.
- Schwinn, Frank W., Chicago, Ill. Freewheeling device. 2,394,112; Feb. 5.
- Schwinn, Frank W., Chicago, Ill. Folding bicycle frame. 2,394,494; Feb. 5.
- Schwinn, Frank W., Chicago, Ill. Stand for bicycles. 2,395,148; Feb. 19.
- Schwinn, Frank W., Chicago, Ill. Suspension saddle. 2,395,346; Feb. 19.
- Schwinn, Frank W., Chicago, Ill. Stand for bicycles. 2,396,890; Mar. 19.
- Schwinn, Frank W., Chicago, Ill. Tandem bicycle frame. 2,397,441; Mar. 26.
- Schwinn, Frank W., Chicago, Ill. Bicycle carrier. 2,400,995; Oct. 15.
- Schwitzer-Cummins Company, assignee: See—
Beier, Kurt A.
- Schwogler, Edward J., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Reaction product of unsaturated monoglycol ethers and unsaturated nitriles. 2,405,686; July 15.
- Schymik, Walter H., Oreland, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Field switch. 2,412,293; Dec. 10.
- Scientific and Industrial Research, Honorary Advisory Council for, assignee: See—
Griffith, Thomas R., and Orr.
- Scientific Research and Development, Office for Emergency Management, Government of the United States, as represented by the Director of the Office of, assignee: See—
Lindsay, Harold W.
- Scientific Research and Development, the Office of, the United States of America, represented by the Executive Secretary of, assignee: See—
Veneklasen, Paul S.
- Scientific Research and Development, The United States of America, as represented by the Director of the Office of, assignee: See—
Morgan, Russell H., and Hodges.
- Scientific Research and Development, United States of America, as represented by the Executive Secretary of the Office of, assignee: See—
Stevens, Stanley S., Veneklasen, Paul S.
- Sclater, Ivanhoe H., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,407,688; Sept. 17.
- Scotfield, Theodore J., Jackson, Mich. Windshield wiper motor. 2,399,553; May 7.
- Scoles, Graham J.: See—
Whalley, Harry, and Scoles.
- Sconce, Charles C., Indianapolis, Ind. Planer gauge. 2,400,441; May 14.
- Sophony Corporation of America, assignee: See—
Rosenthal, Adolph H.
- Scott Aviation Corporation, assignee: See—
Ledwin, Richard D., Meidenbauer, Phillip E., Jr., and Benzell.
- Scott, Carlyle H., Forest Hills, and P. H. Scott, Flushing, assignors to Tank Safety Tank Truck Corporation, New York, N. Y. Venting and discharge valves for tanks. 2,409,071; Oct. 8.
- Scott, Edward C., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool drive. 2,395,586; Feb. 26.

- Scott, Dverette C., and C. H. Parsons, assignors to Industrial Patents Corporation, Chicago, Ill. Egg product. 2,395,587; Feb. 26.
- Scott, Ferd E.: *See*—
Corn, Joseph H.
- Scott, Floyd L., Jr.: *See*—
Brown, Cicero C., and Scott.
- Scott, Frank E., Wallace, Idaho. Vacuum siphon percolator. 2,403,404; July 2.
- Scott, Gifford G., assignor to General Motors Corporation, Detroit, Mich. Long period pendulum. 2,407,580; Sept. 10.
- Scott, Howard, and R. B. Gordon, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat resistant alloys. 2,403,128; July 2.
- Scott, John E., Los Angeles, Calif. Material feed mechanism for sewing machines. 2,407,907; Sept. 17.
- Scott, Lawrence B., Columbus, Ohio. Bonding method. 2,410,464; Nov. 5.
- Scott, Lloyd H., Garden City, assignor to Eisemann Corporation, Brooklyn, N. Y. Drive coupling mechanism. 2,393,344; Jan. 22.
- Scott, Louis P., Philadelphia, Pa., assignor to ACF-Brill Motors Company, New York, N. Y. Adjustable back seat. 2,411,063; Nov. 12.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Synthetic resin. 2,409,906; Oct. 22.
- Scott, Milton J., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Shellac modified resin. 2,404,892; July 30.
- Scott-Paine, Hubert, Greenwich, Conn., and A. G. W. Hall, Montreal, Quebec, Canada; said Hall assignor to said Scott-Paine. Device facilitating walking on mud. 2,412,474; Dec. 10.
- Scott Paper Company, assignee: *See*—
Britt, Kenneth W.
- Scott, Paul H.: *See*—
Scott, Carlyle H. and P. H.
- Scott, Paul M.: *See*—
Kerr, James G., and Scott.
- Scott, Richard, Toronto, Ontario, Canada, assignor to General Electric Company. Remote reading temperature instrument. 2,393,197; Jan. 15.
- Scott, Robert J.: *See*—
Nuckey, Percy, and Scott.
- Scott, Ruth P., executrix: *See*—
Scott, Winfield.
- Scott, Samuel Le R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial waxes and greases. 2,400,781; Sept. 3.
- Scott, Thomas R., London W. C. 2, England, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Joint for electric power cables. 2,393,935; Jan. 29.
- Scott, Thomas R., and E. C. Lee, London, W. C. 2, England, assignors to International Standard Electric Corporation, New York, N. Y. Joint and terminations for electric power cables. 2,402,451; June 18.
- Scott, Walter J., Woonsocket, R. I. Stop motion for drawing frames. 2,399,148; Apr. 23.
- Scott, William E., U. S. Navy. Nonrigid barge. 2,391,926; Jan. 1.
- Scott, William E., U. S. Navy. Decoy airplane. 2,395,914; Mar. 5.
- Scott, William E., Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Instrument for measuring reflectance. 2,406,166; Aug. 20.
- Scott, William H., Rochester, N. Y. Combined filler and drainer. 2,397,295; Mar. 26.
- Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Bus bar support. 2,396,131; Mar. 5.
- Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit interrupter and control therefor. 2,405,454; Aug. 6.
- Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker locking device. 2,412,204; Dec. 10.
- Scott & Williams, Incorporated, assignee: *See*—
Bristow, Paul W.
Pauquette, Beale J.
Grothey, Ivan W.
Lawson, Robert H.
Page, Albert E. and F. R.
- Scott, Winfield, deceased, by R. P. Scott, executrix, assignor to Wingfoot Corporation, Akron, Ohio. N-(thiazyl-thio-methylene) urethanes. 2,400,469; May 14.
- Scott, Winfield, deceased, by R. P. Scott, executrix, assignor to Wingfoot Corporation, Akron, Ohio. Isomerization of cis-alpha-beta unsaturated acid esters. 2,404,103; July 16.
- Seavill Manufacturing Company, assignee: *See*—
Elwin, Charles T.
Howard, George G.
Huelster, Otto J.
Kilbrin, Francis O., and Spender.
Mackey, Alexander A.
Nielsen, Emanuel, and Seyfried.
Root, Le Roy P.
Trecloakas, Jacob P.
- Seavill, Royal J., Jr., Gary, Ind. Machine for cutting blooms and the like. 2,404,600; July 23.
- Seavill, Warner E., Cleveland Heights, and T. J. Walsh, assignors to The Standard Oil Company, Cleveland, Ohio. Fractional distillation apparatus. 2,398,807; Apr. 23.
- Seaville, Loren P., Yonkers, and J. A. Davies, Eastchester, assignors to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,396,723; Mar. 19.
- Scraftford, Emmitt C., Flint, Mich. Cementitious material. 2,397,567; Apr. 2.
- Serantom, De Hart G., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire drawing die. 2,394,720; Feb. 12.
- Serantom, De Hart G., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Fault detector and automatic stop device for textile machines. 2,409,961; Oct. 22.
- Serantom, Charles J., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Harvester-thresher. 2,397,375; Mar. 26.
- Scribner, Thornton S., Nevada City, Calif. Detachable wheel mount. 2,397,296; Mar. 26.
- Scribner, William L.: *See*—
Buckwalter, Tracy V., and Scribner.
- Scripto Manufacturing Company, assignee: *See*—
Brison, Thonston S.
Smith, Blanchard D.
Wayne, William T.
- Scripture, Edward W., Jr., Shaker Heights, Ohio. Cement composition and making same. 2,397,886; Apr. 2.
- Scrivener, Arthur, Birmingham, England. Grinding machine. 2,412,454; June 18.
- Scrivener, William C., and A. G. Brewer, Sutton Coldfield, assignors to Masts Limited, Birmingham, England. Union for masts, poles, and the like. 2,410,245; Oct. 29.
- Scrivener, William C., and A. G. Brewer, Sutton Coldfield, assignors to Masts Limited, Birmingham, England. Mast, pole, and the like. 2,410,246; Oct. 29.
- Scrivener, William C., and A. G. Brewer, Sutton Coldfield, England. Base construction for a mast and derrick. 2,413,658; Dec. 31.
- Scroggs, William A., San Diego, Calif. Wire garment hanger making machine. 2,413,196; Dec. 24.
- Scrymser, Borne, Company, assignee: *See*—
Siever, Hughes L.
- Scull, Herbert G.: *See*—
Jensen, Edgar C., Scull, and McNally.
- Scully, Charles T.: *See*—
Chatterjee, Prafulla K., and Scully.
Chatterjee, Prafulla K., Scully, and Ambrose.
- Scully, Charles T., London, England, assignor, by mesne assignments, to International Radio Electric Corporation, New York, N. Y. Amplifying arrangement for voltages, particularly for automatic volume control. 2,400,956; May 28.
- Scully, John T., Lawrence, N. Y. Shaving machine. 2,400,027; May 7.
- Scully, John T., Lawrence, N. Y. Necktie. 2,400,604; May 21.
- Scurrall, William, Toronto, Ontario, Canada. Coat hanger or wall rack. 2,408,344; Sept. 24.
- Seuss, Lino, Phoenix, N. Y. Gauge finishing. 2,411,814; Nov. 26.
- Seuse, Alvin A., Rochester, N. Y. Speed control for machine tools. 2,394,209; Feb. 5.
- Seagram, Joseph E. & Sons, Inc., assignee: *See*—
Altschuler, William B.
- Seal, Myron F., Weldon, Ill. Automatic scraper for disk harrow. 2,413,246; Dec. 24.
- Sealand Corporation, The, assignee: *See*—
Kaul, Richard D.
- Sealed Power Corporation, assignee: *See*—
Anderson, John E., Ballard, and Potter.
- Sealey, Louis E., Carsham, assignor to Papworth Limited, Bristol, England. Work table with sine bar adjustment. 2,411,641; Nov. 26.
- Sealey, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical regulating apparatus. 2,399,943; May 7.
- Sealey, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical regulating apparatus. 2,399,944; May 7.
- Seals, Kyrie P., Lamar, Colo. Jar cap applying and removing device. 2,406,167; Aug. 20.
- Sealtell, Inc., assignee: *See*—
Weisberg, Samuel M., Stimpson, and Greenspan.
Weisberg, Samuel M., Stimpson, Greenspan, and Othmer.
- Sealy, Incorporated, assignee: *See*—
Bowersox, Joseph W.
- Seaman, Ellsworth F., Washington, D. C. Shock proof electrical resistor. 2,397,568; Apr. 2.
- Seaman, Harry J., Milwaukee, Wis. Road building machine. 2,394,017; Feb. 5.
- Seaman, Harry J., Milwaukee, Wis. Mixing machine. 2,409,648; Oct. 22.
- Seaman, Leo V., Phoenix, Ariz. Evaporative cooler. 2,396,024; Mar. 5.
- Seamans, James W., San Leandro, Calif. Steel and other sheet metals welder's hoist. 2,394,265; Feb. 5.

- Seamless Rubber Company, The, assignee: *See*—
De Laney, Wallace W., and Crowley.
Predmore, Bert.
- Searle, G. D., & Co., assignee: *See*—
Cusic, John W.
- Saunders, Francis J., and Raymond.
- Searle, Marshall O., Beverly Hills, Calif. Electric conduit
and making same. 2,400,606; May 21.
- Searle, Norman E.: *See*—
Fenner, Albert L., and Searle.
Goddin, Avery J., and Searle.
- Searle, Norman E., assignor to E. I. du Pont de Nemours
& Company, Wilmington, Del. Chemical process.
2,402,884; June 25.
- Sears, Gilbert E.: *See*—
Blazek, John Y., and Sears.
- Sears, Roebuck and Co., assignee: *See*—
Boisselier, Earl D.
Colegrove, Charles E.
Colegrove, Nathaniel E.
Cross, Robert C.
Hohmann, Richard K., and Boisselier.
Kethcart, Frank G.
Macey, William C.
Mitchell, Walter G.
Morgan, Frank M., and Wallace.
Mumma, George E.
Zink, William L., and Hauswirth.
- Sears, William C., Akron, Ohio, assignor to The B. F.
Goodrich Company, New York, N. Y. Insulated electrical
conductor. 2,413,673; Dec. 31.
- Sears, William R.: *See*—
Northrop, John K., and Sears.
- Sease, Virgil B., and D. W. Woodward, assignors to E. I.
du Pont de Nemours & Company, Wilmington, Del.
Light sensitive photographic compositions and elements.
2,405,523; Aug. 6.
- Seastone, John B., Churchill Borough, and W. H. Brandt,
Wilkinsburg, assignors to Westinghouse Electric Cor-
poration, East Pittsburgh, Pa. Magnetic core.
2,412,914; Dec. 17.
- Seaton, Robert R., assignor of one-third to A. W. Wehner,
Cincinnati, and one-third to R. Niebusch, Hamilton
County, Ohio. First aid kit. 2,396,393; Mar. 12.
- Seaver, John D., Marblehead, Mass., assignor to General
Electric Company. Permanent magnet. 2,405,455;
Aug. 6.
- Seaver, John D., Marblehead, and E. M. Frye, Melrose,
Mass., assignors to General Electric Company. Elec-
trical measuring instrument. 2,394,113; Feb. 5.
- Seavey, Clifton E.: *See*—
Woodberry, John H., Storm, Barker, Miles, Brayton,
and Seavey.
- Sebell, Harry, Marblehead, Mass. Container. 2,392,507;
Jan. 8.
- Sebell, Harry, Marblehead, Mass. Container. 2,406,568;
Aug. 27.
- Sebok, Joseph B., assignor to Houdaille-Hershey Cor-
poration, Detroit, Mich. Air cleaner. 2,393,080; Jan. 29.
- Sebok, Joseph B., assignor to Houdaille-Hershey Cor-
poration, Detroit, Mich. Air cleaner. 2,401,322; June 4.
- Sebok, Joseph B., assignor to Houdaille-Hershey Cor-
poration, Detroit, Mich. Air cleaner. 2,412,753; Dec.
17.
- Seborg, Earnest Y., H. J. Caldwell, and S. F. Manning,
assignors to Barnes Drill Co., Rockford, Ill. Honing
machine. 2,397,814; Apr. 2.
- Seckel, Wallace H., assignor to The Perfection Steel Body
Company, Galion, Ohio. Vehicle running gear.
2,411,836; Nov. 26.
- Seddig, Robert E., assignor to Graver Tank & Mfg. Co.,
East Chicago, Ill. Liquid treatment. 2,395,508; Feb.
26.
- Seder, Frank, Sioux Falls, S. Dak. Watchmaker's tool.
2,400,264; May 14.
- Sedgwick Machine Works, Inc., assignee: *See*—
Ellis, Charles E.
- Sedusky, Henry J.: *See*—
Krister, Charles J., Sedusky, and Thompson.
- Sedwick, Matthew M., Syracuse, assignor to Continental
Can Company, Inc., New York, N. Y. Machine for clos-
ing containers. 2,411,232; Nov. 19.
- Seebler, Harold S.: *See*—
Hitchcock, Rex B., and Seebler.
- Seeburg, J. P., Corporation, assignee: *See*—
Boyajian, James A.
Erwood, Joseph, and Holter.
Johnson, Carl G.
Winkler, Marion R.
- Segal, Herbert L., Richmond, Va. Garment construction.
2,398,258; Apr. 9.
- Seeger, Edwin W., Wauwatosa, assignor to Cutler-Ham-
mer, Inc., Milwaukee, Wis. Motor control system.
2,399,067; Apr. 23.
- Seeger, Nelson V., Cuyahoga Falls, assignor to Wingfoot
Corporation, Akron, Ohio. Preparing alkoxy propionyl
compounds. 2,393,000; Jan. 15.
- Seeger Refrigerator Company, assignee: *See*—
Ahrens, Robert S., and Ellsworth.
- Seeger-Sunbeam Corporation, assignee: *See*—
Ayres, Russell W.
- Seegers, Walter H.: *See*—
Smith, Harry P., and Seegers.
- Seely, Harry E., Niagara Falls, N. Y., assignor to Moore
Business Forms, Inc. Sheet delivering and printing
mechanism. 2,405,373; Aug. 6.
- Seely, Stuart W., Roslyn, N. Y., assignor to Radio Cor-
poration of America. Sub-synchronous rectifier for fre-
quency division. 2,403,359; July 9.
- Seely, Stuart W., Roslyn, N. Y., assignor to Radio Cor-
poration of America. Multiple program system.
2,403,957; July 16.
- Seely, Stuart W., Roslyn, N. Y., assignor to Radio Cor-
poration of America. Wave producing and wave frequency
measuring device. 2,403,958; July 16.
- Seely, Stuart W., Roslyn, N. Y., assignor to Radio Cor-
poration of America. Position determining system.
2,405,238; Aug. 6.
- Seely, Stuart W., Roslyn, N. Y., assignor to Radio Cor-
poration of America. Spectrophotometer. 2,413,080;
Dec. 24.
- Seely, Stuart W., Bayside, N. Y., assignor to Radio Cor-
poration of America. Radio beacon system. 2,404,196;
July 16.
- Seely, Stuart W., Roslyn Heights, N. Y., assignor to Radio
Corporation of America. Position determining system.
2,405,239; Aug. 6.
- Seeloff, Melvin M., assignor to The Taylor-Winfield Cor-
poration, Warren, Ohio. Actuating system for welding
electrodes and the like. 2,392,296; Jan. 1.
- Seely, Oliver, Long Beach, Calif. Key selector and con-
tainer. 2,411,168; Nov. 19.
- Seem, Robert W.: *See*—
Hathorn, Berkeley L., and Seem.
- Seem, Warren A., Clarke Summit, Pa. Apparatus for
manufacture or converting of textile yarn. 2,394,639;
Feb. 12.
- Seese, Robert S., Detroit, Mich. Switch operating mech-
anism. 2,401,801; June 11.
- Seewer, Paul W., Rugby, assignor to The English Electric
Co., Ltd., London, England. Automatic speed
limiting device for hydraulic turbine rotors. 2,407,454;
Sept. 10.
- Segal, Helen, assignee: *See*—
Segal, Hyman R.
- Segal, Hyman R., assignor to H. Segal, New York, N. Y.
Cowl fastener. 2,407,618; Sept. 10.
- Segal, Hyman R., assignor to H. Segal, New York, N. Y.
Cowl fastener. 2,407,619; Sept. 10.
- Segal, Louis, New York, N. Y. Knockdown toy. 2,410,875;
Nov. 12.
- Segal, Samuel, New York, N. Y., assignor to Wilson-Jones
Company, Chicago, Ill. Stabilized loose-leaf binder.
2,392,508; Jan. 8.
- Segal, Samuel, New York, N. Y., assignor to Pioneer
Suspender Company, Philadelphia, Pa. Expandable belt.
2,400,434; May 21.
- Segal, Samuel, New York, N. Y. Key retainer. 2,413,337;
Dec. 31.
- Segalla, Fiorello C., Canaan, Conn. Exercising apparatus.
2,397,054; Mar. 19.
- Segelhorst, August L., Taft, Calif. Automatic slip mech-
anism. 2,410,589; Nov. 5.
- Segerstrom, Carl A., Jr., Teaneck, N. J., assignor to Federal
Telephone and Radio Corporation, New York, N. Y.
Electron discharge device. 2,391,927; Jan. 1.
- Segesemann, Ernest, Newark, assignor to National Oil
Products Company, Harrison, N. J. Treatment of tall
oil. 2,400,607; May 21.
- Segsworth, Robert S., assignor to The General Engineer-
ing Company (Canada) Limited, Toronto, Ontario,
Canada. Variable speed hydraulic transmission.
2,393,479; Jan. 22.
- Séguin, Joseph O., Montreal, Quebec, Canada. Hockey
game. 2,398,726; Apr. 16.
- Segur, Hazel M., Seattle, Wash. Workbox. 2,401,667;
June 4.
- Seher, Henry W., Elkins Park, assignor to Philco Cor-
poration, Philadelphia, Pa. Plate winding machine.
2,406,968; Sept. 3.
- Seib, Frederick A., Manasquan, N. J. Stretcher.
2,391,928; Jan. 1.
- Seibold, Paul F., Newport, Mich. Striking device.
2,402,920; June 25.
- Seld, Herman, Essex, Conn., assignor to Carrier Cor-
poration, Syracuse, N. Y. Outlet arrangement. 2,396,026;
Mar. 9.
- Seidel, Julius M., Brooklyn, N. Y. Scoring mechanism.
2,400,657; May 21.
- Seiden, Herman L.: *See*—
Breither, Robert H., Seiden, Breitenstein, and
Nicolaus.
- Seiden Pneumatic Tool Company, assignee: *See*—
Lutes, Oakley D.
- Seidman, Leon S., Chicago, Ill. Depositor and applicator.
2,401,585; June 4.
- Seldier, William, New York, N. Y. Doll. 2,396,441; Mar.
12.
- Seifert, Edgar F., assignee: *See*—
Cameron, Hugh J.
- Seifert, Ernest M.: *See*—
Green, Charles A., and Seifert.
- Seifert, Frederick E., Ames, Iowa, assignor of thirty-three
and one-third per cent to E. J. Kelley and fifteen per
cent to A. E. Weatherax. Aircraft control. 2,393,601;
Apr. 16.

- Seifert, Otto E., Baltimore, Md. Drill chuck. 2,400,169; May 14.
- Seifried, Eugen, Waldkirch in Breisgau, Germany, assignor to United States of America, as represented by the Secretary of War. Subaqueous electric cutting. 2,407,850; Sept. 17.
- Seigh, Joseph W., Teaneck, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Metal stacking container. 2,412,178; Dec. 3.
- Selger, George, Chicago, Ill. Protective collar unit for refrigerating coils. 2,409,396; Oct. 15.
- Seippel, Claude, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Pressure exchanger. 2,399,394; Apr. 30.
- Seismic Engineering Company, assignee: See—Scherbatsky, Serge A.
- Seltz, August W.: See—Noel, Edward B., and Seltz.
- Seltz, John G., assignor to S. I. Keene, San Francisco, Calif. Trigger mechanism. 2,396,291; Mar. 12.
- Seltz, John G., assignor to Samuel I. Keene, San Francisco, Calif. Firing mechanism. 2,405,798; Aug. 13.
- Seltz, Richard, Cleveland, Ohio. Lock nut. 2,394,812; Feb. 12.
- Selman, David, New York, N. Y. Double sash window. 2,406,513; Aug. 27.
- Sekella, Youston, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Friction clutch for a mechanical time fuse. 2,397,055; Mar. 19.
- Sellers, Charles J., Turtle Creek, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Choke fitting. 2,393,423; Jan. 22.
- Selas Corporation of America, assignee: See—Hess, Frederick.
- Hess, Frederick O., Miller, and Dietrich.
- Wakefield, Richard E. B.
- Walker, John M., Jr.
- Selby, John: See—Van Denberg, Thomas F., and Selby.
- Selch, Howard I., Chicago, Ill. Boring or like tool. 2,393,424; Jan. 22.
- Selden, George, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y. Temporary coating. 2,408,814; Oct. 8.
- Selby, Louis E., Brooklyn, N. Y., assignor to S. H. White, Detroit, Mich. Gas mixture. 2,411,759; Nov. 26.
- Self-Locking Carton Co., assignee: See—Crane, John.
- Selfridge, Frank W.: See—Williams, Ira, and Selfridge.
- Seliger, Cornelia R., assignor to Henry Blech, Chicago, Ill. Reducing metals. 2,403,463; July 9.
- Sellaro, Angelo V., Hatboro, Pa. Emergency ignition unit. 2,412,540; Dec. 10.
- Sellman, Albert H.: See—Glennon, James B., Sellman, and Maltby.
- Sellmeyer, Bernardus: See—Perkins, Myrle M., and Sellmeyer.
- Sellmeyer, Gilbert J., Indianapolis, Ind. Meat cutting machine. 2,401,972; June 11.
- Sells, Gale K., G. C. Johnson, and L. Black, Portland, assignors to G. G. Campbell and B. H. Stroback, doing business as Radio Specialty Manufacturing Company, Portsmouth, Oreg. Lapping machine. 2,410,752; Nov. 5.
- Sells, Neal S., Hoopston, Ill. assignor to Food Machinery Corporation, San Jose, Calif. Can aligner. 2,392,509; Jan. 8.
- Sellstrom Manufacturing Company, assignee: See—Anderson, Marshall N., and Sellstrom.
- Young, Robert A.
- Sellstrom, Melvin H., assignee: See—Anderson, Marshall N., and Sellstrom.
- Selmi, Luciano G., Detroit, and C. L. Altenburger, Dearborn, Mich., assignors to National Steel Corporation. Alloy steel. 2,395,687; Feb. 26.
- Selmi, Luciano G., Detroit, and C. L. Altenburger, Dearborn, Mich., assignors to National Steel Corporation. Alloy steel. 2,395,688; Feb. 26.
- Sel-Mor Garment Co., Inc., assignee: See—Grand-Jean, Frederick R.
- Selnes, Alf K., assignor to Ex-Cell-O Corporation, Detroit, Mich. Control means for antifriction bearings. 2,400,374; May 14.
- Seltzer, Charles, Providence, R. I. Dental tool. 2,399,834; May 7.
- Selwyn, Edward W. H.: See—Davey, Edward P., and Selwyn.
- Semagraph Company, assignee: See—Bierman, Everett C.
- Semar, Harold W., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gear timing method. 2,404,865; July 30.
- Sembower, Jasper T., Jr., Baxter, W. Va. Supporting mine brattices. 2,395,689; Feb. 26.
- Seme, John J., Maple Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Concentricity gauge specimen holder. 2,408,889; Oct. 1.
- Semeneg, Stephen T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treatment of acrylic ester polymers. 2,411,899; Dec. 3.
- Semeneg, Stephen T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treatment of acrylic ester polymers. 2,412,475; Dec. 10.
- Semeneg, Stephen T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treatment of acrylic ester polymers. 2,412,476; Dec. 10.
- Semler, Clyde M., Cuyahoga Falls, Ohio. Vulcanization apparatus. 2,411,558; Nov. 26.
- Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubberlike multipolymers. 2,395,017; Feb. 19.
- Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of butadiene-1,3 and N-dialkyl acrylamides. 2,401,885; June 11.
- Semonsen, Otto C., Bellerose, N. Y. Needle for hand knitting. 2,399,264; Apr. 30.
- Senple, John B., Sewickley, Pa. Fuse for projectiles. 2,392,884; Jan. 15.
- Sender, Leopold, Baltimore, Md., assignor to The Sharples Corporation, Philadelphia, Pa. Manufacture of soap. 2,414,468; Nov. 19.
- Sender, Leopold, Baltimore, Md., assignor to The Sharples Corporation, Philadelphia, Pa. Manufacture of soap. 2,411,469; Nov. 19.
- Sender, Leopold, Baltimore, Md., assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separating apparatus. 2,412,099; Dec. 3.
- Sender, Leopold, Baltimore, Md., and L. D. Jones, assignors to The Sharples Corporation, Philadelphia, Pa. Manufacture of soap. 2,397,161; Mar. 26.
- Sender, Leopold, Baltimore, Md., and L. D. Jones, assignors to The Sharples Corporation, Philadelphia, Pa. Manufacture of soap. 2,397,162; Mar. 26.
- Senzdizmir, Tadeusz, Paris, France, assignor, by mesne assignments, to Armzen Company, Middletown, Ohio. Metal coating process and apparatus therefor. 2,401,374; June 4.
- Senfleebe, Paul W., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for handling thread. 2,396,754; Mar. 19.
- Seng Company, The, assignee: See—Holens, Harry W., Elleman, Tom, and Johnson.
- Fox, Martin.
- Raich, Alexander J.
- Senk, Philip J., St. Albans, N. Y. Jar grip. 2,404,991; July 30.
- Senkewitz, Charles F., Detroit, Mich. Slicing device. 2,401,668; June 4.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Polyamines. 2,393,825; Jan. 29.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. 1,3,7-triazabicyclo [3.3.0] octanes. 2,393,826; Jan. 29.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Ethers of secondary nitroalkanes and preparing them. 2,393,827; Jan. 29.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Unsaturated 5-amino-1, 3-dioxanes and preparation thereof. 2,399,068; Apr. 23.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Dicarboxylic salts of polyhydroxy tertiary amines. 2,401,196; May 28.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of dihydric alcohols. 2,406,713; Aug. 27.
- Senkus, Murray, Terre Haute, Ind., assignor to Commercial Solvents Corporation. N-substituted amino monohydric secondary alcohols and preparing them. 2,413,247; Dec. 24.
- Senkus, Murray, Terre Haute, Ind., assignor to Commercial Solvents Corporation. Polyamines and preparing them. 2,413,248; Dec. 24.
- Senkus, Murray, Terre Haute, Ind., assignor to Commercial Solvents Corporation. 1,5-bis-(1-nitro-3,5-dioxacyclohexyl)-2,4 dioxapentane. 2,413,249; Dec. 24.
- Senkus, Murray, Terre Haute, Ind., assignor to Commercial Solvents Corporation. 1,5-bis(1-amino-3,5-dioxacyclohexyl)-2,4 dioxapentane. 2,413,250; Dec. 24.
- Senn, Charles, Detroit, Mich. Fluid motor. 2,402,848; June 25.
- Senn Corporation, assignee: See—Conke, Charles F.
- Senn, Emil, Riehen, near Basel, assignor to J. R. Geigy A. G., Basel, Switzerland. Halogen-8-hydroxyquinolines. 2,411,670; Nov. 26.
- Senn, Rudolf, Basel, Switzerland. Coat hanger adapted to be sewed into the shoulder lining of clothes. 2,411,233; Nov. 26.
- Senninger, Earl J., Chicago, Ill., assignor to Sanmyer Corporation. Liquid fuel burner system. 2,397,986; Apr. 9.
- Senninger, Earl J., Chicago, Ill., assignor to Sanmyer Corporation. Liquid fuel burner system. 2,397,987; Apr. 9.
- Senninger, Earl J., Chicago, Ill., assignor to Sanmyer Corporation. Liquid fuel burner. 2,397,988; Apr. 9.
- Sens, Richard F.: See—Hall, Garland W., Sens, and Furth.

- Sensel, Eugene E., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Method and apparatus for catalytic conversion. 2,411,760; Nov. 26.
- Sensig, Arthur L., Lancaster, Pa., assignor to Dellinger Manufacturing Company. Feed means and driving mechanism therefor. 2,402,849; June 25.
- Sensenig, Miles L., Lancaster, Pa., assignor to Dellinger Manufacturing Company. Conveyor. 2,412,179; Dec. 3.
- Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stopping mechanism for weft replenishing looms. 2,410,687; Nov. 5.
- Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pull-over shaft drive for spinning looms. 2,412,477; Dec. 10.
- Seppeler, Eduard, Berlin-Buckow-Ost, Germany; vested in the Allen Property Custodian. Adjusting pitch of screws. 2,392,556; Jan. 8.
- Seppeler, Eduard, Berlin-Neukolln, Germany; vested in the Allen Property Custodian. Synchronizing propeller. 2,403,243; July 2.
- Serini, Arthur, Berlin, and K. Steinruck, Berlin-Tegel, Germany, assignors to Schering Corporation, Bloomfield, N. J. Physiologically active compounds and making the same. 2,394,565; Feb. 12.
- Serkes, Aaron, and J. Teska, Bronx, N. Y. Drain attachment for cooking pots. 2,397,163; Mar. 26.
- Serna, Alex, Dearborn, Mich. Helicopter. 2,411,297; Nov. 19.
- Serrano, Liberto A., Barcelona, Spain. Carburetion system for internal-combustion engine. 2,406,913; Sept. 3.
- Serre, Maurice, and F. J. Kurth, assignors to Anemostat Corporation of America. Treating gases. 2,396,208; Mar. 5.
- Serrell, John J.: See—
Jones, Leo D., and Serrell.
- Servel, Inc., assignee: See—
Ashby, Carl T.
Bumington, Ralph M.
Edberg, Per.
Grossman, Franklin A.
Nauert, Carl H.
Reid, John G., Jr.
Smallwood, Albert E.
Taylor, Robert S.
- Service Supply Corporation, assignee: See—
Lawler, Frank P.
- Servis, Richard, Brooklyn, N. Y., assignor to Marathon Corporation. Making vanilla. 2,399,607; Apr. 30.
- Setter Bros. Inc., assignee: See—
Perkins, Hiram A.
- Seurynck, Bernard J., Detroit, Mich. Electric fuse construction. 2,404,407; July 23.
- Sevegy, Frank B., Seattle, Wash. Fishing line sinker. 2,399,298; Apr. 30.
- Severance, Glen R., Detroit, Mich., assignor to Eureka Williams Corporation. Machine gun recharger. 2,397,569; Apr. 2.
- Serverson, Harry A.: See—
Colman, Howard D.
- Seward, Edgar C., South Arlington, Va. Cargo stop. 2,411,900; Dec. 3.
- Seward, Edward C., Evanston, Ill. Sanding block. 2,408,815; Oct. 8.
- Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Pressure core barrel. 2,412,915; Dec. 17.
- Sewell, Cleveland A., assignor to American Coils Co., Newark, N. J. Heat exchange fin. 2,402,262; June 18.
- Sewell, Earl F., Yuba City, Calif. Pipe forming machine. 2,404,464; July 23.
- Sexton, De Laney E., Bremerton, Wash. Electric brake. 2,392,068; Jan. 1.
- Sexton, Everett P., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Reservoir arrangement. 2,393,425; Jan. 22.
- Seybold, Frederick W., Westfield, assignor to American Type Founders, Inc., Elizabeth, N. J. Twin crank bed motion. 2,403,760; July 9.
- Seydel, John R., et al.: See—
Woolley, Vasser.
- Seydel, Mildred, et al.: See—
Woolley, Vasser.
- Seydel, Paul, et al.: See—
Woolley, Vasser.
- Seydel-Woolley & Company, assignee: See—
Woolley, Vasser.
- Seyfther, Harold N., East Detroit, assignor to Ex-Cell-O Corporation, Detroit, Mich. Yoking mechanism for grinding wheels. 2,396,891; Mar. 19.
- Seyfther, Harold N., East Detroit, assignor to Ex-Cell-O Corporation, Detroit, Mich. Apparatus for grinding. 2,402,455; June 18.
- Seyfried, Arthur W.: See—
Nielsen, Emanuel, and Seyfried.
- Seyfried, Wilson D., Wooster, and S. H. Hastings, Baytown, Tex., assignors to Standard Oil Development Company. Dehydrogenation and isomerization of olefins. 2,399,895; May 7.
- Seyfried, Wilson D., and S. H. Hastings, Baytown, Tex., assignors to Standard Oil Development Company. Dehydrogenation of butylene and pentylene. 2,401,973; June 11.
- Seymour, George W., and G. C. Ward, Cumberland, Md., assignors to Celanese Corporation of America. Recovery of wool from mixed wool-cellulose acetate textiles. 2,393,712; Jan. 29.
- Seymour, George W., and W. Brooks, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of textile materials. 2,406,408; Aug. 27.
- Seymour, George W., and W. Brooks, Cumberland, Md., assignors to Celanese Corporation of America. High tenacity filamentary materials. 2,407,105; Sept. 3.
- Seymour, George W., and V. S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Condensation process. 2,408,127; Sept. 24.
- Seymour, Lynn L., De Kalb, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Apparatus for forming tubing. 2,392,194; Jan. 1.
- Seymour Manufacturing Co., assignee: See—
Freed, Meyer L. and Stocker.
- Seymour, Mary E., Wichita, Kans. Clothesline. 2,407,387; Sept. 10.
- Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company. Vinyl esters. 2,404,929; July 30.
- Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company. Polymerization of vinyl aromatic compounds. 2,408,690; Oct. 1.
- Seyter, William C., Union City, N. J., assignor to The Torsion Balance Co., New York, N. Y. Micro balance. 2,404,601; July 23.
- Shabaker, Hubert A.: See—
Bates, John R., and Shabaker.
- Houdry, Eugene J., and Shabaker.
- Shackelford, William G.: See—
Fitchett, Thomas S., Greenwood, and Shackelford.
- Shade, Harley O., Martinsburg, W. Va. Coupling for drive rolls. 2,412,013; Dec. 3.
- Shaeffer, George D., assignor to Gar Wood Industries, Inc., Detroit, Mich. Clutch driven hydraulic pump. 2,413,081; Dec. 24.
- Shaeffer, Harvey E., assignor to Arvey Corporation, Chicago, Ill. Landing gear for toy airplanes. 2,403,129; July 2.
- Shaeffer, Harvey E., assignor to Arvey Corporation, Chicago, Ill. Toy flying machine. 2,408,275; Sept. 24.
- Shafer, James E., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,393,426; Jan. 22.
- Shafer, Julius E., Chicago, Ill. Self-aligning bearing assembly. 2,397,164; Mar. 26.
- Shafer, Julius E., Chicago, Ill. Seal for bearings. 2,403,687; July 9.
- Shaff, Ernest H., assignor to Keller Tool Company, Grand Haven, Mich. Operation controlling means for pressure fluid actuated tools. 2,402,212; June 18.
- Shaff, Ernest H., Spring Lake, Mich., assignor to Cherry River Company, Los Angeles, Calif. Apparatus for setting blind rivets. 2,405,613; Aug. 13.
- Shaffer, Chester E., East Orange, N. J., assignor, by mesne assignments, to Koppers Company, Inc. Fuel-supply control for automatic stokers. 2,400,141; May 14.
- Shaffer, Larkin R., Garland, Utah. Cultivator tool. 2,396,132; Mar. 19.
- Shaffer, Owen S., assignor of one-half to E. D. O'Sullivan, Omaha, Nebr. Drafting instrument. 2,411,981; Dec. 3.
- Shaffer, Philip A., Jr., assignor to California Institute Research Foundation, Pasadena, Calif. Microburet. 2,412,295; Dec. 10.
- Shaffer, William L., assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,402,117; June 11.
- Shakesby, Leonard, Wolverhampton, and S. H. Smith, Manchester, England, assignors to Imperial Industries Limited. Liquid container. 2,407,455; Sept. 10.
- Shakesby, Leonard, and C. A. R. Sutherland, Wolverhampton, and S. H. Smith, Manchester, England, assignors to Imperial Chemical Industries Limited. Securing fittings to containers. 2,409,907; Oct. 22.
- Shakespeare Products Company, assignee: See—
Midding, Eugene A.
- Shaks, William P., Woodside, N. Y. Fish scaling clamp. 2,405,760; Aug. 13.
- Shalkop, Isaac C., assignee, et al.: See—
Sacher, William S.
- Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Ignition furnace. 2,409,072; Oct. 8.
- Shanck, Roy B., Douglas Manor, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier telegraph system. 2,406,042; Aug. 20.
- Shand, Edwin W., Munster, Ind., assignor to Sinclair Refining Company, New York, N. Y. 2-chloroalkylimide chlorides. 2,411,064; Nov. 12.
- Shane, Robert S.: See—
Pike, Edwin F., and Shane.
- Shank, Clifford A., Jackson Heights, and C. M. Rifenberger, Great Kills, Staten Island, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Vacuum tube oscillator. 2,394,018; Feb. 5.
- Shanker, Hyman, assignee: See—
Czolekos, Michael S.
- Shankland, Rodney V.: See—
Baillie, James C., Heard, and Shankland.
- Baillie, James C., and Shankland.

- Shankland, Rodney V., assignor to Standard Oil Company, Chicago, Ill. Tractor fuel and making same. 2,395,976; Mar. 5.
- Shanley, Edward S.: *See—*
Kaufmann, Hans O., Shanley, and McEwen.
- Shannon, Earl H., Gary, Ind. Ignition device. 2,412,655; Dec. 17.
- Shannon, Joseph C., Leadville, Colo. Mineral classifier. 2,407,851; Sept. 17.
- Shantz, Edgar M.: *See—*
Embree, Norris D., and Shantz.
- Shantz, Edgar M., assignor to Distillation Products, Inc., Rochester, N. Y. Concentration of fat-soluble vitamins. 2,410,590; Nov. 5.
- Shaper, Harry B., judicial change of name: *See—*
Shapiro, Harry B.
- Shapiro, Abraham.: *See—*
Schiller, Harold, and Shapiro.
- Shapiro, Benjamin H., New York, N. Y., and I. Thomas, Livingston, and J. Hohl, assignors, by mesne assignments, to Plastic Parts Development Corporation, Newark, N. J. Toy. 2,411,596; Nov. 26.
- Shapiro, Carl L., Beaver Falls, Pa. Method of and apparatus for depolymerizing acrylate resins. 2,412,296; Dec. 10.
- Shapiro, Carl L., New York, N. Y., assignor to Lynnwood Laboratories, Inc., Essex County, N. J. Making protective composition and resulting product. 2,410,688; Nov. 5.
- Shapiro, Harry B.: *See—*
Rutter, Donald E., Shapiro, and Brown.
- Shapiro, Harry B., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezo-electric transducer. 2,399,533; Apr. 30.
- Shapiro, Jacob, Brooklyn, N. Y. Douche receptacle. 2,410,367; Oct. 29.
- Shapiro, Joseph, assignee: *See—*
Garrison, Nelson R.
- Shapiro, Joseph M., Richfield, Conn. Bag for garbage and the like. 2,394,335; Feb. 5.
- Shapiro, Maurice M., Cabin John, Md. Piezoelectric gauge and making the same. 2,408,816; Oct. 8.
- Shapiro, Nathaniel: *See—*
Isenberg, Solon.
- Sharkey, Edward H., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic tube testing apparatus. 2,412,231; Dec. 10.
- Sharkey, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphur-containing esters of hydrolyzed ethylene-vinyl organic ester interpolymers. 2,395,347; Feb. 19.
- Sharkey, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric acetals. 2,395,209; Mar. 5.
- Sharkey, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Xanthates of hydrolyzed interpolymers. 2,395,210; Mar. 5.
- Sharkey, William H., Wilmington, H. M. Cadot, Greenville, and W. B. Clark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive composition derived from hydrolyzed ethylene-vinyl acetate interpolymers. 2,405,983; Aug. 20.
- Shaon Steel Corporation, assignee: *See—*
Weener, Carl W., and Leftingwell.
- Sharp & Dohme, Incorporated, assignee: *See—*
Masucci, Peter.
- Moore, Maurice L.
Sprague, James M.
- Sharp, Ewing L., Los Angeles, assignor to Josephson & Sharp Manufacturing Co., Glendale, Calif. Locking device. 2,392,953; Jan. 15.
- Sharp, James W., Los Altos, assignor to Permanente Cement Company, Oakland, Calif. Silica modified cement. 2,410,954; Nov. 12.
- Sharp, Leslie H.: *See—*
Jones, Benjamin G., and Sharp.
- Sharp, Lord G.: *See—*
Corin, Manuel H., and E. Sharp, and Welinsky.
- Sharp, Paul F., Piedmont, assignor to Golden State Company, Ltd., San Francisco, Calif. Producing dried milk powder. 2,412,635; Dec. 17.
- Sharp, Renwick J., Guatemala City, Guatemala. Pulp-ing machine. 2,397,798; Apr. 2.
- Sharp, Renwick J., Guatemala, Guatemala. Steam kettle. 2,411,906; Nov. 12.
- Sharp, Robert G.: *See—*
Bonnell, Lauren W., and Sharp.
- Sharp, Thomas C., North Hollywood, Calif., assignor to Radio Corporation of America. Electric motor system. 2,412,656; Dec. 17.
- Sharp, Thomas E.: *See—*
Wallace, Joseph S., and Sharp.
- Sharp, Thomas E., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 2,398,193; Apr. 9.
- Sharpe, Charles M., San Francisco, Calif. Electric cooker. 2,405,984; Aug. 20.
- Sharpe, Donald B., North Tonawanda, and R. A. Baumgartner, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and making. 2,405,524; Aug. 6.
- Sharpe, Joseph A.: *See—*
Eisler, Joseph D., and Sharpe.
- Sharpe, Norman, San Luis Obispo, Calif. Apparatus for freezing comestibles. 2,402,921; June 25.
- Sharples Chemicals Inc., assignee: *See—*
Goshorn, Roland H.
- Hunt, Charles K., Olin, and Brandt.
Morton, Paul D., and Olin.
Olin, John F.
- Sharples Corporation, The, assignee: *See—*
Jones, Leo D.
Jones, Leo D., and Serrell.
Sender, Leopold.
Sender, Leopold, and Jones.
Sharples, Laurence P.
- Sharples, Edwin H.: *See—*
Hegan, Horace J., and Sharples.
- Sharples, Laurence P., Ardmore, assignor to The Sharples Corporation, Philadelphia, Pa. Fuel feeding and cooling system. 2,403,831; July 9.
- Sharples, Laurence P., Ardmore, Pa., assignor to The Sharples Corporation, Philadelphia, Pa. Separation of liquids from solids. 2,409,713; Oct. 22.
- Shartle, Robert A.: *See—*
Readman, Bernard L., and Shartle.
- Shaver, Elmer E., Wilmington, and J. L. Patton, Newport, Del. Portable power cable Skinner. 2,396,442; Mar. 12.
- Shaver, Forrest W.: *See—*
Gresham, Thomas I., and Shaver.
- Shaw, Arthur J., assignee, et al.: *See—*
Wilson, Allan J.
- Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Three-way solenoid valve. 2,398,452; Apr. 6.
- Shaw, Burton E., Bristol, and W. W. Wood, assignors to Penn Electric Switch Co., Goshen, Ind. Refrigeration system. 2,393,123; Jan. 15.
- Shaw, Clarence W., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Pump structure. 2,405,061; July 30.
- Shaw, Douglas T., Montreal, Quebec, Canada. Fastening conductors to insulators. 2,411,007; Nov. 12.
- Shaw, Elgin L.: *See—*
Donnell, Lloyd H., and Shaw.
- Shaw, Harold D., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Leakage testing apparatus for high-pressure containers. 2,398,051; Apr. 9.
- Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Bottom construction for cribs. 2,397,697; Apr. 2.
- Shaw, Harry, Rochdale, England. Apparatus for determining the roughness of surfaces. 2,396,394; Mar. 12.
- Shaw, John D.: *See—*
Hungerford, Daniel C., and Shaw.
- Shaw, John B., Chicago, Ill. Parenteral bottle construction. 2,395,149; Feb. 19.
- Shaw, Joseph A., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Gas purification process. 2,395,509; Feb. 26.
- Shaw, Leon I.: *See—*
Hoff, Wilbur L., and Shaw.
- Shaw, Louis F., East Orange, N. J. Variable speed transmission. 2,399,452; Apr. 30.
- Shaw, Minnie E., assignee, et al.: *See—*
Wilson, Allan J.
- Shaw, Morton R., Jr.: *See—*
Guyer, Edwin M., and Shaw.
- Shaw, Ralph M., Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa. Bending machine. 2,413,523; Dec. 31.
- Shaw, Ralph M., Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa. Bending machine. 2,413,524; Dec. 31.
- Shaw, Thomas P. G., Shawinigan Falls, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Composition comprising vermiculite and a thermoplastic resin. 2,411,470; Nov. 19.
- Shaw, Walter M., Moline, Kans. Air-cooled gas burner. 2,407,349; Sept. 10.
- Shaw, Walter M., Kansas City, Kans. Forced draft floor heater. 2,408,691; Oct. 1.
- Shawinigan Chemicals Limited, assignee: *See—*
Collings, Henry M., and Kiar.
Kennedy, Douglas J.
Manson, George J.
Morrison, George O., and Collins.
Shaw, Thomas P. G.
- Shen, James J., assignor to Milton Bradley Company, Springfield, Mass. Universal joint. 2,395,792; Feb. 26.
- Shear, Walter B., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Shearing apparatus. 2,412,066; Dec. 3.
- Shearer, Russell C., Raymondville, assignor to St. Regis Paper Company, New York, N. Y. Bleaching of groundwood. 2,413,583; Dec. 31.
- Shears, Willis A., New Castle, Ind. Multiple hinge structure. 2,400,608; May 21.
- Shearer, William A., R. D. Shepherd, and E. R. Watkins, New Castle, Ind., assignors to New Castle Products, New Castle, Pa. Locking latch structure. 2,405,240; Aug. 6.
- Shearman, Spicer D., assignor to The Aero Equipment Corporation, Bryan, Ohio. Pumps for lubricants and the like. 2,409,562; Oct. 22.

Sheehan, Edward F., and G. V. Hunt, Philadelphia, Pa. Safety cutoff for power operated hand tools. 2,409,397; Oct. 15.

Sheehan, William E., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel injection pump. 2,413,115; Dec. 24.

Sheffield, Berthold, Rocky Point, N. Y., assignor to Radio Corporation of America. Radio submarine lure and trap. 2,406,111; Aug. 20.

Sheffield Corporation, The, assignee: *See—*

Aller, Willis F.

Aller, Willis F., and Mahlmeister.

Boeck, Max E., and Rausch.

Mahlmeister, Raymond A.

Moss, Richard Y.

Polk, Louis F., and Aller.

Rausch, Konrad.

Shelby, Robert E.: *See—*

Hanson, Oscar B., and Shelby.

Sheldon, Lyle A., Schenectady, N. Y., assignor to General Electric Company. Arc lamp electrode regulating system and mechanism. 2,402,922; June 25.

Sheldon, Robert M., Los Angeles, Calif. Cable tension regulator. 2,405,062; July 30.

Sheldrick, Henry W., and W. P. Hoglund, assignors to Collier-Keyworth Company, Gardner, Mass. Chair iron. 2,403,198; July 2.

Shell Development Company, assignee: *See—*

Adelson, David E., and Dannenberg.

Adelson, David E., Ruh, and Gray.

Anderson, John, and Castner.

Anderson, John, Bullard, and McAllister.

Archibald, Raymond C.

Archie, Gustave E.

Arndt, Donald G., and Holt.

Bailey, William A., Jr., and Bittner.

Bailey, William A., Jr., and Burgin.

Bailey, William A., Jr., and Peterson.

Ballard, Seaver A.

Ballard, Seaver A., and Haury.

Ballard, Seaver A., and Perona.

Ballard, Seaver A., and Winkler.

Bent, Franklin A., and Mary.

Bent, Franklin A., and Ryan.

Bergsteinsson, Ingolfur.

Bergsteinsson, Ingolfur, Scheibbl, and Dickey.

Blott, John, and Alexander.

Bullard, Edwin F., Anderson, and McAllister.

Buller, Reginald F.

Burgin, James.

Cheney, Harry A.

Cheney, Harry A., and McMillan.

Cole, Robert M.

Cole, Robert M., and Shultz.

Crawford, Chester C., and Ross.

Crawford, Chester C., and Yabroff.

Davis, Orris L., and Nixon.

Diamond, Hyman.

Dickey, Frank H.

Dickey, Frank H., and Bell.

Durham, Emmett L.

Evans, Theodore W.

Evans, Theodore W., and Adelson.

Evans, Theodore W., and Cattaneo.

Evans, Theodore W., Morris, and Shokal.

Evans, Theodore W., Vaughan, and Rust.

Gage, William P.

Gasser, Walter.

Glendenning, Everett B.

Greensfelder, Bernard S.

Greensfelder, Bernard S., and Bailey.

Greensfelder, Bernard S., and Perry.

Greensfelder, Bernard S., and Peterson.

Griffin, John R., Jr., and Van Ess.

Gutzelt, Carlos L.

Hall, Larry G., and Boucher.

Hantzsch, Ralph E., and Mudd.

Harsch, Raymond.

Hatch, Lewis F., Adelson, and Blackburn.

Haury, Vernon E., and Ballard.

Hearne, George W.

Hearne, George W., Adams, and Buls.

Hummel, Fred E.

Hurley, Paul E., and Dunlap.

Liedholm, George E., and McMillan.

Lovell, Lawrence L., and Jahn.

Luten, Daniel B., Jr.

Luten, Daniel B., Jr., and Benedictis.

McAllister, Sumner H., Anderson, and Ross.

McAllister, Sumner H., and Peery.

McMillan, Frank M., and Cheney.

McMillan, Frank M., and Liedholm.

Meyer, Percy.

Montgomery, George C., and McOmie.

Morris, Rupert C., and Shokal.

Morris, Rupert C., Shokal, and Snider.

Morris, Rupert C., Shokal, and Thornhill.

Nixon, Alan C., and Yabroff.

Nixon, Ivor G.

Peery, Norman E.

Plank, Leavern E.

Ross, William E.

Ross, William E., and Carlson.

Ross, William E., and Pezzaglia.

Shell Development Company, assignee: *See—Continued*

Routson, Willis G.

Rust, Frederick F., and Vaughan.

Rust, Frederick F., Dickey, and Bell.

Smith, J. Ernest, and Shenk.

Sommer, Harry J.

Sprinkle, Marshall R., and MacDuff.

Stanly, Albert L.

Stanly, Albert L., and Cattaneo.

Van Dijk, Willem J. D.

Van Ess, Paul R., Watson, and Whitney.

Vaughan, William E., and Rust.

Wachter, Aaron, and Treseder.

Walters, Ernest L.

Weiss, Frederick T., and Arbutnot.

Weiss, Frederick T., and Sullivan.

Whitehill, Lynwood N., and Barker.

Williams, Paul H.

Wilson, Norman B.

Wyman, Joseph B., and Loeb.

Yale, Harry L.

Yale, Harry L., and Hearne.

Zublin, Ernest W., White, and Barnum.

Zuidema, Hilbert H., and Mital.

Shelley, Florence M., assignee: *See—*

Nelson, William B., Johnsen, Dyruff, and Bell.

Shelley, Thomas: *See—*

Knowledge, Arthur J., and Shelley.

Shellmar Products Company, assignee: *See—*

Gilfilan, Paul M.

Kearns, Henry.

Southwick, Charles A., Jr.

Shelly, Allen P., Denver, Colo. Pencil. 2,407,106; Sept. 3.

Shelly, Llewellyn W.: *See—*

Hamilton, Samuel H., and Shelly.

Shelton, Dothan L., Amarillo, Tex. Shorthand machine. 2,393,661; Jan. 29.

Shelton, James R., Cleveland Heights, Ohio. Halogen derivatives of Schiff's bases having a bactericidal action. 2,395,271; Jan. 22.

Shelton, Lee E.: *See—*

Sweeney, Benjamin A., and Shelton.

Shelton, Nellie S., Missoula, Mont. Fishhook holder. 2,401,886; June 11.

Shelton, Robert S., Mariemont, assignor to The Wm. S. Merrell Company, Reading, Ohio. Butanolamine salts of theophylline. 2,404,319; July 16.

Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Deer Park, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Composition of matter and method. 2,408,345; Sept. 24.

Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Silverton, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Esters of dimethylamino-ethanol useful as local anesthetics. 2,409,001; Oct. 8.

Shelton, Virgil, Canton, Ohio, assignor to The Bowditch Company, Chain link. 2,397,989; Apr. 9.

Shelton, Virgil O.: *See—*

Morrow, Harry M., and Shelton.

Shenk, Eugene R.: *See—*

Miller, William A., and Shenk.

Shenk, Eugene R., Brooklyn, and J. E. Smith, Jackson Heights, N. Y., assignor to Radio Corporation of America. Signaling system. 2,409,989; Oct. 22.

Shepard, Arthur P., Flushing, N. Y., assignor to Metalizing Engineering Co., Inc., Long Island City, N. Y. Gun construction for gas blast spraying heat-fusible materials. 2,397,165; Mar. 26.

Shepard, Frank B., Texon, Tex. Filtering apparatus. 2,411,341; Nov. 19.

Shepard, Huldah A., Chicago, Ill. Dehydration of food. 2,400,845; May 21.

Shepard, James G., Toronto, Ontario, Canada. Internal-combustion engine. 2,401,375; June 4.

Shepard, Richard D.: *See—*

Shearer, William A., and Shepard, and Watkins.

Shepard, Stanley C.: *See—*

Wolfson, Henry, and Shepard.

Shepardson, Robert M.: *See—*

Kuhl, Paul E., and Shepardson.

Shepardson, Robert M., Madison, N. J., assignor to Standard Oil Development Co. Producing ethyl benzene. 2,404,104; July 16.

Shepherd, Allan G., Burbank, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Swing joint. 2,400,658; May 21.

Shepherd, Gordon: *See—*

Drieschman, Donald F., Shepherd, Rabinowitz, Newhall, and Sorg.

Shepherd, James E., Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Phase sensitive apparatus. 2,410,843; Nov. 12.

Shepherd, James E., Hempstead, and J. D. Mallett, Garden City, N. Y., assignors to Sperry Gyroscope Company, Inc. Visual position and phase sense indicator. 2,406,858; Sept. 3.

Shepherd, Judson O'D., Atlanta, Ga. Communication system. 2,398,755; Apr. 16.

Shepherd, Judson O'D., Atlanta, Ga. Position control system. 2,408,485; Oct. 1.

- Sherpherd, William G.: *See—*
 Pierce, John R., and Shepherd.
- Sherpherd, William G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,401,777; June 11.
- Sherpherd, William G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation. 2,407,293; Sept. 10.
- Sheppard, Frank, Greenfield Park, Quebec, Canada. Magnetic chuck attachment plate. 2,401,887; June 11.
- Sheppard, Orson C.: *See—*
 Monson, Louis T., and Sheppard.
- Sheppard, Samuel E., and Sheppard.
 Houck, Robert C., Russell, and Sheppard.
- Sheppard, Samuel E., and R. C. Houck, assignors to Eastman Kodak Company, Rochester, N. Y. Refining gelatin. 2,400,375; May 14.
- Sheppard, Samuel E., Rochester, N. Y., and H. R. Brigham, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Sensitizing photographic emulsions. 2,410,689; Nov. 5.
- Sherer, Chester H., assignee: *See—*
 Henjum, Gerald J.
- Sheridan, Hiram W., Oak Park, Ill. Two-speed parachute. 2,405,833; Aug. 6.
- Sheridan, Hiram W., Oak Park, Ill. Dust gauge. 2,406,409; Aug. 27.
- Sheridan, T. W. & C. B. Company, assignee: *See—*
 Kleineberg, Paul E.
- Sherka Chemical Co., Inc., assignee: *See—*
 Schotte, Herbert, and Ebert.
- Sherman, Albert, assignee: *See—*
 Gottlieb, Robert.
- Sherman, Albert, Hampton, Va. Variable-area nozzle for jet-propelled aircraft. 2,408,099; Sept. 24.
- Sherman, Albert, and R. Gottlieb, New York, N. Y. Flush-riveting procedure. 2,395,348; Feb. 19.
- Sherman, Arthur E., assignor to Briggs Manufacturing Company, Detroit, Mich. Automatic feed for drills. 2,395,018; Feb. 19.
- Sherman, Arthur G., assignor to Sherman Laboratories, Detroit, Mich. Display and dispensing package for tablets. 2,411,471; Nov. 19.
- Sherman, Donald W., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded pressed metal landing gear strut. 2,395,690; Feb. 26.
- Sherman, Elbert W.: *See—*
 Devol, George C., Jr., Pritchard, and Sherman.
 Ledbetter, Pritchard, and Sherman.
- Sherman, Floyd A., assignor to National Electronics Corporation, Cleveland, Ohio. Current conversion device. 2,400,609; May 21.
- Sherman, Forrest P.: *See—*
 Sinton, William, Sherman, and Chadwick.
- Sherman, Fred A., Juniata, assignor to Oscar Neander, Grand Island, Nebr. Hydraulic crane. 2,392,004; Jan. 1.
- Sherman, George B., trustee, assignee: *See—*
 Sherman, George B.
- Sherman, George B., Oak Park, Ill., assignor, by mesne assignments, to G. B. Sherman, as trustee. Coupling means for tractors. 2,394,210; Feb. 5.
- Sherman-Klove Co., assignee: *See—*
 Reub, Theodore O.
- Sherman Laboratories, assignee: *See—*
 Sherman, Arthur G.
- Sherman, Leon M., Packanack Lake, N. J. Torque converter and control system. 2,401,376; June 4.
- Sherman, Louis H., Camden, N. J. Forming pedal appliances. 2,409,594; Oct. 15.
- Sherman, Michael: *See—*
 Ketay, Morris F., and Sherman.
- Sherman, Monroe, and L. Palliser, New York, N. Y. Ear-ring. 2,405,525; Aug. 6.
- Sherman, Raton M., Eastonbury, Conn. Hydrocarbon combustion tube burner. 2,411,342; Nov. 19.
- Sherman, Vernon W., Summit, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Induction heating apparatus. 2,397,990; Apr. 9.
- Sherman, Vernon W., Summit, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Progressive induction heating apparatus. 2,402,186; June 18.
- Sherman, Vernon W., Summit, N. J., assignor to Federal Telephone & Radio Corporation. High-frequency baking apparatus. 2,413,003; Dec. 24.
- Sherman, Vernon W., Summit, and R. Ketchum, Newark, N. J., assignors to International Safety Lock Nut Corporation, New York, N. Y. Lock-nut device. 2,392,069; Jan. 1.
- Sherrell, Burl E., Peru, Ind. Magnetic compass. 2,396,133; Mar. 6.
- Sherwin-Williams Company, The, assignee: *See—*
 Adams, Richard C.
 McCord, Andrew T., and Saunders.
 O'Neal, Grady M.
 Todd, Seidon P., and Verdun.
 Walton, William T., and Eysenbach.
- Sherwood, Glenn L., assignor to Kaywood Corporation, Benton Harbor, Mich. Coating machine and coating. 2,404,000; July 16.
- Sherwood, Thomas K., Wellesley, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of formaldehyde. 2,412,014; Dec. 3.
- Sherwood, William T., assignor to Eastman Kodak Company, Rochester, N. Y. Machine for metering cement to lenses. 2,407,208; Sept. 3.
- Sheshunoff, Victor: *See—*
 Whitfield, Marshall G., and Sheshunoff.
- Shesky, Aaron Z.: *See—*
 Klein, Philip I., and Shesky.
- Sheuman, James E., Waynesboro, Pa. Floating tool holder. 2,404,866; July 30.
- Shield, Robert W., Chicago, Ill. Wringer. 2,409,595; Oct. 15.
- Shields, Albert F., Jamaica, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Partition assembling machine. 2,392,005; Jan. 1.
- Shields, Francis J., Bombay, N. Y. Slipper. 2,410,186; Oct. 29.
- Shields, James E., Niagara Falls, assignor to Alox Corporation, New York, N. Y. Gun oil composition. 2,397,904; Apr. 2.
- Shields, Robert A., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. High capacity mine car. 2,411,939; Dec. 3.
- Shikles, John C., St. Louis, Mo. Dining booth. 2,409,805; Oct. 22.
- Shimek, Edwin J., and W. B. Hemphill, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gain-control system for seismic amplifiers. 2,408,001; Sept. 24.
- Shimek, William F., Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine shuttle. 2,396,755; Mar. 19.
- Shiner, John M., Dallas, Tex. Fluid actuated mechanism. 2,402,300; June 18.
- Shinkle, Edward M., Burlington, Iowa. Hand grenade and fuse therefor. 2,408,486; Oct. 1.
- Shinomiya, Shigeru, Tokyo, Japan; vested in the Allen Property Corporation. Drilling device. 2,410,743; Nov. 5.
- Shipley, Frank F., Tenafly, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph permutation code signal translator. 2,408,100; Sept. 24.
- Shipley, Robert C., Kalamazoo, Mich. Cribbage board. 2,404,320; July 16.
- Shipula, Anthony, assignee: *See—*
 Armathes, Joseph F.
- Shirk, Charles H.: *See—*
 Shirk, William C., J. A. and R. C. Jacobson, and Shirk.
- Shirk, William C., Sioux Falls, J. A. and R. C. Jacobson, Brandon, and C. H. Shirk, Sioux Falls, S. Dak. Loading machine. 2,412,297; Dec. 10.
- Shive, Edith: *See—*
 Minnick, Charles H.
- Shive, William, Urbana, Ill., and R. A. Glenn, Mount Lebanon, Pa., assignors to Pittsburgh Coke & Chemical Company. Synthesis of nicotinic compounds. 2,409,806; Oct. 22.
- Shively, John J.: *See—*
 Fishack, Howard G., Miller, and Shively.
- Shivers, Paul F., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Altimeter. 2,398,470; Apr. 16.
- Shivers, Paul F., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Altimeter. 2,412,541; Dec. 10.
- Shmidt, Albert J., Houston, Tex., assignor to Standard Oil Development Company. Recovery of hydrogen halide. 2,397,760; Apr. 2.
- Shmiklier, Joseph, assignor to Illinois Glove Company, Champaign, Ill. Hand covering. 2,394,532; Feb. 12.
- Shoberg, Leonard S.: *See—*
 Trefz, Julius J., and Shoberg.
- Shock, Howard L., Jr., assignor to Pulmosan Safety Equipment Corporation, Brooklyn, N. Y. Eye shield. 2,395,297; Feb. 19.
- Shock, Howard L., Jr., assignor to Pulmosan Safety Equipment Corporation, Brooklyn, N. Y. Respirator dust filter. 2,395,298; Feb. 19.
- Shockley, William, Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency electronic device. 2,409,227; Oct. 15.
- Shockley, William, Madison, and G. W. Willard, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave propagation device. 2,407,294; Sept. 10.
- Shoe Form Co., Inc., assignee: *See—*
 DeWitt, William J., and Corbett.
- Shoe Press Corporation, assignee: *See—*
 Mahoney, James A., and Anderson.
- Shoemaker, Bernard H.: *See—*
 D'Ouville, Edmond L., and Shoemaker.
 Lien, Arthur P., and Shoemaker.
- Shoemaker, Bernard H., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Isomerization of light naphtha paraffinic hydrocarbons. 2,399,765; May 7.
- Shoemaker, Richard W., Woodbury, Conn. Fabrication of helical heat exchange fins. 2,396,611; Mar. 12.

- Shoemaker, Richard W., Woodbury, assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Thermal-balance-responsive apparatus. 2,393,353; Apr. 9.
- Shoemaker, Robert C., assignor to Willamette Hyster Company, Portland, Oreg. Truck loader. 2,394,940; Feb. 12.
- Shoemaker, Robert C., assignor to Hyster Company, Portland, Oreg. Truck loader. 2,409,398; Oct. 15.
- Shoemaker, William E., Freeport, N. Y. Stove. 2,395,508; Apr. 16.
- Shokal, Edward C.; See—
Evans, Theodore W., Morris, and Shokal.
Morris, Rupert C., and Shokal.
Morris, Rupert C., Shokal, and Snider.
Morris, Rupert C., Shokal, and Thornhill.
- Shomer, John E.; See—
Brown, Walter J., and Shomer.
- Shommer, Carl, Kinsman, Ohio. Adjustable mounting for liquid fuel burners. 2,404,663; July 23.
- Shoner, Robert N., Fort Wayne, Ind. Seal leakage indicator for canned goods. 2,392,773; Jan. 8.
- Shoner, Robert N., Fort Wayne, Ind. Seal leakage indicator for containers. 2,395,588; Feb. 26.
- Shonnard, Orlando D., Upper Montclair, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Nozzle. 2,392,195; Jan. 1.
- Shonts, Raymond O., Horicon, Wis. Fishline drier. 2,401,517; June 4.
- Shook, Earley M., and R. W. Olson, Washington, D. C., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. System for geophysical exploration. 2,413,116; Dec. 24.
- Shooman, Lou; See—
Goldstein, William V., and Shooman.
- Shoop, Charles T., College Point, N. Y. Manicure device. 2,408,888; Oct. 8.
- Shoop, Glen C., San Diego, and E. L. Tripp, Ocean Beach, Calif. Spotting board attachment. 2,399,576; Apr. 30.
- Shore, Henry, Jackson Heights, N. Y., assignor to Radio Corporation of America. Signaling system. 2,408,692; Oct. 1.
- Shore, Sidney X., New York, assignor to North American Philips Company, Inc., Dobbs Ferry, N. Y. Piezoelectric crystal. 2,411,298; Nov. 19.
- Shores, Ronald B., Yeadon, Pa., assignor to General Electric Company. Shockproof mounting. 2,412,838; Dec. 17.
- Short, Brothers (Rochester & Bedford) Limited, assignee; See—
Gouge, Arthur.
- Short, Charles E., and E. M. Brown, Jr., Wilmington, Del., said Brown assignor to said Short. Power units for amusement devices and the like. 2,398,471; Apr. 16.
- Short, Frank, Canton Center, Conn. Grenade fuse. 2,412,636; Dec. 17.
- Short, Frank, Canton Center, Conn. Grenade. 2,413,004; Dec. 24.
- Short, George A., assignor to The Hotstream Heater Company, Cleveland, Ohio. Control mechanism. 2,402,705; June 25.
- Short, Graham H.; See—
Schulze, Walter A., and Short.
- Short, Nancy, Runcorn, England, assignor to Imperial Chemical Industries Limited. Production of organic compounds. 2,408,889; Oct. 8.
- Short, Thomas T., Fort Wayne, Ind., assignor to General Electric Company. Electrical apparatus. 2,404,254; July 16.
- Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Apparatus for heat treating internal surfaces of metal articles. 2,403,731; July 9.
- Shorter, Josephine, assignee; See—
Waters, Andrew S.
- Shoults, David R., Schenectady, N. Y., assignor to General Electric Company. Aircraft supercharger. 2,393,713; Jan. 29.
- Shoults, Earl K., Los Angeles, Calif. Combination saw. 2,403,027; July 2.
- Shoupp, William E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Measuring apparatus. 2,408,230; Sept. 24.
- Showalter, Jere C., Goose Creek, Tex., assignor to Standard Oil Development Company. Detergent composition. 2,392,779; Jan. 8.
- Showalter, Jere C., Goose Creek, Tex., assignor to Standard Oil Development Company. Recovering olefins from a hydrocarbon stream. 2,400,376; May 14.
- Showalter, Jere C., Goose Creek, Tex., assignor to Standard Oil Development Company. Preparing petroleum sulfonates. 2,412,916; Dec. 17.
- Shrader, Chalmon J., Henrico County, Va. Electrical ground clamp. 2,408,276; Sept. 24.
- Shriro, Morris A., Elberon, N. J., assignor to the United States of America, as represented by the Secretary of War. Moistureproofing device. 2,405,614; Aug. 13.
- Shriro, Morris A., Elberon, and A. Hindin, Eatontown, N. J., assignors to the Government of the United States of America, as represented by the Secretary of War. Mounting device. 2,402,682; June 25.
- Shriver, Leland C., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Making styrene from methyl phenyl carbinol. 2,399,395; Apr. 30.
- Shriver, William C., Jr., Huntington, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Making a bushing. 2,397,626; Apr. 2.
- Shroshire, William W., Chicago, Ill., assignor to International Smelting & Refining Company, New York, N. Y. Refining zinciferous lead. 2,411,940; Dec. 3.
- Shugars, Elmer C., Muskegon, Mich. Precision grinder for tools and the like. 2,392,759; Jan. 8.
- Shuler, Morris L., Cleveland Heights, Ohio. Device for securing tires to the rim of vehicle wheels. 2,398,472; Apr. 16.
- Shulman, Carl; See—
Kilgore, George R., Ferris, and Shulman.
- Shulman, Carl I., East Orange, and G. R. Kilgore, Verona, N. J., assignors to Radio Corporation of America. Electron discharge device. 2,407,706; Sept. 17.
- Shultz, Irving I.; See—
Cole, Robert M., and Shultz.
- Shumaker, Lucky J., Bellevue, assignor to H. H. Robertson Company, Pittsburgh, Pa. Ventilating apparatus. 2,406,168; Aug. 20.
- Shumate, Frank D., Larchmont, N. Y., and G. W. Saathoff, South Orange, N. J.; said Shumate assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., and said Saathoff assignor to H. S. Davis, Lexington, Mass. Condenser circulating system. 2,404,321; July 16.
- Shurcliff, William A.; See—
Stearns, Edwin I., and Shurcliff.
- Shuron Optical Company, Inc., assignee; See—
Long, Eli M.
- Shurtliff, Alfred J., Pocatello, Idaho. Baby jumper. 2,408,002; Sept. 24.
- Shurts, Englebert, and L. F. Bender, Waukesha, Wis. Cup for milking machines. 2,402,094; June 11.
- Sias, Frederick R., Lynfield Center, and D. B. Pearson, Marblehead, Mass., assignors to General Electric Company. Capacitor fuel gauge. 2,409,073; Oct. 8.
- Siazik, Victor, Detroit, Mich. Sighting means for machine guns. 2,412,298; Dec. 10.
- Sibley, Clement N., Amityville, and F. Wiesler, Jamaica, N. Y. Door holder. 2,398,602; Apr. 16.
- Sibson, Walter W., Jr.; See—
Wright, Howard V., and Sibson.
- Sickles, F. W., Company, The, assignee; See—
Benner, Howard J.
- Sickles, F. W., Company, The, assignee, et al.; See—
Benner, Howard J.
- Sickles, F. W., Company, The, assignee; See—
Benner, Howard J., and Hadley.
- Sicular, Henry, Berkeley, Calif. Fluoroscopic detection apparatus. 2,398,194; Apr. 9.
- Sicular, Henry, San Francisco, Calif. Fluoroscopic detection apparatus. 2,398,195; Apr. 9.
- Sicular, Henry, Berkeley, Calif. Method and apparatus for fluoroscopic personnel inspection. 2,398,196; Apr. 9.
- Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Bearing. 2,400,028; May 7.
- Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 2,413,584; Dec. 31.
- Sidebotham, Melvin H., Newton, assignor of one-half to Harlow M. Russell, Chelsea, Mass. Nipple applying implement. 2,408,693; Oct. 1.
- Sides, Harold I., Chicago, Ill. Basket carrying cart. 2,398,883; Apr. 23.
- Sidley, William, trustee, et al.; See—
Geiger, William A.
- Sidley, William P., trustee, assignee, et al.; See—
Geiger, William A.
- Sidney, Charles W., Summit, N. J., assignor of one-half to The E. C. Hauserman Company, Cleveland, Ohio. Spot welding apparatus. 2,395,977; Mar. 5.
- Siebel, William H., San Francisco, to H. C. Dutton, Jr., Millbrae, Calif. Pipe. 2,401,974; June 11.
- Siebenaler, Clarence, assignee; See—
Roe, Andrew L.
- Siebert, Arthur, Frankfurt-on-the-Main, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Triazo diphenyl dyestuffs. 2,394,114; Feb. 5.
- Sieck, Paul, Mount Lebanon Township, Allegheny County, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Conversion of hydrocarbons at high rates of heat input. 2,406,640; Aug. 27.
- Siedlarz, Thomas, Van Dyke, Mich. Gun sight. 2,402,263; June 18.
- Siedle, Arnold D., Cleveland Heights, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,400,214; May 7.
- Siedle, Arnold D., Cleveland Heights, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,401,385; June 4.
- Siegel, A. L., Co. Inc., assignee; See—
Levitt, Benjamin A.

- Siegel, Ernst F., Elizabeth, N. J., assignor to Reichhold Chemicals, Inc., Detroit, Mich. Preparation of certain reactive phenolaldehyde resins and their use as modifying agents for resins. 2,490,713; May 21.
- Siegel, Joseph, New York, N. Y. Fastening means. 2,405,271; Aug. 6.
- Siegel, Morris H.: *See*—
Sonin, Frances, and Siegel.
- Siegel, Walter: *See*—
Lambach, Fritz, and Siegel.
- Sieger, John R., Hudsonville, Mich. Hobbyhorse velocipede. 2,400,265; May 14.
- Siemens Brothers & Co. Limited, assignee: *See*—
Christian, David A.
- Siemers, Eric, assignor, by mesne assignments, to Lacey-Webber Co., Kalamazoo, Mich. Emergency lamp. 2,404,753; July 23.
- Sievenpiper, Frederic, Alden, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing 2,6-nitro chlor benzy alcohol. 2,407,182; Sept. 3.
- Siever, Hughes L., Keyser, W. Va., assignor to Borne Strymner Corporation, Apparatus for applying treating liquids to fibers. 2,405,857; Aug. 13.
- Sievers, Carl F.: *See*—
St. Clair, Theodore A., Sievers, and Olson.
- Sievers, Carl P., Pontiac, Mich., assignor to Phillips Petroleum Company, Apparatus for opening a valve, and valve disk fastening means. 2,406,914; Sept. 3.
- Sievers, Henry J., Evanston, Ill. Tube scraper. 2,395,019; Feb. 19.
- Siff, George A., New York, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Slide fastener element. 2,394,211; Feb. 5.
- Siffter, Robert H., Brookfield, assignor to Armour and Company, Chicago, Ill. Isolation of dehydrochloric acid. 2,411,169; Nov. 19.
- Sigg, Joseph A., Pittsburgh, Pa. Toy gun. 2,399,149; Apr. 23.
- Sigler, Laurence M., Washington, D. C., and J. C. Gill, San Francisco, Calif., assignor of one-third to K. B. Gill, Indianapolis, Ind. Removable conveyor pan for egg opening machines. 2,397,698; Apr. 2.
- Sigman, Edwin H., assignee: *See*—
Vicente, Herman.
- Sigmund Corporation, assignee: *See*—
Sigmund, Frank J., and Hlavin.
- Sigmund, Frank J., and W. S. Hlavin, assignors, by mesne assignments, to Sigmund Corporation, Cleveland, Ohio. Deposition of rubber on the windings of magnetizable cores. 2,400,576; May 21.
- Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors, by mesne assignments, to Sigmund Corporation. Winding support means for magnetizable cores. 2,400,891; May 28.
- Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors, by mesne assignments, to Sigmund Corporation. Support for windings in magnetizing cores. 2,405,615; Aug. 13.
- Sigmund, Miroslav, Gosforth, England. Filter. 2,397,759; Apr. 2.
- Signalgo, Frank K.: *See*—
Farlow, Mark W., and Signalgo.
- Lazier, Wilbur A., and Signalgo.
- Lazier, Wilbur A., Signalgo, and Wernitz.
- Lazier, Wilbur A., Signalgo, and Wise.
- Peppel, William J., and Signalgo.
- Signalgo, Frank K., Appawynne Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,402,456; June 18.
- Signalgo, Frank K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation catalysts and preparation. 2,402,689; June 25.
- Signalgo, Frank K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation catalysts and preparation. 2,402,684; June 25.
- Signalgo, Frank K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes. 2,402,685; June 25.
- Signalgo, Frank K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of aryl sulphides and products resulting. 2,402,686; June 25.
- Signalgo, Frank K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of organic sulphides. 2,406,410; Aug. 27.
- Signalgo, Frank K., and W. J. Peppel, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal plating process. 2,410,844; Nov. 12.
- Signal Engineering & Manufacturing Company, assignee: *See*—
Bean, Roscoe D., and Murray.
- Cypser, Hugo F.
- Signarovitz, George J.: *See*—
Hilmer, Milton, Signarovitz, and Adlan.
- Signer, Rudolf, Bern, Switzerland. Hardening and tanning of artificial fibers made of protein. 2,404,665; July 23.
- Signer, Rudolf, Gumligen, Bern, Switzerland. Methods of and apparatus for dialytically separating mixtures of substances. 2,405,456; Aug. 6.
- Signode Steel Strapping Company, assignee: *See*—
Frear, Jenness B.
- Weiss, Le Roy.
- Signor, Albert J., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Apparatus for producing synthetic yarn. 2,406,641; Aug. 27.
- Signoret, Albert J., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Yarn production. 2,406,642; Aug. 27.
- Sigoda, Jerry: *See*—
Sigoda, Victor J. and J., and Cosentino.
- Sigoda, Victor J., Great Neck, J. Sigoda, New York, and Cosentino, Richmond Hill, Long Island, assignors to Man-Sew Finking Attachment Corp., New York, N. Y. Gasket trimming machine. 2,397,991; Apr. 9.
- Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Adjustable rotor. 2,402,349; June 18.
- Silberman, J. D., assignee et al.: *See*—
Travis, Pierce M.
- Silbernagel, Frederick C., assignor to A. M. Richter Sons Co., Manitowoc, Wis. Making high strength vinegar. 2,395,510; Feb. 26.
- Silbert, Ellen, assignee, et al.: *See*—
Du Bois, Joseph E.
- Silcox, Arthur E., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Beam driving mechanism for slabs. 2,405,908; Aug. 13.
- Silent, Harold C., Los Angeles, Calif., assignor to the Government of the United States of America, as represented by the Secretary of the Navy. Acoustic coupler for condenser microphones. 2,405,858; Aug. 13.
- Silent Hoist & Crane Co., assignee: *See*—
Botnick, Maurice M.
- Siler, Clay V.: *See*—
McKee, Paul H., and Siler.
- Sillex Company, The, assignee: *See*—
Lucia, Louis V., and Bassett.
- Silhan, Florian P., Marion, Kans. Seat. 2,409,714; Oct.
- Sillers, Thomas G. A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Travel limiting device. 2,397,699; Apr. 2.
- Sillic Holding Company, Limited, The, assignee: *See*—
Eulkin, Mark.
- Sillman, Ilon M.: *See*—
Sillman, William A., and I. M.
- Sillman, William A., and I. M., New York, N. Y. Artist's palette or the like. 2,402,850; June 25.
- Silman, Leon, New York, N. Y. Full-fashioned knitted garment and manufacturing the same. 2,406,969; Sept. 3.
- Silmo Chemical Corporation, assignee: *See*—
Korner, John, and Loomis.
- Sils Corporation, assignee: *See*—
Job, Arthur.
- Silva, Frank J., San Jose, Calif. Fruit halving and pitting. 2,404,990; July 30.
- Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,393,937; Jan. 29.
- Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Hydraulic cylindrical grinding machine. 2,396,892; Mar. 19.
- Silven, Herbert A., Worcester, Mass., assignor to Norton Company. Grinding machine steadyrest. 2,399,608; Apr. 30.
- Silver, Herbert A., assignor to Norton Company, Worcester, Mass. Grinding wheel spindle reciprocating mechanism. 2,409,450; Oct. 15.
- Silver, Albert L., and A. Stein, Dallas, Tex. Shirt construction. 2,408,180; Sept. 24.
- Silver, Benjamin J., New York, N. Y. Metatarsophalangeal ball cushion. 2,411,901; Dec. 3.
- Silver, Haskell, Hollywood, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Safety clip. 2,398,460; Apr. 9.
- Silver, Jacob S., Bridgeport, assignor to Chandler-Evans Corporation, South Meriden, Conn. Flow measuring apparatus. 2,402,350; June 18.
- Silver, Samuel R., Brooklyn, N. Y. Grinding teeth. 2,406,113; Aug. 20.
- Silver, Samuel R., Brooklyn, N. Y. Apparatus for grinding teeth. 2,411,234; Nov. 19.
- Silver, Walter, Behmar, N. J. Antenna coupling. 2,405,616; Aug. 13.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Disk tiller. 2,392,006; Jan. 1.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Power lift. 2,409,228; Oct. 15.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Power lift mechanism. 2,412,362; Dec. 10.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Hitch device. 2,412,754; Dec. 17.
- Silver Creek Precision Corporation, assignee: *See*—
Ielfeld, Fred C.
- Silverman, Daniel: *See*—
Stuart, Robert W., and Silverman.

- Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Time cycle telemetering. 2,400,170; May 14.
- Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well logging. 2,412,363; Dec. 10.
- Silverman, Daniel, and T. Gilmartin, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Well signaling system. 2,411,696; Nov. 26.
- Silverman, Eli E., Brooklyn, N. Y., M. Greene, Caldwell, and S. Greenspan, Newark, N. J. Molding outfit for children. 2,395,589; Feb. 26.
- Silvermaster, Arkady, Los Angeles, Calif. Sine bar. 2,398,121; Apr. 9.
- Silversparre, Gustav A., Narberth, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Buffer means for vehicle lateral motion mechanism. 2,392,616; Jan. 8.
- Silverstein, Morris L., Dorchester, Mass. Rubber heel. 2,406,569; Aug. 27.
- Silvester, Austin G., Muroc, Calif., assignor to General Electric Company. Speed governing mechanism. 2,411,065; Nov. 12.
- Sim, James, Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Steam actuated pilot controlled distribution valve for steam engines. 2,412,478; Dec. 10.
- Simison, Allen L., and E. Fletcher, Newark, assignors to Owens-Corning Fiberglass Corporation, Toledo, Ohio. Apparatus for producing fibrous glass. 2,407,295; Sept. 10.
- Simison, Allen L., and E. Fletcher, Newark, assignors to Owens-Corning Fiberglass Corporation, Toledo, Ohio. Producing fibrous glass. 2,407,456; Sept. 10.
- Simjian, Luther G., Riverside, Conn. Training apparatus. 2,392,781; Jan. 8.
- Simjian, Luther G., Riverside, Conn. Training apparatus. 2,401,975; Jan. 8.
- Simmie, Walter S., Headington, Oxford, England. Electromagnetic vibrator. 2,405,761; Aug. 13.
- Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, N. Y.; said Weisglass assignor to said Simmon. Device for minimizing curvature of film in cameras. 2,395,590; Feb. 26.
- Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors, by direct and mesne assignments, to Simmon Brothers, Inc., Long Island City, N. Y. Contrast control for photographic enlargers and printers. 2,399,577; Apr. 30.
- Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred, and Weisglass.
Weisglass, Louis L.
Simmonds Aerocessories, Inc., assignee: *See*—
Overbeke, John W.
Simmonds Aerocessories, Inc. of New York, assignee: *See*—
Overbeke, John W.
Simmonds Aerocessories Limited, assignee: *See*—
Goudime-Levkovitch, Paul.
Perkins, Alan J., and Roberts.
Robertson, Edward R.
Smith, Stanley J.
- Simmonds Development Corporation Limited, assignee: *See*—
Billing, Henry J., and Pazekas.
- Simmons, Arthur B., and J. H. McLeod, assignors to Eastman Kodak Company, Rochester, N. Y. Lens centering device. 2,394,721; Feb. 12.
- Simmons, Charles A., assignee: *See*—
Schlueter, Ernest.
- Simmons, Edward E., Jr., Pasadena, Calif. Strain gauge. 2,393,714; Jan. 29.
- Simmons, Edward N., assignor to Simmons Manufacturing Co., Chicago, Ill. Threading device. 2,398,052; Apr. 9.
- Simmons, Harry M.: *See*—
Ruen, Henry C., and Simmons.
- Simmons, John H. and H. E. Spencer, Butte, Mont., assignors to Anaconda Copper Mining Company. Drill-bit carrier. 2,398,896; Apr. 23.
- Simmons, John W., Cleveland Heights, Ohio. Fastener. 2,392,704; Jan. 8.
- Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,393,001; Jan. 15.
- Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Kerf cutting apparatus. 2,394,813; Feb. 12.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,404,540; July 23.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Mining apparatus. 2,409,807; Oct. 22.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Kerf cutting device. 2,411,170; Nov. 19.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Kerf cutting device. 2,411,171; Nov. 19.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Track sander. 2,413,387; Dec. 31.
- Simmons, Leon E., Claremont, N. H., and H. H. Vanderzee, Michigan City, Ind., assignors to Joy Manufacturing Company. Cutter chain. 2,413,585; Dec. 31.
- Simmons Manufacturing Co., assignee: *See*—
Simmons, Edward N.
- Simmons, Parker T., San Francisco, Calif. Visor. 2,400,958; Mar. 28.
- Simmons, Parker T., San Francisco, Calif. Can opener. 2,403,959; July 16.
- Simmons, R. A., Vernonia, Oreg. Dry kiln. 2,403,154; July 2.
- Simmons, R. F., Company, assignee: *See*—
Levesque, Arthur H.
- Simon, Richard W.: *See*—
Bruhn, William J., and Simon.
- Simonds, Almor O., Onawa, Iowa. Staple. 2,393,715; Jan. 29.
- Simonds, George D.: *See*—
Donley, Bartrum G., and Simonds.
- Simons, Abraham, New York, N. Y. Marking or embossing machine. 2,399,397; Apr. 30.
- Simons, August E., Detroit, Mich. Water scooter. 2,403,560; July 9.
- Simons, Charles J., Medford, and A. Randall, Lynn, Mass. Hair curler. 2,404,867; July 30.
- Simons, John K., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparation of thiazoles. 2,396,893; Mar. 19.
- Simons, John K., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparation of synthetic resins from thiazoles. 2,396,894; Mar. 19.
- Simons, John K., Toledo, Ohio, and W. I. Weaver, Pittsburgh, Pa., assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparing acyl guanidines. 2,408,194; Oct. 1.
- Simons, Joseph M., St. Louis Park, Minn. Cold wave hair curler. 2,403,244; July 2.
- Simonton, William L., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting mechanism. 2,308,181; Sept. 24.
- Simpkins, Albert I., assignee: *See*—
Carlson, Charles N.
- Simpkins, Glenn L.: *See*—
Brock, Harold L., and Simpkins.
- Simpkins, Isaac W., Charlotte, N. C. Safety mechanism for brakes. 2,409,908; Oct. 22.
- Simplex Paper Corporation, assignee: *See*—
Wood, Frederick P.
- Simplex Time Recorder Co., assignee: *See*—
Patterson, Donald J.
- Simplicity Manufacturing Company, assignee: *See*—
Donald, Forrest V.
- Simpson, Ethel V., administratrix: *See*—
Schneider, Henry J., and Simpson.
- Simpson, Herbert S., assignee: *See*—
Christensen, Alfred C.
- Simpson, James H.: *See*—
Miller, James B., and Simpson.
- Simpson, John, Jr., and J. Williams, North Tiverton, R. I., assignor to John Simpson, Jr., North Tiverton, R. I. Apparatus for trimming commutators. 2,409,158; Oct. 8.
- Simpson, John K., assignor to Automotive Products Company Limited, Leamington Spa, England. Liquid pressure remote control system. 2,408,003; Sept. 24.
- Simpson, Justin, Elmhurst, assignor to Cameron Can Machinery Co., Chicago, Ill. Can feeding mechanism. 2,395,511; Feb. 26.
- Simpson, Justin, Elmhurst, assignor to Cameron Can Machinery Company, Chicago, Ill. Stop motion mechanism for die presses. 2,402,687; June 25.
- Simpson, Leon G.: *See*—
Schneider, Henry J., and Simpson.
- Simpson, Roswell H.: *See*—
Nichols, Charles R., Jr., and Simpson.
- Simpson, Thomas, Kenilworth, assignor to H. M. Hobson (Aircraft & Motor) Components Limited, London, England. Servomotor. 2,401,197; May 28.
- Simpson, Thomas P., J. W. Payne, and L. P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for reactions in a contact mass. 2,409,596; Oct. 15.
- Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Continuous catalytic system. 2,410,309; Oct. 29.
- Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic conversion. 2,412,917; Dec. 17.
- Simpson, William E., South Ozone Park, N. Y., assignor to Radio Corporation of America. Tone frequency signal repeater. 2,404,754; July 23.
- Simpson, William F., assignor to B. F. Avery & Sons Company, Louisville, Ky. Securing pin. 2,401,976; June 11.
- Sims, John J.: *See*—
Wood, James C., Jr., and Sims.
- Sinclair, Albert L., Chicago, and L. Stastney, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Extrusion apparatus. 2,396,348; Mar. 12.

- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Vehicle wheel. 2,407,749; Sept. 17.
- Sinclair, Edward L., Manhasset, N. Y., and W. A. Hagerbaumer, Westfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Level indicating device. 2,398,334; Apr. 9.
- Sinclair, James McG., assignor of one-half to W. F. Young, Inverness, Scotland. Electric flash welding. 2,399,453; Apr. 30.
- Sinclair Refining Company, assignee: *See*—Finley, Wilder L., and Kirk, Hethel, Eugene C.
- Jordan, Charles E.
- Kimball, Thomas B.
- Kleinholz, Milton P.
- May, Robert L.
- Norris, Richard O.
- O'Neill, Joseph J.
- Shand, Edwin W.
- Teter, John W.
- Teter, John W., and Merwin.
- Sines, George W.: *See*—Benbow, James D., and Sines.
- Sines, Harold S., Chicago, Ill. Conductor grip for insulators. 2,396,895; Mar. 19.
- Sines, Harvey C., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Precision squeezer yoke. Re. 22,743; Apr. 9.
- Singer, Edwin, Brooklyn, N. Y. Adhesive tape dispenser. 2,401,841; June 11.
- Singer, Francis L., Jr., Peekskill, N. Y. Bookmark. 2,405,374; Aug. 6.
- Singer, Fred J.: *See*—Kinkad, Fullerton S., Melhuish, Singer, and Smith.
- Parker, Ralzemond D., Rea, and Singer.
- Singer, Fred J., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Data transmission system. 2,405,617; Aug. 13.
- Singer, Grover C., Brownsville, Tex. Electric lamp. 2,398,968; Apr. 23.
- Singer, Grover C., Brownsville, Tex. Electric lamp. 2,398,969; Apr. 23.
- Singer, Grover C., Brownsville, Tex. Electric lamp. 2,398,970; Apr. 23.
- Singer, Grover C., Brownsville, Tex. Electric lamp. 2,398,971; Apr. 23.
- Singer, Harriett C., Elmhurst, Long Island, N. Y., assignor to Zimba Kola Co., Incorporated. Bottle carrier. 2,397,376; Mar. 26.
- Singer, Henry, Honolulu, Territory of Hawaii. Attachment for toothbrush. 2,394,640; Feb. 12.
- Singer, Henry, Honolulu, Hawaii. Multiple slicing device. 2,396,443; Mar. 12.
- Singer, Henry, Honolulu, Hawaii. Device for peeling citrus fruit. 2,396,444; Mar. 12.
- Singer, Henry, Honolulu, Hawaii. Spraying apparatus. 2,411,343; Nov. 19.
- Singer, Henry, Honolulu, Hawaii. Opener for liquid containers. 2,411,344; Nov. 19.
- Singer Manufacturing Company, The, assignee: *See*—Becker, Rudolph.
- Clayton, Andrew B.
- Enos, John P.
- Fuge, Harry B.
- Hacklander, Hans.
- Happe, Reynold.
- Happe, Reynold, and Turner.
- Ingalls, Ross D.
- Karle, John D.
- Myers, Walter.
- Parry, Frank.
- Perkins, Kenneth, and Park.
- Wood, Alfred R.
- Zeler, Frederick F.
- Zonis, Sydney.
- Singleton, Joseph L., Waunawata, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Elastic fluid conditioning apparatus. 2,409,159; Oct. 8.
- Sink and Floot Corporation, The, assignee: *See*—Trostler, Fredrick, and Andrews.
- Zeigler, William L., and Garber.
- Sinks, Allen T., Beach Bluff, Mass., assignor to General Electric Company. Coil winding for electric apparatus and method of making same. 2,405,457; Aug. 6.
- Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Automatic stop for phonographs. 2,405,526; Aug. 6.
- Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Transducer system. 2,411,008; Nov. 12.
- Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Angle modulated wave reproducing system. 2,412,015; Dec. 3.
- Sinnett, Chester M., Westmont, and H. Belar, Palmyra, N. J., assignors to Radio Corporation of America. Record reproducing system. 2,408,690; Oct. 1.
- Sinton, William, and F. P. Sherman, U. S. Navy, and G. A. Chadwick, Washington, D. C. Smoke screen equipment. 2,399,285; Apr. 30.
- Sions, John M., Middle River, Md. Card terminal plug. 2,408,583; Oct. 1.
- Sipp, Paul L., Jr.: *See*—Gooding, Francis H., and Sipp.
- Siweland, Ivy E., St. Paul, Minn., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Matrix canal. 2,400,172; May 14.
- Sirman, Guarling F., North Miami, Fla. Pushcart. 2,406,169; Aug. 20.
- Sirmay, Julius, assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Transferring stitches. 2,397,456; Mar. 26.
- Sirola, Frank, New York, N. Y. Turret head for lathes. 2,404,055; July 2.
- Sirp, Emil, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,404,197; July 16.
- Sirp, Emil, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Work support. 2,409,160; Oct. 8.
- Sisson, James G., assignor to The L. S. Starrett Company, Athol, Mass. Cylindrical test gauge. 2,392,617; Jan. 8.
- Sisson, Kenneth O., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Collimator. 2,405,063; July 30.
- Sitzler, Richard R., and J. E. Bludworth, Cumberland, Md., assignors to Celanese Corporation of America. Manufacture of artificial products. 2,394,212; Feb. 5.
- Silver, Chester, U. S. Navy, assignor to Union Carbide and Carbon Corporation. Fluid supply apparatus and control systems therefor. 2,402,187; June 18.
- Siver, Chester A., Indianapolis, Ind., assignor to Union Carbide and Carbon Corporation. Gas supply apparatus and control system therefor. 2,402,523; June 18.
- Sivertsen, Jens: *See*—Fredericks, George E., and Sivertsen.
- Sivertsen, Jens, Philadelphia, Pa. Bourdon tube. 2,409,161; Oct. 8.
- Sivertsen, Jens, assignor to Tinius Olsen Testing Machine Corporation, Philadelphia, Pa. Pressure responsive controlling mechanism. 2,404,863; July 30.
- Slyver, Benjamin E., Whitefish Bay, assignor to Chain Belt Company, Milwaukee, Wis. Conveyor flight. 2,409,318; Oct. 15.
- Slyver, Benjamin E., Whitefish Bay, assignor to Chain Belt Company, Milwaukee, Wis. Chain link construction. 2,412,364; Dec. 10.
- Six, Walter J., Indianapolis, Ind. Piston expander. 2,397,056; Mar. 19.
- Sjogren, Knut R., Los Angeles, Calif. Lapping block. Re. 22,770; July 2.
- Sjolander, Newell, Rutherford, N. J., and W. Eisenman, assignors to Herden Chemical Corporation, New York, N. Y. Production of 3-hydroxy-2-butanone. 2,401,778; June 11.
- Skaer, James A., Wichita, Kans. Pocket tool kit. 2,413,082; Dec. 24.
- Skaneateles Boats, Inc., assignee: *See*—Barnes, John S.
- Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,395,299; Feb. 19.
- Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective calling signal service. 2,396,211; Mar. 5.
- Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic device and circuits. 2,402,188; June 18.
- Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge apparatus. 2,407,296; Sept. 10.
- Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,407,297; Sept. 10.
- Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,407,298; Sept. 10.
- Skellett, James J., Cleland Heights, Ohio. Flexible wall structure. 2,411,902; Dec. 3.
- Skelly, Lawrence E., and H. F. Brinen, assignors to Young Radiator Company, Racine, Wis. Fluid temperature controlling device. 2,395,943; Mar. 5.
- Skenandoo Rayon Corporation, assignee: *See*—Madden, Leo J.
- Skene, Donald L., Lockport, Ill. Calendar. 2,400,268; May 14.
- Skeshyan, Fred G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Belt. 2,403,617; July 9.
- Skilbeck, Gerald W., Kenosha, Wis. Humidifier. 2,395,512; Feb. 26.
- Skillin, Walter F.: *See*—Valentine, Frank E., and Skillin.
- Skilton, Harry A., Watertown, Conn. Tiltable rotary power-driven work-holding unit. 2,408,231; Sept. 24.
- Skinker, Murray F., Montclair, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Making selenium elements. 2,393,938; Jan. 29.
- Skinkins, John H., Chelmsford, Mass., and L. Weinstein, Yonkers, assignors to Phillips-Jones Corporation, New York, N. Y. Collar and the like. 2,393,828; Jan. 29.
- Skinkins, John H., Chelmsford, Mass., and L. Weinstein, Yonkers, assignors to Phillips-Jones Corporation, New York, N. Y. Collar and the like. 2,393,829; Jan. 29.

- Skinner, Bronson C. : *See*—
Mobley, James C.
- Skinner, Charles W., assignor to Fashion Frocks, Inc., Cincinnati, Ohio. Parachute release device. 2,393,072; Jan. 15.
- Skinner, Davis A. : *See*—
Doumani, Thomas F., and Skinner.
- Skinner Engine Company, assignee : *See*—
Ludeman, Oscar H.
- Skinner, George M., Kenmore, N. Y., assignor to National Carbon Company, Inc. Liquid cleaning compositions. 2,403,618; July 9.
- Skinner, George M., Kenmore, N. Y., assignor to National Carbon Company, Inc. Liquid cleaning composition. 2,403,619; July 9.
- Skinner, Morley, Kokomo, Ind. Multiple purpose card table accessory. 2,400,610; May 21.
- Skinner, Ralph L., assignee : *See*—
Eckel, Carl S.
- Skinner, Ralph L., assignor to Renniks Company, Detroit, Mich. Pressure sealing-means. 2,404,664; July 23.
- Skinner, Roberts K., West Hartford, Conn. Bolt anchor. 2,399,069; Apr. 23.
- Sklerov, Benjamin and H., and J. Solinsky, assignors to Sam Steinglass, New York, N. Y. Button spinning machine. 2,392,954; Jan. 15.
- Sklerov, Harry : *See*—
Sklerov, Benjamin and H., and Solinsky.
- Skog, Henry A. : *See*—
Ewald, Raymond L., and Skog.
- Skoglund, Bert J. : *See*—
Doering, Charles and H. H., Skoglund, and Anderson.
- Skold, John F., assignor to C. E. Zimmerman, Chicago, Ill. Lipstick spreader. 2,398,161; Apr. 9.
- Skolnik, Max, assignor to Fibro-Mold Specialties, Inc., Chicago, Ill. Laminated material and making same. 2,405,527; Aug. 6.
- Skolnik, Max, assignor to Fibro-Mold Specialties, Inc., Chicago, Ill. Forming shaped articles. 2,405,528; Aug. 6.
- Skog, Robert W., Borger, Tex., assignor to United Carbon Company, Inc. (Maryland) Apparatus for producing carbon black. 2,413,586; Dec. 31.
- Skowron, Edmund A., Pittsburgh, and W. H. Woodings, Okmont, assignors to Woodings-Verona Tool Works, Verona, Pa. Rail anchor. 2,413,470; Dec. 31.
- Skrobisch, Alfred : *See*—
Hamilton, Hugh G., Pratt, and Skrobisch.
- Skubrovec, Joseph, assignor to Una Welding, Inc., Cleveland, Ohio. Control system for welding heads. 2,393,662; Jan. 29.
- Skurnick, Sam, Brooklyn, N. Y., assignor to Government of the United States of America, as represented by the Secretary of War. Meteorological telemetering system. 2,402,658; June 25.
- Slack, Charles M., Glen Ridge, and C. E. Dawley, and A. Pfeiffer, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Constant voltage field emission arc discharge device. 2,408,004; Sept. 24.
- Slack, Charles M., Glen Ridge, and E. G. F. Arnott, Upper Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric arc device. 2,409,715; Oct. 22.
- Slack, Charles M., Glen Ridge, L. F. Ehrke, Newark, and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-voltage discharge device. 2,409,716; Oct. 22.
- Slack, Charles M., Glen Ridge, and A. Pfeiffer and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Field emission arc discharge tube. 2,409,717; Oct. 22.
- Slack, Frederic W., Detroit, and C. C. Utz, Magnolia, assignors to Chrysler Corporation, Highland Park, Mich. Vehicle wheel connecting joint. 2,405,458; Aug. 6.
- Slack, George H. : *See*—
Stark, Fred J., and Slack.
- Sladbeck, Ed., Granger, Tex. Road scraper. 2,393,345; Jan. 22.
- Sladky, Charles E., Parma Heights, assignor to The North American Manufacturing Company, Cleveland, Ohio. Buttery valve. 2,412,918; Dec. 17.
- Slamm, Lewis : *See*—
Brenner, John H., and Slama.
- Slasor, Nicholas R. : *See*—
McCulloch, John A., and Slasor.
- Slate, Thomas B., Washington, D. C. Flying boat. 2,400,173; May 14.
- Slater, Charles F., Pittsburgh, Pa. Rotary cleaner roll and container therefor. 2,401,842; June 11.
- Slater, Wilfred, Quinton, Birmingham, England. Inserted tool tool. 2,407,519; Sept. 10.
- Slatis, Abraham, Chicago, Ill. Shell pattern and casting therewith. 2,408,005; Sept. 24.
- Slaton, Martin M., Burbank, and M. M. Croen, Los Angeles, Calif. Cosmetic case. 2,396,932; Mar. 19.
- Slaughter, James E. : *See*—
Oliver, Edwin L., McGuire, Slaughter, and Vettel.
- Slaughter, Philip E. : *See*—
Eckenbeck, Dana C., Madden, and Slaughter.
- Slauson, William C., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical device. 2,395,300; Feb. 19.
- Slavic, Fred M., Los Angeles, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Antistiction drive. 2,403,094; July 2.
- Slavicek, George, Berwyn, Ill., assignor to International Harvester Company. Wagon elevator. 2,395,349; Feb. 19.
- Slaymaker, Frank H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Modulation system. 2,403,245; July 2.
- Slayter, Games, and E. Fletcher, Newark, assignors to Owens-Corning Fiberglass Corporation, Toledo, Ohio. Apparatus for forming fibrous strands. 2,393,808; Apr. 23.
- Slayton, Robert E., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrical starting and ignition system for internal-combustion engines. 2,398,259; Apr. 9.
- Slechts, Henry C. : *See*—
Johansson, Sven G., and Slechts.
- Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,412,919; Dec. 17.
- Sletzing, Meyer : *See*—
Van de Kamp, Jacob, and Sletzing.
- Slimp, William L., Los Angeles, Calif. Trailer coupler. 2,411,009; Nov. 12.
- Slingluff, Eugene L., Bath Township, Summit County, and D. R. Scheu, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Stripping flexible strip material. 2,412,429; Dec. 10.
- Sloan, Clifford K., Thornton, Pa., and G. D. Patterson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,410,187; Oct. 29.
- Sloan, David H., Berkeley, Calif., assignor to Research Corporation, New York, N. Y. Electron acceleration. 2,398,162; Apr. 9.
- Sloan, David H., Berkeley, Calif., assignor to Research Corporation, New York, N. Y. Generating high-frequency oscillations. 2,404,541; July 23.
- Sloan, David H., Berkeley, Calif., assignor to Research Corporation, New York, N. Y. Resonator for oscillators. 2,404,542; July 23.
- Sloan, David H., Berkeley, Calif., assignor to Research Corporation, New York, N. Y. Structure for supporting filaments in vacuum tubes. 2,405,762; Aug. 13.
- Sloan, David H., Berkeley, Calif., assignor to Research Corporation, New York, N. Y. Vacuum tube utilizing cavity resonators. 2,405,763; Aug. 13.
- Sloan, David H., Berkeley, Calif., assignor to Research Corporation, New York, N. Y. High-frequency triode oscillator. 2,411,299; Nov. 19.
- Sloan, Edward C., assignor to Jesse B. Hawley, Geneva, Ill. Making filter members. 2,395,301; Feb. 19.
- Sloan, Homer H., Dothan, Ala., assignor to The Hoover Company, Canton, Ohio. Suction cleaner. 2,395,430; Feb. 26.
- Sloan, Lon, Cleveland, Ohio. Flexible coupling. 2,397,700; Apr. 2.
- Sloan, Milton, Hartford, Conn. Nursing bottle. 2,394,722; Feb. 12.
- Sloan Valve Company, assignee : *See*—
Russell, Irving H., and Etnall.
- Sloan, William E., and Swartz.
- Sloan, William E., River Forest, and J. J. Swartz, Berwyn, assignors to Sloan Valve Company, Chicago, Ill. Automatic flushing system. 2,395,150; Feb. 19.
- Sloane, Robert W., and E. M. Bimberg, Detroit, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,406,114; Aug. 20.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain. 2,398,675; Apr. 16.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Shuttle car. 2,412,755; Dec. 17.
- Slobod, Arthur A., Richmond, Calif., assignor to General Electric Company. Antenna system. 2,411,472; Nov. 19.
- Slocum, Harold S., Waukegan, Ill. Warning device for typewriters. 2,402,936; June 25.
- Slocum, Henry M., New York, N. Y. Puzzle. 2,412,180; Dec. 3.
- Slover, Joseph J., assignor to The Goodman Manufacturing Company, Chicago, Ill. Cable reel. 2,395,302; Feb. 19.
- Slonczewski, Thaddeus : *See*—
Means, Winthrop J., and Slonczewski.
- Slonczewski, Thaddeus, Glenview, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission characteristic correction. 2,411,903; Dec. 3.
- Slopp, George W., Chicago, Ill. Door closing device. 2,394,878; Feb. 12.
- Slotterbeck, Ober C. : *See*—
Boettger, Charles R., Jr., Chambers, and Slotterbeck.
- Rosen, Raphael, and Slotterbeck.
- Slotterbeck, Ober C., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Acetylation of hydroxy nitriles. 2,396,292; Mar. 12.

- Slotterbeck, Ober C., Rahway, N. J., assignor to Standard Oil Development Company. Electrolytic production of pinacols. 2,408,101; Sept. 24.
- Slusher, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for slitting endless bands. 2,410,905; Nov. 12.
- Sly, W. W., Manufacturing Company, assignee: See—Bereit, Edwin W.
- Slyfield, Charles O., Los Angeles, Calif., assignor to Radio Corporation of America. Automatic rerecording method and system. 2,402,095; June 11.
- Small, Augustus B.: See—Nelson, Joseph W.
- Small, Everett T., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Tamping roller. 2,410,465; Nov. 5.
- Small, James K.: See—Morrell, Charles B., Small, and McAttee.
- Small, Wallace H., Waltham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Exhaust tubulation for electronic discharge tubes. 2,413,333; Dec. 31.
- Smalley, Stanley: See—Vrooman, Leon, and Smalley.
- Smalley, William, assignor to The Paterson Engineering Company Limited, London, England. Filtering apparatus. Re. 22,784; Aug. 27.
- Smallwood, Albert E., Taunton, Mass., assignor to Servel, Inc., New York, N. Y. Cooking range. 2,401,977; June 11.
- Smallwood, Hugh M., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Treatment of carbon black. 2,408,098; Oct. 1.
- Smardon, George W.: See—Cross, Robert C., and Smardon.
- Smart, Paul: See—Henssey, Roy O., and Smart.
- Herro, Alexander C., and Smart.
- Smellie, Robert D., Teaneck, N. J., assignor to The E. J. Willis Company, New York, N. Y. Bearing. 2,405,799; Aug. 13.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,400,215; May 14.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Motor. 2,401,356; June 4.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,406,915; Sept. 3.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,413,587; Dec. 31.
- Smith, F. L., & Co., assignee: See—Peterson, Louis S. Sahmel, Vilgo.
- Smith, Leonard, New York, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Acid-curing synthetic resin combined with olefin-sulfur dioxide polymer. 2,410,395; Oct. 29.
- Smiley, Gerald T., San Fernando, Calif. Cartridge cutting and trimming device. 2,395,200; Feb. 19.
- Smiley, Gerald T., San Fernando, Calif. Ammunition loading accessory. 2,400,846; May 21.
- Smiley, Gerald T., San Fernando, Calif. Cartridge case trimmer. 2,406,170; Aug. 20.
- Smisko, John, Washington, D. C., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Line pressure valve. 2,410,132; Oct. 29.
- Smitt, J. K., & Sons, Inc., assignee: See—Hoagberg, Sven V. Lindquist, O. V.
- Smith, A. O., Corporation, assignee: See—Carstens, Fritz A. Crawford, William E. Harlamoff, Anatol J. Hart, Edward. Heath, William C. Higgins, Voldo W. Koppel, Ernst R. Malke, Sven. Martin, Wesley G. Paul, Albert. Schmitz, Henry A., Jr. Sherman, Donald W. Thiele, Theodore H. Tiedemann, Julius B. Vestlin, Sven. Vestlin, Sven, and A. Yost, Lloyd.
- Smith, Albert F., Westwood Manor, Wilmington, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rocket strapping device. 2,401,291; May 28.
- Smith, Albert F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrolyzed vinyl ester interpolymer fibers. 2,403,464; July 9.
- Smith, Albert H., South Gate, Calif. Electrode holder. 2,393,830; Jan. 29.
- Smith, Albert K., assignee: See—Fruton, Carl F.
- Smith, Albert M., La Grange, R. W. Smith, Chicago, and A. H. Zeigler, Evanston, assignors to Armour and Company, Chicago, Ill. Machine for manufacturing hair pads. 2,398,163; Apr. 9.
- Smith, Alexander, & Sons Carpet Company, assignee: See—Linscott, Leroy N.
- Smith, Alfred A., Dunsmuir, Calif. Railway track heater. 2,413,388; Dec. 31.
- Smith, Algernon L., Birmingham, Ala., assignor to Continental Gin Company. Pneumatic material handling and drying apparatus. 2,401,438; June 4.
- Smith, Algernon L., Birmingham, Ala., assignor to Continental Gin Company. Cotton cleaner. 2,401,439; June 4.
- Smith, Alvin J., assignor to Pacific Enterprise Products Co., Los Angeles, Calif. Starting control circuit for engines. 2,400,216; May 14.
- Smith, Apollo M. O., Bell, assignor to Aerojet Engineering Corporation, Azusa, Calif. Reaction motor. 2,407,852; Sept. 17.
- Smith, Archibald D., Jr., Amityville, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio receiving apparatus. 2,404,408; July 23.
- Smith, Arthur C., Meriden, Conn. Electrical connector. 2,393,481; Jan. 22.
- Smith, Arthur D., assignor to Barium Steel Corporation, Canton, Ohio. Ice cube manufacturing apparatus. 2,403,406; July 2.
- Smith, Arthur D., assignor to Barium Steel Corporation, Canton, Ohio. Ice manufacture. 2,405,272; Aug. 6.
- Smith, Arthur D., assignor to Barium Steel Corporation, Canton, Ohio. Ice manufacturing apparatus. 2,405,273; Aug. 6.
- Smith, Arthur D., Park Ridge, assignor to Jenkins Petroleum Process Company, Chicago, Ill. Hydrocarbon cracking process with successive additions of adsorbent. 2,408,584; Oct. 1.
- Smith, Arthur E., Los Angeles, Calif. Syringe. 2,392,196; Jan. 1.
- Smith, Arthur Z., Wading River, N. Y., assignor to Radio Corporation of America. Periodic momentary switch. 2,440,007; July 16.
- Smith, Benjamin A., Rocky River, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Retort charging and discharging device. 2,402,457; June 18.
- Smith, Bert Z., Klamath Falls, Ore. Combination cigarette holder and ash tray. 2,400,847; May 21.
- Smith, Blanchard D., assignor to Scripto Manufacturing Company, Atlanta, Ga. Computing machine. 2,397,166; Mar. 26.
- Smith, Blanchard D., assignor to Scripto Manufacturing Company, Atlanta, Ga. Mechanical pencil. 2,406,171; Aug. 20.
- Smith, Bruce: See—Hall, Theodore P., and Smith.
- Smith, Burton H., assignor to Hawley Smith Machinery Company, Croton Falls, N. Y. Blank cartridge firing device for cannons, guns, etc. 2,396,396; Mar. 19.
- Smith, Carl H., Jr., Arlington, Va., and M. L. Kuder, Washington, D. C. Selector circuit. 2,409,229; Oct. 15.
- Smith, Carlos B., and H. L. Bullock, New York, N. Y. Scrubbing tower or column. 2,392,705; Jan. 8.
- Smith, Charles C., Cranford, and D. V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated. Carrier structure. 2,409,518; Oct. 15.
- Smith, Charles F. J., and L. R. Bottom, Broken Hill, New South Wales, Australia. Mechanical ramp loading device. 2,392,557; Jan. 8.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical gaseous discharge lamp. 2,404,002; July 16.
- Smith, Charles H., and E. G. Longman, Chelmsford, England, assignors to Norma Hoffmann Bearings Corporation, Stamford, Conn. Cage for ball bearings. 2,407,388; Sept. 10.
- Smith, Charles V., Worcester, Mass., assignor to The Univis Lens Company, Dayton, Ohio. Molding apparatus. 2,394,941; Feb. 12.
- Smith, Charles W., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timer. 2,411,393; Nov. 19.
- Smith, Clarence C.: See—Sauer, George, Schweda, and Smith.
- Smith, Clifford E., assignee: See—Brock, Frank H., and Smith.
- Smith, Clyde E., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Control of flash welding. 2,412,067; Dec. 3.
- Smith, Clyde J., assignee, et al.: See—Wemp, Ernest E.
- Smith, Dallas M., Kirkwood, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston packing. 2,402,783; June 25.
- Smith, David M., Stretford, Manchester, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Internal-combustion turbine plant. 2,397,815; Apr. 2.
- Smith, Delmas A.: See—Dutton, Keith J. F., Jr., and Smith.
- Smith, Delos G., assignee, et al.: See—Wilson, James E.
- Smith, Donald L., Dunellen, N. J., assignor to Air Reduction Company, Incorporated. Billet nicking machine. 2,413,117; Dec. 24.

- Smith, Donald L. J., Long Beach, and C. Judels, Hollywood, Calif. Venetian blind. 2,393,819; Jan. 29.
- Smith, Donald W., Bergenfield, assignor to Bendix Aviation Corporation, Bendix, N. J. Caging mechanism for gyros. 2,393,124; Jan. 15.
- Smith, Earl W., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Compositions containing active chlorine. 2,393,716; Jan. 29.
- Smith, Edgar C., Chicago, Ill. Sectional thermos food container. 2,405,764; Aug. 13.
- Smith, Edward M., Jr., New York, N. Y. Kinkadee, Fullerton S., Melhuish, Singer, and Smith. Smith, Edward M., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Permutation code data transmission system. 2,405,618; Aug. 13.
- Smith, Edward N., Scottsbluff, Nebr. Flashing structure for roofs. 2,413,588; Dec. 31.
- Smith, Edward W., Melrose, Mass. Communication in pipe line. 2,407,299; Sept. 10.
- Smith, Edward W., Melrose, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Communication in pipe lines. 2,406,859; Sept. 3.
- Smith, Edwin G., Mount Lebanon, Pa., assignor, by mesne assignments, to Union Industries, Incorporated, Grantsville, Md. Method and apparatus for supplying pulverized coal and air to furnaces. 2,409,002; Oct. 8.
- Smith, Elgene A.: See—
Weiser, Harry B., Smith, and Mackay.
- Smith, Elizabeth E. S., and E. E.
- Smith, Herbert N. and E. E.
- Smith, Elmer: See—
Davies, Aaron, and Smith.
- Smith Engineering Works, assignee: See—
Rumpel, Harvey H.
- Smith, Eric, assignor to Riley Stoker Corporation, Worcester, Mass. Underfeed stoker. 2,392,340; Jan. 8.
- Smith, Ernest, assignor to Appleford Paper Products, Ltd., Hamilton, Ontario, Canada. Dispensing container for roll paper. 2,405,459; Aug. 6.
- Smith, Floyd, assignor to Pioneer Parachute Company, Inc., Manchester, Conn. Stabilized parachute construction. 2,392,270; Jan. 1.
- Smith, Floyd, assignor to Pioneer Parachute Company, Inc., Manchester, Conn. Quick release harness. 2,402,264; June 18.
- Smith, Floyd, assignor to Pioneer Parachute Company, Inc., Manchester, Conn. Quick opening parachute. 2,403,832; July 9.
- Smith, Frank, Huddersfield, England. Liquid delivery apparatus. 2,405,375; Aug. 6.
- Smith, Frank E.: See—
Washing, Ralph H., and Smith.
- Smith, Frank M., Dearborn, assignor, by mesne assignments, to W. B. Stout and W. S. Fisher, Pontiac, Mich., co-partners doing business as Stout Engineering Laboratories. Building with folding walls. 2,395,691; Feb. 26.
- Smith, Franklin S., Bethany, Conn. Method and apparatus for the treatment of flour and the like. 2,391,929; Jan. 1.
- Smith, Fred A., Newport Beach, Calif., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Definable length adhesive tape dispenser. 2,407,300; Sept. 10.
- Smith, Fred J., and J. Isaac, Sault Ste. Marie, Mich. Internal-combustion turbine. 2,409,909; Oct. 22.
- Smith, Frederick G., assignor to Research Consultants Limited, Toronto, Ontario, Canada. Temperature sensitive resistor. 2,407,750; Sept. 17.
- Smith, G. Tucker, assignee, et al., trustee: See—
Ingers, Jeannot G.
- Smith, Gail P., assignor to Corning Glass Works, Corning, N. Y. Electrical condenser. 2,405,529; Aug. 6.
- Smith, George A., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,413,005; Dec. 24.
- Smith, George H., Houlton, Maine. Portable electric hoist for truck mounting. 2,395,201; Feb. 19.
- Smith, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Apparatus and method for filling gas storage cylinders. 2,411,235; Nov. 19.
- Smith, Gilbert, Fayetteville, W. Va. Self-dumping pan. 2,410,754; Nov. 9.
- Smith, Glen A., assignor to General Motors Corporation, Detroit, Mich. Door seal. 2,405,460; Aug. 6.
- Smith, Grover C., Chicago, Ill. Fountain pen. 2,401,711; June 4.
- Smith, H. P., Paper Company, assignee: See—
Burgess, Lorrain M., and Abson.
- Massey, Peter J., and Burgess.
- Smith, Hannah M., assignee: See—
Keen, Thomas A.
- Smith, Harold E.: See—
Jacobson, Irving, and Smith.
- Smith, Harold L., assignor to The Louis Allis Company, Milwaukee, Wis. Totally enclosed dynamoelectric machine. 2,413,525; Dec. 31.
- Smith, Harry P., Iowa City, Iowa, assignor to Parke, Davis & Company, Detroit, Mich. Blood coagulating product and obtaining same. 2,398,077; Apr. 9.
- Smith, Harry P., Iowa City, Iowa, assignor to Parke, Davis & Company, Detroit, Mich. Thromboplastin product and preparation of same. 2,408,535; Oct. 1.
- Smith, Harry P., Iowa City, Iowa, assignor to Parke, Davis & Company, Detroit, Mich. Prothrombin product and preparation of same. 2,408,536; Oct. 1.
- Smith, Harry P., and W. H. Seegers, Iowa City, Iowa, assignors to Parke, Davis & Company, Detroit, Mich. Obtaining products derived from blood. 2,394,566; Feb. 12.
- Smith, Hawley, Machinery Company, assignee: See—
Smith, Burton H.
- Smith, Henry J., Detroit, Mich. Silencer for drains. 2,405,241; Aug. 6.
- Smith, Herbert N. and E. E., Davenport, England. Production of knitters. 2,403,766; July 9.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil compositions and methods of suppressing foaming in oils. 2,397,377; Mar. 26.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil compositions and methods of suppressing foaming in oils. 2,397,378; Mar. 26.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition resistant to foaming. 2,397,379; Mar. 26.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition resistant to foaming. 2,397,380; Mar. 26.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil compositions and methods of suppressing foaming in oils. 2,397,381; Mar. 26.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Agent for mineral oils and mineral oil composition containing the same. 2,397,702; Apr. 2.
- Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Turbine oils. 2,400,611; May 21.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Fatty amine salts of acid phosphate diesters. 2,403,762; July 9.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Di-cyclohexyl amine salt of acid phosphate diesters. 2,403,763; July 9.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition. 2,403,764; July 9.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition. 2,403,765; July 9.
- Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Oil compositions. 2,408,102; Sept. 24.
- Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition. 2,408,103; Sept. 24.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Chemical compounds and processes. 2,408,252; Sept. 24.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition resistant to foaming. 2,411,671; Nov. 19.
- Smith, Hinsdale, Jr., Suffield, Conn. Film processing apparatus. 2,402,458; June 18.
- Smith, Horace L., Jr., W. E. Conley, Jr., and W. L. Atwood, Richmond, Va., assignors, by mesne assignments, to Chu Zelt Company, Milwaukee, Wis. Treating tomato juice. 2,392,197; Jan. 1.
- Smith, Howard, Paper Mills Limited, assignee: See—
Spencer, Harry S.
- Tomlinson, G. H. and G. H., Jr.
- West, Douglas L.
- Smith, James E., assignor of one-half to C. W. Healy, Detroit, Mich. Fluorescent light tube changer. 2,392,865; Jan. 15.
- Smith, J. Ernest, Jackson Heights, N. Y., assignor to Radio Corporation of America. Secret telephony. 2,401,889; June 11.
- Smith, J. Ernest, Brooklyn, N. Y., assignor to Radio Corporation of America. Radio repeater. 2,405,765; Aug. 13.
- Smith, J. Ernest, Jackson Heights, and E. R. Shenk, Brooklyn, N. Y., assignors to Radio Corporation of America. Electronic switch. 2,396,395; Mar. 12.
- Smith, James E., assignee: See—
Shenk, Eugene R., and Smith.
- Smith, James E., Jackson Heights, N. Y., assignor to Radio Corporation of America. Cryptographic communications system. 2,401,888; June 11.
- Smith, James M., Jr.: See—
Parker, Robert P., and Smith.

- Smith, Jasper A., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,410,310; Oct. 29.
- Smith, Jasper A., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Spacing and positioning device for refrigerating apparatus. 2,412,758; Dec. 17.
- Smith, Jesse C., Merrick, N. Y., assignor to MacGregor Instrument Company, Needham, Mass. Fabricated glass article and method. 2,392,104; Jan. 1.
- Smith, Jesse W., Coheskill, N. Y. Laying, forming and interconnecting concrete blocks. 2,408,535; Oct. 1.
- Smith, John F. D.: *See*—
Hart, Fred V., Smith, and Linderoth.
- Smith, John F.: *See*—
Dawson, Fred, and Smith.
- Smith, John G., Brunswick, Ga. Racking apparatus. 2,410,247; Oct. 29.
- Smith, John H., assignee: *See*—
Bardwell, Ralph F., and Smith.
- Smith, John K.: *See*—
Baumgartner, Robert M., and Smith.
- Smith, John P.: *See*—
Holmes, Ralph S., and Smith.
- Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Multiplex control system. 2,403,551; July 9.
- Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Recorder for radar systems. 2,403,552; July 9.
- Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Measuring system. 2,410,755; Nov. 5.
- Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Keying circuit. 2,411,598; Nov. 26.
- Smith, John P., Erlton, N. J., assignor to Radio Corporation of America. Radio pulse indicator. 2,406,970; Sept. 3.
- Smith, John R., Cleveland, Ohio. Tool holding means for automatic screw machines. 2,412,757; Dec. 17.
- Smith, John S., Ramsey, assignor to Botany Worsted Mills, Passaic, N. J. Yarn cutting thimble. 2,392,885; Jan. 15.
- Smith, John S., Ramsey, N. J., assignor to Botany Worsted Mills, Passaic, N. J. Textile comb-needle assembly. 2,404,755; July 23.
- Smith, Joseph B., Elida, assignor to The Standard Oil Company, Cleveland, Ohio. Pump control. 2,403,688; July 9.
- Smith, Joseph E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of stable dispersions of alkyl acrylate polymers. 2,407,107; Sept. 3.
- Smith, Joseph E., and P. J. Mitchell, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Water repellent composition and preparing the same. 2,402,351; Jan. 18.
- Smith, Joseph E., and W. A. Drummond, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersions of vinyl-acetate polymers. 2,413,197; Dec. 24.
- Smith, Joseph F., Bloomington, Ill. Fence post. 2,401,978; June 11.
- Smith, Joseph L., Chicago, Ill. Clock. 2,411,597; Nov. 26.
- Smith, Julius L., Jacksonville, Fla. Centrifugal pump primer. 2,412,839; Dec. 17.
- Smith, Justice E., Detroit, Mich. Locking device. 2,397,932; Mar. 26.
- Smith, Kave A., Overland, assignor to Lincoln Engineering Company, St. Louis, Mo. Piston. 2,403,346; Sept. 24.
- Smith, Kenna L., Pascagoula, Miss. Insect exterminator. 2,412,181; Dec. 3.
- Smith, Kline & French Laboratories, assignee: *See*—
Burger, Alfred
Nabenhauer, Fred P.
- Smith, L. B., Incorporated, assignee: *See*—
Smith, Luther B.
- Smith, L. C., and Corona Typewriters, Inc., assignee: *See*—
Bradt, Charles H.
- Smith, Laurence M.: *See*—
Brookman, Ernest F., and Smith.
- Smith, Lawrence W., assignor to Timber Engineering Company, Washington, D. C. Device for indicating the slope of grain of structural lumber. 2,398,972; Apr. 23.
- Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Cutting tool. 2,401,979; June 11.
- Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Fly cutter. 2,406,442; Aug. 27.
- Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Hole cutting tool. 2,411,697; Nov. 26.
- Smith, Leah K., assignee, et al.: *See*—
Wemp, Ernest E.
- Smith, Leatham D., Shipbuilding Co., assignee: *See*—
Maples, John A.
- Smith, Lee I., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Producing tocopherol-like compounds. 2,397,212; Mar. 26.
- Smith, Lee I., Minneapolis, Minn., and W. B. Renfrow, Jr., Charlotte, N. C., assignors to Regents of the University of Minnesota, Minneapolis, Minn. Preparing chemical products. 2,407,728; Sept. 17.
- Smith, Lee I., Minneapolis, Minn., and H. E. Ungrade, Columbia, Mo., assignors to Regents of the University of Minnesota, Minneapolis, Minn. Chemical processes. 2,411,942; Dec. 3.
- Smith, Lester C., West Hartford, assignor to The Spencer Turbine Company, Hartford, Conn. Damper indicator. 2,393,482; Jan. 22.
- Smith, Lester C., Westmont, N. J., assignor to Radio Corporation of America. Deflection circuits. 2,412,542; Dec. 10.
- Smith, Lewis E.: *See*—
Kaupke, Lee H., and Smith.
- Smith, Lewis E., Congress Park, Ill., assignor to International Harvester Company. Planter. 2,395,350; Feb. 10.
- Smith, Lloyd E.: *See*—
Bowen, Charles V., and Smith.
- Smith, Lloyd P., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,413,251; Dec. 24.
- Smith, Luther B., Birmingham, Ala. Ball impelling device. 2,399,711; May 7.
- Smith, Luther B., assignor to L. B. Smith Incorporated, Camp Hill, Pa. Roller. 2,407,965; Sept. 17.
- Smith, Marion F., and H. W. Grider, Wyoming, Ohio, assignors to The Philip Gary Manufacturing Company. Asbestos sheet material. 2,407,581; Sept. 10.
- Smith, Marvin A.: *See*—
Webb, Glenn M., and Smith.
- Smith, Marvin M., and C. O. Fields, Muncie, and E. N. Remler, West La Fayette, assignors to Muncie Gear Works, Inc., Muncie, Ind. Heat pump. 2,401,890; June 11.
- Smith, Melvin L., Kane, Pa. Manufacture of piezoelectric elements. 2,392,271; Jan. 1.
- Smith, Michael F., Loschard, Los Angeles, Calif. Garment hanger attachment. 2,408,697; Oct. 1.
- Smith, Michael J., Morristown, N. J. Lock valve. 2,399,578; Apr. 30.
- Smith, Minton L., Savannah, Ga. Kidney catheter. 2,393,002; Jan. 15.
- Smith, Minton L., Savannah, Ga. Kidney catheter. 2,393,003; Jan. 15.
- Smith, Morris W.: *See*—
McGill, Chester T., Wessel, and Smith.
- Smith, Neil C., Minneapolis, Minn. Protractor. 2,399,579; Apr. 30.
- Smith, Neil C., Minneapolis, Minn. Protractor. 2,412,100; Dec. 3.
- Smith, Niel C., assignee: *See*—
Gieske, Joseph H.
- Smith, Norman H., Faytucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine and knitting. 2,408,698; Oct. 1.
- Smith, Oliver R., Fort Worth, Tex. Apparatus for cleaning pipe and the like. 2,412,758; Dec. 17.
- Smith, Omar H., West Englewood, N. J., assignor to United States Rubber Company, New York, N. Y. Bonding surfaces. 2,392,618; Jan. 8.
- Smith, Omar H., West Englewood, N. J., assignor to United States Rubber Company, New York, N. Y. Adhesive compositions. 2,397,627; Apr. 2.
- Smith, Oris J., Cleveland, Ohio, assignor to Air Reduction Company, Incorporated, New York, N. Y. Quick-action gas valve. 2,412,479; Dec. 10.
- Smith, Paul E., Jr.: *See*—
Foulger, John H., and Smith.
- Smith, Paul L.: *See*—
William, Lewis E., Jr., and Smith.
- Smith, Perry C., Moorestown, N. J., assignor to Radio Corporation of America. Art of ascertaining the atomic structure of materials. 2,408,487; Oct. 1.
- Smith, Peter P., Teaneck, N. J. System for the protection of vessels against attack of torpedoes. 2,395,944; Mar. 5.
- Smith, Philip C.: *See*—
Kilgore, Lee A., and Smith.
- Smith, Ralph W., Detroit, assignor to Flint Machinery Company, Flint, Mich. Capsule filling device. 2,412,637; Dec. 17.
- Smith, Raymond: *See*—
Wyche, Ernest H.
- Smith, Richard E., Cleveland Heights, Ohio, assignor to General Electric Company. Diffusing projector lamp. 2,394,495; Feb. 5.
- Smith, Richard E., Wichita, Kans. Transparent lid and integral lens. 2,413,252; Dec. 24.
- Smith, Richard G., Amsterdam, N. Y. Turn-tilt unloading toy railway car. Re. 22,817; Dec. 10.
- Smith, Robert A., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Production of staple fiber. 2,407,109; Sept. 3.
- Smith, Robert B.: *See*—
La Hatto, James A., and Smith.
- Smith, Robert F., assignor to General Motors Corporation, Detroit, Mich. Door lock. 2,411,941; Dec. 3.
- Smith, Robert W.: *See*—
Smith, Albert M., and R. W., and Ziegler.
- Smith, Robley H., The Dalles, Oreg. Sandpaper holder. 2,404,105; July 16.
- Smith, Roland L., Belmont, Mass. Exposure timing mechanism. 2,407,800; Sept. 17.

- Smith, Ronald B., East Orange, N. J. Submarine and ship detector using reflected radio waves. 2,402,459; June 18.
- Smith, Roscoe B., Wilmington, Del., and M. W. Latimer, Joplin, Mo., assignors to Hercules Powder Company, Wilmington, Del. Producing threaded spiral tubes. 2,405,969; Aug. 13.
- Smith, Roy D., Mertzon, Tex., assignor to Bee-Line Company, Scott County, Iowa. Gauging vehicle frames. 2,401,980; June 11.
- Smith, Roy M., Bethlehem, Pa., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric discharge apparatus. 2,403,130; July 2.
- Smith, Russell J., Richmond Heights, Mo. Tire for airplane wheels. 2,403,309; July 2.
- Smith, S., & Sons, assignees. *See—*
Meredith, Frederick W.
- Smith, S., & Sons Limited (England), assignee: *See—*
Klepp, Edwin C.
- Smith, Samuel A., Hyattsville, Md. Ice creeper. 2,401,891; June 11.
- Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric circuit breaker. Re. 2,744; Apr. 9.
- Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Excess voltage protective device. 2,401,586; June 4.
- Smith, Silas P., Jr.: *See—*
Murray, Irvin L., Marsh, and Smith.
- Smith, Stanley, and W. H. Cockerill, assignors to E. M. B. Company Limited, West Bromwich, England. Pressure intensifying mechanism. 2,396,539; Mar. 12.
- Smith, Stanley J., assignor to Simmonds Aerocessories Limited, London, W. C. 2, England. Moving-coil electrical instrument. 2,409,963; Oct. 22.
- Smith, Stanley J., assignor to Simmonds Aerocessories Limited, London, England. Additive multirange electronic measuring instrument. 2,413,359; Dec. 31.
- Smith, Sydney H.: *See—*
Shakesby, Leonard, and Smith.
- Shakesby, Leonard, Sutherland, and Smith.
- Smith, Sydney H., Manchester, England, assignor to Imperial Chemical Industries Limited. Screw-threaded closure device. 2,408,233; Sept. 24.
- Smith, T. L., Company, The, assignee: *See—*
Dracger, Lloyd H.
- Flynn, Benjamin H.
- Smith, Temple C., and H. D. Brown, Westfield, N. J., assignors to American Telephone and Telegraph Company. Power-driven wire reel mechanism. 2,401,518; June 4.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Gate valve construction. 2,401,377; June 4.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Hydraulic transfer tube for strut mechanism. 2,401,378; June 4.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Spring loaded seal for shafts and bearings. 2,401,379; June 4.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Valve seat seal for faucets. 2,403,028; July 2.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. High-pressure valve construction. 2,403,029; July 2.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Container. 2,404,409; July 23.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Bottle cap. 2,404,410; July 23.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Hydraulic valve construction. 2,408,006; Sept. 24.
- Smith, Verne R., Amorita, Okla. Elevator. 2,395,075; Feb. 19.
- Smith, Walter H., Eureka, Ill. Chain link tool. 2,397,513; Apr. 2.
- Smith, Walter H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating apparatus. 2,397,213; Mar. 26.
- Smith, Ward C., assignor to Stout Houses, Incorporated, Detroit, Mich. Floor structure. 2,401,587; June 4.
- Smith, Ward C., assignor to Stout Houses, Incorporated, Detroit, Mich. Building structure. 2,401,588; June 4.
- Smith, Ward C., assignor to Stout Houses, Incorporated, Detroit, Mich. Portable building structure. 2,401,589; June 4.
- Smith, Ward C., assignor to Stout Houses, Incorporated, Detroit, Mich. Portable building structure. 2,401,590; June 4.
- Smith, Warren M.: *See—*
Wasson, Jones I.
- Smith, Watt V.: *See—*
Kanter, Jerome J., and Smith.
- Smith, William A., Bronxville, assignor to F. N. Burt Company, Inc., Buffalo, N. Y. Laminated container closure. 2,403,131; July 2.
- Smith, William A. and W. W. Bronxville, assignors to F. N. Burt Company, Inc., Buffalo, N. Y. Dispensing means for containers. 2,394,942; Feb. 12.
- Smith, William E., Siler City, N. C. Self-feeder for hay balers. 2,394,336; Feb. 5.
- Smith, William F., and R. E. Stauffer, assignors to Eastman Kodak Company, Rochester, N. Y. Improving the sensitivity characteristics of emulsions. 2,410,690; Nov. 5.
- Smith, William H., East Molesey, England. Ammunition. 2,399,398; Apr. 30.
- Smith, William H., Des Moines, Iowa. Radiator control device. 2,401,025; May 28.
- Smith, William H., Evanston, Ill. Bearing servicing equipment. 2,408,958; Oct. 8.
- Smith, William L., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Awning. 2,396,026; Mar. 5.
- Smith, William O.: *See—*
Nelson, Reuban A., and Smith.
- Smith, William R., Fort Arthur, Tex., and A. R. Goldsby, Beacon, assignors to The Texas Company, New York, N. Y. Preparing branch chain hydrocarbons. 2,398,563; Apr. 16.
- Smith, William W.: *See—*
Riggs, Harold C., and Smith.
- Smith, William A., and Smith.
- Smith, William W., Philadelphia, Pa., assignor to The Electric Storage Battery Company. Storage battery. 2,399,964; Oct. 22.
- Smith, Wilson T., Los Angeles, Calif. Well pump. 2,404,930; July 30.
- Smith, Winthrop C., Elizabeth, N. J., assignor to Standard Oil Development Company. Composition of matter. 2,396,205; Mar. 12.
- Smith, Wolcott M., Springfield, Mass. Power supply regulating apparatus. 2,407,853; Sept. 17.
- Smithback, Howard J., Madison, Wis., assignor to Ray-O-Vac Company. Top closure for leakproof dry cells. 2,402,784; June 25.
- Smithells, Colin J.: *See—*
Hopps, Bernard, and Smithells.
- Smithells, Colin J., Rugby, England, assignor, by mesne assignments, to Baker and Co., Inc., Newark, N. J. Platinum or allied metals, or their alloys, and articles made therefrom. 2,406,179; Aug. 20.
- Smithfield and Argentine Meat Company Limited, The, assignee: *See—*
Brewster, James A., and Fernandez.
- Smoker, Edward H., Drexel Hill, Pa., assignor to The United Gas Improvement Company. Decolorizing light oil fractions by selective hydrogenation. 2,399,514; Apr. 30.
- Smoker, Isaac Z., Intercourse, Pa. Bale loader. 2,397,570; Apr. 2.
- Smolak, George, Somerville, N. J., assignor to John-Manville Corporation, New York, N. Y. Manufacture of dielectric shapes. 2,407,520; Sept. 10.
- Smucker, Clayton A.: *See—*
White, Erven, and Smucker.
- Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Wiper blade connector. 2,399,399; Apr. 30.
- Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper. 2,405,910; Aug. 13.
- Smyers, John L., assignor to Ajax Industrial Supplies, Inc., Fort Wayne, Ind. Machine for piercing wire drawing die units. 2,412,101; Dec. 3.
- Smyth, Charles N., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Frequency control in ultra high frequency circuit. 2,397,701; Apr. 2.
- Snaveley, Earl R., Roselle, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Air-conditioning control. 2,407,036; Sept. 3.
- Snedaker, Albert L., Haddon Heights, N. J. Slide rule. 2,405,720; Aug. 13.
- Sneeden, Henry D.: *See—*
Gibbs, Harold L., and Sneeden.
- Snell, Foster D., Inc., assignee: *See—*
Snell, Foster D., and Haeseler.
- Snell, Foster D., New York, and K. W. Haeseler, Forest Hills, N. Y., assignors to Foster D. Snell, Inc. Composition for cleaning dentures. 2,409,718; Oct. 22.
- Snell, Francis A., assignor to Botnick Motor Corporation, Binghamton, N. Y. Wrench. 2,399,454; Apr. 30.
- Snell, Howard M.: *See—*
Snell, Howard M., Warren, and Snell.
- Snell, William E., Vineland, and H. E. Frantz, Jr., and F. A. Hignutt, Millville, N. J.; said Frantz, Jr., and said Hignutt assignors to said Snell. Token. 2,410,845; Nov. 12.
- Snelling, Walter L., Park Ridge, Ill. Moistening device. 2,399,400; Apr. 30.
- Snepvangers, René, Haddon Heights, N. J., assignor to Radio Corporation of America. Signal translating apparatus. 2,397,888; Apr. 2.
- Snetcher, Paul R.: *See—*
Metzger, Claude W., and Snetcher.
- Snider, Alva V.: *See—*
Morris, Rupert C., Shokal, and Snider.
- Snider, Edgar J., Hudson, Iowa. Attachment for vehicle clutch pedals. 2,399,150; Apr. 23.
- Snodgrass, James H., Fresno, assignor to H. A. Brockamp, Los Angeles, Calif. Music reproduction system. 2,396,756; Mar. 19.
- Snodgrass, Jerry R.: *See—*
Hull, D. C., and Snodgrass.

- Snook, Harry N.: *See*—
Hansen, Lloyd D., Harris, Hegeman, and Snook.
Snook, Russell V., Chicago, Ill. Trouser hanger. 2,394,879; Feb. 12.
- Snorek, Stanley J., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Breaching tool. 2,394,728; Feb. 12.
- Snorek, Stanley J., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming meter magnet assemblies. 2,394,724; Feb. 12.
- Snow, Donald L., Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Electron discharge apparatus. 2,408,817; Oct. 8.
- Snow, Howard, Charlotte, N. C., assignor to Southern Friction Materials Company. Molding press. 2,412,299; Dec. 10.
- Snow, Howard, and S. D. Pickard, Charlotte, N. C., assignors to Southern Friction Materials Company. Surface finishing impregnated fabrics. 2,402,689; June 25.
- Snow-Nabstedt Gear Corporation, The, assignee: *See*—Nabstedt, Arthur T.
- Snow, Robert D.: *See*—
Frey, Frederick E., and Snow.
Snow, William H., Chicago, Ill. Steering wheel attachment. 2,399,580; Apr. 30.
- Snow, William H., Manhattan Beach, and J. D. Bregman, West Los Angeles, assignors to North American Aviation, Inc., Inglewood, Calif. Apparatus for forming flanges. 2,395,692; Feb. 26.
- Snowden Chemical Company, assignee: *See*—
Snowden, Ward E., and Raynor.
Snowden, Ward E.: *See*—
Toti, Andrew J., and Snowden.
Snowden, Ward E., and H. F. Raynor, assignors to Snowden Chemical Company, Modesto, Calif. Injection nozzle. 2,413,083; Dec. 24.
- Snowman, William D., Pittsfield, Maine. Tool hand remover. 2,402,923; June 25.
- Snuggs, John F., assignor to Standard Oil Company, Chicago, Ill. Handling fluent solids. 2,394,514; Feb. 12.
- Snyder, Albert W.: *See*—
Ciper, Anthony L., and Snyder.
Snyder, Charles A., Louisville, Ky. Portable radial drill apparatus. 2,392,070; Jan. 1.
- Snyder, Christopher L., assignee, et al.: *See*—
Snyder, Richard L.
Snyder, Christopher L., Metuchen, N. J., assignor to Steatite Research Corporation. Case hardening hollow metal members. 2,394,809; Apr. 23.
- Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. Re. 2,821; Dec. 17.
- Snyder, Frederick D., Milton, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,397,214; Mar. 26.
- Snyder, Harold H., Mount Lebanon, assignor to Forter Teichmann Company, Pittsburgh, Pa. Shaping of glass tubes. 2,394,115; Feb. 5.
- Snyder, Harold H., Mount Lebanon, assignor to Forter Teichmann Company, Pittsburgh, Pa. Apparatus for drawing elongate glass shapes. 2,402,924; June 25.
- Snyder, Harold H., Mount Lebanon, and E. H. Bennett, assignors to Forter-Teichmann Company, Pittsburgh, Pa. Production of reflectors. 2,394,116; Feb. 5.
- Snyder, Harold H., Mount Lebanon, and E. H. Bennett, Pittsburgh, assignors to Forter-Teichmann Company, Pittsburgh, Pa. Glass press. 2,398,676; Apr. 16.
- Snyder, Harold R., Urbana, Ill., assignor to Merck & Co., Inc., Rahway, N. J. Synthesis of amino acids. 2,397,628; Apr. 2.
- Snyder, Henrietta B., assignee, et al.: *See*—
Snyder, Richard L.
Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Seal assembly. 2,392,198; Jan. 1.
- Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Multiple quick disconnect coupling. 2,399,515; Apr. 30.
- Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Quick disconnect coupling. 2,399,516; Apr. 30.
- Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Shock absorbing device. 2,404,666; July 23.
- Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Seal surface. 2,404,816; July 30.
- Snyder, Jacob R., Cleveland, and J. F. Norton, Cleveland Heights, assignors to Thompson Products, Inc., Cleveland, Ohio. Aiding and detent means for quick disconnect couplings. 2,403,620; July 9.
- Snyder, Leland H., Lincolnwood, Ill., assignor, by mesne assignments, to Continental-United Industries Co., Inc., New York, N. Y. Eccentric-solenoid actuated sleeve. 2,412,840; Dec. 17.
- Snyder, Leonard L., Montebello, Calif. Automatic anti-backflow valve. 2,392,782; Jan. 8.
- Snyder, Lester A., assignee: *See*—
Schriner, Carl A.
Snyder, Furdum M., Men Aron, assignor to H. H. Robertson Company, Pittsburgh, Pa. Building material. 2,392,272; Jan. 1.
- Snyder, Richard L., Jr., assignee, et al.: *See*—
Snyder, Richard L.
Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Electronic calculating device. 2,404,106; July 16.
- Snyder, Richard L., assignor of one-fourth to H. B. Snyder, Glassboro, one-fourth to R. L. Snyder, Jr., Princeton, and one-fourth to C. L. Snyder, Metuchen, N. J. Rotary internal-combustion engines (alternating piston type). 2,413,589; Dec. 31.
- Snyder, Richard L., assignor of one-fourth to H. B. Snyder, Glassboro, one-fourth to R. L. Snyder, Jr., Princeton, and one-fourth to C. L. Snyder, Metuchen, N. J. Arcuate piston. 2,413,590; Dec. 31.
- Snyder, Robert E., Pasadena, Calif. Ductile tubing connector. 2,406,478; Aug. 27.
- Snyder, Roger M., Norfolk County, Va., assignor to The Union Switch and Signal Company, Swissvale, Pa. Drawbridge interlocking. 2,409,074; Oct. 8.
- Snyder, Saylor C.: *See*—
Gat, John D., and Snyder.
Sobek, Paul, Vienna, Austria, vested in the Alien Property Custodian. Driving device for rotary piston machines. 2,394,337; Feb. 5.
- Sobie, Leo F., Jonesville, Mich. Automatic throttle control. 2,402,851; June 25.
- Sobotka, Harry, New York, N. Y., assignor to Mount Sinai Research Foundation, Inc. Medicated surgical dressings. 2,408,818; Oct. 8.
- Sochaczewski, Stanislaw, London, England. Wheeled carrier. 2,412,697; Dec. 17.
- Société Anonyme Adolphe Saurer, assignee: *See*—
Boll, Bernhard.
Wiget, Georg.
Societe Anonyme de Gestion et d'Exploitation de Brevets, assignee: *See*—
Leech, Abner Y., Jr., and Mohaupt.
Mohaupt, Henry H.
- Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Crey, assignee: *See*—
Gentil, Eugene.
Societe Anonyme Pour La Construction de Materiel Automobile (S. A. C. M. A.), assignee: *See*—
Mennesson, Marcel.
Societe d'Inventions Aeronautiques et Mechaniques S. I. A. M., assignee: *See*—
Levy, René L.
Lucien, René.
Societe Genevoise d'Instruments de Physique, assignee: *See*—
Koulicovitch, Maurice.
Turrettini, Fernand.
- Society of Chemical Industry in Basle, assignee: *See*—
Albrecht, Otto, Graenacher, Sallmann, and Rossi.
Andraau, Walter.
Felix, Fritz, and Heckendorn.
Graenacher, Charles, and Sallmann.
Grossmann, Paul.
Gyr, Josef, and Gunst.
Hanhart, Walter.
Henzi, Ernest.
Holbro, Theodor, Kern, and Sutter.
Kaiser, Otto.
Moser, Eduard.
Schmid, Max, and Moser.
Straub, Fritz, and Brassel.
Straub, Fritz, Brassel, and Mayer.
- Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Forming lever open containers. 2,394,019; Feb. 5.
- Socony-Vacuum Oil Company, assignee: *See*—
Evans, Louis P., and Ray.
Francis, Alfred W., and Reid.
Kirkpatrick, James B., Somers, and Sachanen.
O'Kelly, Arlie A., Plucker, and Work.
Reiff, Orland M., and Anness.
Schillier, Harold, and Shapiro.
- Socony-Vacuum Oil Company, Inc., assignee: *See*—
Abrams, Armand J.
Abrams, Armand J., and Kuhn.
Badertscher, Darwin E., and Bishop.
Badertscher, Darwin E., and Bishop.
Berger, Henry G., and Badertscher.
Bishop, John H.
Boedeker, Edward R., and Oblad.
Bolinger, John C., Brumbaugh, and Curtis.
Bolinger, John C., and Prutzman.
Brooks, John W., O'Kelly, and Work.
Burrows, Percy N., and Lockwood.
Cesear, Philip D., and Sachanen.
Danner, Arthur V.
Denton, William I., and Schlesman.
Dunham, George S.
Evans, Louis P.
Evans, Louis P., and Ray.
Fahnestock, Frank C., and Hagerbaumer.
Francis, Alfred W.
Fuller, Everett W., Berger, and Williams.
Glammaria, John J.
Gorin, Everett.
Gorin, Everett, and Oblad.
Gorin, Manuel H.
Gorin, Manuel H. and E. Sharp, and We'lnsky.
Gorin, Manuel H., and Swerdloff.

Socony-Vacuum Oil Company, Inc., assignee: *See*—Continued

Hawthorne, Wendell P.
Hayden, Kenneth F., Valas, and Daley.
Horton, Aaron W.
Horton, Aaron W., and Kellett.
Horton, Aaron W., Brooks, and O'Kelly.
Kellett, John, III, Marisic, and O'Kelly.
Kinneer, Reginald A., Chamberlain, McCann, Fails, and Gordon.
Kuhn, Carl S., Jr.
Lincoln, Bert H., and Byrkit.
Marisic, Milton M.
Marisic, Milton M., and Schmitt.
Meadow, Jacob R.
Meyer, Ronald E.
Meyer, Ronald E., and Otto.
Minton, John P., and Broding.
Noland, Thomas T., and Nygaard.
Nygaard, Edwin M.
Nygaard, Edwin M., McCracken, and Hamilton.
Nygaard, Edwin M., and Noland.
Otto, Ferdinand P.
Otto, Ferdinand P., and Reiff.
Payne, John W., Noll, and Kalichevsky.
Payne, John W., Sargent, and Daley.
Petty, Theodor A., and Holm.
Reiff, Orland M.
Reiff, Orland M., and Andrus.
Reiff, Orland M., and Giammaria.
Reiff, Orland M., and Zech.
Petty, Theodor A., and Payne.
Sachanen, Alexander N., O'Kelly, and Myers.
Shimek, Edwin J., and Hemphill.
Shook, Earley M., and Olson.
Simpson, Thomas P., Payne, and Crowley.
Simpson, Thomas P., Payne, and Evans.
Sinclair, Edward L., and Hagerbaumer.
Statham, Thomas R., Koenig, and Caldwell.
Sowerwine, Elbert O., Jr.
Stover, William A.
Watts, Euclid V.
Wingrove, Byron F.
Woodward, Robert E., Hawthorne, and Meadow.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. 1-1-hydroxy-3-amino-3-methyl butane. 2,393,483; Jan. 22.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Composition of matter, coated article, and making the same. 2,394,816; Feb. 12.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Plasticized polystyrene-type resins. 2,400,892; May 28.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Chemical process and product. 2,407,689; Sept. 17.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Rubber compositions containing indanol esters. 2,411,943; Dec. 3.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Purification of indene. 2,413,253; Dec. 24.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Refining styrene and methyl styrene. 2,413,255; Dec. 24.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Isoprene resins and making the same. 2,394,266; Feb. 5.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Polymerization of heat polymerizable aromatic olefins. 2,394,407; Feb. 5.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Catalytic polymerization of unsaturated hydrocarbons. 2,394,641; Feb. 12.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Plasticized composition. 2,394,815; Feb. 12.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Coating compositions. 2,395,076; Feb. 19.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Separation of olefins and/or diolefins from hydrocarbon mixtures. 2,395,955; Mar. 5.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Recovery of unsaturated hydrocarbons from mixtures containing the same. 2,395,956; Mar. 5.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Purifying pentadiene. 2,395,958; Mar. 5.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Obtaining butadiene in a more concentrated form. 2,395,959; Mar. 5.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Chemical process. 2,398,810; Apr. 23.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Purification of isoprene. 2,398,973; Apr. 23.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Plasticized chlorinated rubbers. 2,402,189; June 18.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Detergent composition. 2,404,003; July 16.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Detergent composition. 2,404,004; July 16.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Rubber composition. 2,407,183; Sept. 3.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Resilient insulating batt. 2,407,582; Sept. 10.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Cellulose derivative composition. 2,412,920; Dec. 17.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. For refining unsaturated hydrocarbon material with an alkali or alkaline earth metal. 2,413,254; Dec. 24.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Chemical process and product. 2,413,256; Dec. 24.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Purifying piperylene. 2,413,257; Dec. 24.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Polystyrene-type resins plasticized with high boiling fatty acid alkyl esters. 2,413,258; Dec. 24.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Polyacrylic and polymethacrylic resins plasticized with high boiling aromatic oils. 2,413,259; Dec. 24.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Refining of aromatic hydrocarbons with acid-acting metallic halides. 2,413,260; Dec. 24.
Soderberg, Gustave J., Babylon, N. Y. Fastener. 2,398,603; Apr. 18.
Soderberg, Gustave J., Babylon, N. Y. Connecting means. 2,400,848; May 21.
Soderquist, Leslie E., assignor to The McNeil Machine & Engineering Company, Akron, Ohio. Control apparatus for vulcanizing presses. 2,392,619; Jan. 8.
Sodomka, Joseph E., Racine, Wis. Lithographic press and protecting ink from water. 2,395,151; Feb. 19.
Soenke, John E., assignor to The Glenn L. Martin Company, Baltimore, Md. Gun control device. 2,408,277; Sept. 24.
Soffer, Ernest, Bronx, N. Y. Angle iron brace. 2,400,266; Apr. 14.
Softis, Nick, Clayton, Mo. Liquid dispensing apparatus. 2,398,727; Apr. 16.
Soher, Le Roy, Englewood, N. J. Internal-combustion engine. 2,398,664; Apr. 23.
Sohn, Abraham, assignee: *See*—Schloss, Irvin B.
Sohn, Marion E., Seattle, Wash. Navigating device. 2,395,351; Feb. 19.
Sokoloff, Herman, Kansas City, Mo. Broom holder. 2,407,457; Sept. 10.
Solakian, Haig: *See*—Holden, Artemas F., and Haig.
Solar Aircraft Company, assignee: *See*—Chronis, Steve.
Collins, Norma C.
Conzelmann, John E., Jr.
Jude, Walter E.
Terhaar, Frederick W.
Soldan, Otto, Falkensee, Osthaveland, Germany: vested in the Alien Property Custodian. Microphone. 2,410,528; Nov. 5.
Soldani, Albert, assignor to Hyde Manufacturing Company, Southbridge, Mass. Scraper. 2,392,273; Jan. 1.
Soler, Limited, assignee: *See*—Wattebot, Louis E.
Solinski, Charles A., assignor to The Exhibit Supply Company, Chicago, Ill. Amusement apparatus. 2,393,004; Jan. 15.
Solinski, Joseph: *See*—Skierow, Benjamin and H., and Solinsky.
Solinsky, Robert S., Chicago, Ill. Can. 2,403,030; July 2.
Soliveras, José, Jr., Los Angeles, Calif. Spark plug. 2,399,299; Apr. 30.
Soller, Walter, assignee, et al.: *See*—Krebs, Richard P.
Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., San Mateo, Calif. Balanced amplifier system. 2,392,415; Jan. 8.
Sollinger, Ferdinand P., Paterson, N. J., assignor to Wright Aeronautical Corporation. Variable turbine nozzle. 2,412,363; Dec. 10.
Solomon, Charles, New York, N. Y. Button wing for garment sleeves. 2,410,188; Oct. 29.
Solomon, Charles, New York, N. Y. Removable pad for sport shirts and jackets. 2,413,526; Dec. 31.
Solomon, Charles, New York, N. Y. Removable shoulder pads for shirts. 2,413,527; Dec. 31.

- Solomon, Ernest, Nutley, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Catalyst manufacture. 2,406,477; Aug. 27.
- Solomon, Nathan L., Mount Vernon, N. Y. Hair curler. 2,395,945; Mar. 5.
- Solomon, Roy W., assignee: *See—*
Vaught, Le Roy.
- Solon, Alfred F., Oakland, Calif. Trailer hitch device. 2,409,399; Oct. 15.
- Solvay Process Company, assignee: *See—*
Crowder, John A., Kise, and Nesty.
Porter, Frank.
Smith, Earl W.
- Solvay Process Company, The, assignee: *See—*
Crowder, John A.
Hicks, William B., and Saunders.
Julien, Arlie P., and Farrell.
Kise, Mearl, A., and Engle.
Nesty, Glenn A., and Klingelhofer.
Quinn, John, and Horst.
Reynolds, Robert L., and Rice.
Saddington, Arthur W.
- Solventol Chemical Products, Inc., assignee: *See—*
Sztajn, Boleslaus J.
- Soma, Torger G., Cooperstown, N. Dak. Screw conveyer. 2,393,672; Jan. 22.
- Somers, Frank J.: *See—*
Clark, Robert W., and Somers.
- Somers, Frank J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Control circuit. 2,402,096; June 11.
- Somers, John J.: *See—*
Kirkpatrick, James B., Somers, and Sachanen.
- Somerville, Somervell B., assignor to K. P. Schinke, New York, N. Y. Recoil mechanism. 2,404,931; July 30.
- Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Compounding and vulcanization of synthetic rubber. 2,399,945; May 7.
- Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Compounding and vulcanization of synthetic rubber. 2,399,946; May 7.
- Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Compounding and vulcanization of synthetic rubber. 2,399,947; May 7.
- Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Compounding and vulcanization of synthetic rubber. 2,399,948; May 7.
- Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Compounding and vulcanization of synthetic rubber. 2,399,949; May 7.
- Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Compounding and vulcanization of synthetic rubber. 2,400,029; May 7.
- Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Compounding and vulcanization of synthetic rubber. 2,400,057; May 7.
- Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Vulcanization accelerators. 2,401,519; June 4.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Welding apparatus. 2,393,198; Jan. 15.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Welding apparatus. 2,393,199; Jan. 15.
- Somerville, William E., Coal City, Ill. Wire stranding machine. 2,395,865; Apr. 23.
- Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Heat treating machine. 2,393,484; Jan. 22.
- Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Apparatus for heat treating. 2,396,612; Mar. 12.
- Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Apparatus for heat treating articles. 2,396,613; Mar. 12.
- Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Work handling apparatus. 2,396,614; Mar. 12.
- Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Heating head. 2,397,442; Mar. 26.
- Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Electrical connector. 2,398,260; Apr. 9.
- Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Heat treating apparatus. 2,399,896; May 7.
- Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Induction heating head. 2,399,897; May 7.
- Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Tubular structural member. 2,406,859; Aug. 13.
- Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Induction heat-treating apparatus. 2,411,698; Nov. 26.
- Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Blank for induction heating heads. 2,411,699; Nov. 26.
- Sommer, Eric E.: *See—*
Clapsadle, Leo J., Kratzer, and Sommer.
- Sommer, Harry J., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Albino asphalt emulsion paint. 2,393,573; Jan. 22.
- Sommer, Harry J., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Albino asphalt emulsion paint. 2,393,574; Jan. 22.
- Sommer, Kurt, La Grange Park, P. Maca, Hinsdale, E. Edwards, and W. Budig, Chicago, Ill., assignors to said Sommer and said Maca, as trustees. Glass drilling apparatus. 2,413,084; Dec. 24.
- Sommerville, Andrew, Pasadena, Calif. Adjustable price mark. 2,401,843; June 11.
- Sonin, Frances, and M. H. Siegel, New York, N. Y. Forming fur filled yarn. 2,411,559; Nov. 26.
- Sonne, Frederick T., Golf, and V. Sussin, assignors to Chicago Aerial Survey Company, Chicago, Ill. Photographic printer. 2,394,817; Feb. 12.
- Sonne, Frederick T., Golf, and V. Sussin, assignors to Chicago Aerial Survey Company, Chicago, Ill. Scanning camera. 2,409,597; Oct. 15.
- Sonne, John, Cleveland, Ohio. Mechanical razor. 2,403,407; July 2.
- Sonneborn, L., Sons, Inc., assignee: *See—*
Blumer, Manuel.
Faust, Jacob.
Kinsel, Anthony.
Moscowitz, Abraham.
- Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Universal sequence-current relaying means. 2,406,411; Aug. 27.
- Sonnenberg, Rudolph, assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Bottle capper. 2,397,297; Mar. 26.
- Sonnichsen, Harold M., and R. F. Gager, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol compositions. 2,399,401; Apr. 30.
- Sonetone Corporation, assignee: *See—*
Carlisle, Samuel F., Jr., and Mundel.
- Sontag, Samuel, assignee: *See—*
Satz, Frank.
- Soper, Donald C., Los Angeles, Calif. Automatic fire extinguisher. 2,397,761; Apr. 2.
- Sopp, Richard A., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Machine for evertling ball casings and similar articles. 2,394,525; Feb. 5.
- Soprano, E., Theodore P., New York, N. Y. Internal-combustion engine. 2,408,890; Oct. 8.
- Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Transmitting apparatus for remote control systems. 2,395,693; Feb. 26.
- Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,396,134; Mar. 5.
- Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for selective control and indication systems. 2,409,719; Oct. 22.
- Sorensen, Charles E.: *See—*
Ford, Henry, Sorensen, and McCarroll.
- Sorensen, Charles E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Exhaust turbosupercharger. 2,397,816; Apr. 2.
- Sorensen, Edward M., Dayton, Ohio. Control system. 2,392,416; Jan. 8.
- Sorensen, Edward M., Dayton, Ohio. Speed control system. 2,408,451; Oct. 1.
- Sorensen, Edward M., Dayton, Ohio. Radio remote control system. 2,408,819; Oct. 8.
- Sorensen, Louis N., Port Clinton, Ohio, assignor to The Celotex Corporation, Chicago, Ill. Perforating gypsum lath. 2,408,488; Oct. 1.
- Sorensen, Otto E., Fairfield, Conn. Fixture for holding and measuring work at selective angles. 2,406,043; Aug. 20.
- Soreny, Ernest V., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Conducting devices and making the same. 2,394,020; Feb. 5.
- Sorg, Harold E.: *See—*
Drieschman, Donald F., Sheperd, Rabinowitz, Newhall, and Sorg.
- Soria, Alberto M., and R. C. Cesia, Buenos Aires, Argentina. Card index. 2,402,301; June 18.
- Sorkind, Abraham, Brawley, Calif. Fly swatter. 2,394,267; Feb. 5.
- Sorrentino, Luis, Buenos Aires, Argentina. Counterweight device for curtains. 2,412,471; Dec. 31.
- Sorrentino, Vincent, Providence, R. I., assignor to Uncas Manufacturing Company. Key holder. 2,396,615; Mar. 12.
- Sorrentino, Thomas, New York, assignor to Oceanic Tank Processing Corporation, Brooklyn, N. Y. Vacuum pumping system. 2,404,869; July 30.

- Sossner Steel Stamps, assignee: *See*—
Nachemow, Leonard.
- Souche, Fernand C., Oullins, France; vested in the Alien Property Custodian. Automatic line centering and shifting device for typesetting machines. 2,392,558; Jan. 8.
- Souden, Alexander G.: *See*—
Ellis, William C., and Souden.
- Sound Scriber Corporation, The, assignee: *See*—
Thompson, Lincoln.
- Soundscrubber Corporation, The, assignee: *See*—
Nakken, Theodore H., and Stone, Thompson, Lincoln.
- Southern, Stanley H., Richmond Hill, N. Y., assignor to Sun Chemical Corporation. Braser composition. 2,404,322; July 16.
- Southeast Aviation, Inc., assignee: *See*—
Barber, Hiram E.
- Southerland, Beverly A.: *See*—
Kennedy, Woodford A., and Southerland.
- Southern Acid and Sulphur Co., Inc., assignee: *See*—
Nevins, Samuel L., Albertson, and Gilliam.
- Southern Friction Materials Company, assignee: *See*—
Snow, Howard.
- Snow, Howard, and Pickard.
- Southern Mills, Incorporated, assignee: *See*—
Ellis, William D., and Thesmar.
- Southern Spring Bed Company, assignee: *See*—
Rocker, William P.
- Southern Wood Preserving Company, assignee: *See*—
Deiters, August M.
- Southwell, Charles R., San Antonio, Tex. Map and location finding means therefor. 2,411,300; Nov. 19.
- Southwest Welding & Mfg. Co., assignee: *See*—
Maloon, Earl B., and Yount.
- Southwick, Charles A., Jr., assignor to Shellmar Products Company, Mount Vernon, Ohio. Sheet material and seam construction. 2,395,077; Feb. 19.
- Southwick, Charles A., Jr., South Norwalk, Conn., and A. P. Stagner, Upland, Mo., assignors to General Foods Corporation, New York, N. Y. Forming seals. 2,405,675; Aug. 13.
- Southworth, Augustus R., assignee: *See*—
Luckhaupt, Christopher.
- Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave radio transmission. 2,405,242; Aug. 6.
- Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide electrotherapeutic system. 2,407,690; Sept. 17.
- Souza, August N., assignor of one-half to R. A. Souza, Oakland, Calif. Teeter. 2,398,122; Apr. 9.
- Souza, Reuben A., assignee: *See*—
Souza, August N.
- Sowa, Frank J., Cranford, N. J. Lubricant and lubricating surfaces therewith. 2,406,971; Sept. 3.
- Sowa, Frank J., Cranford, N. J. Lubricants. 2,407,037; Sept. 3.
- Sowa, Frank J., Cranford, N. J. Solutions of organic mercury compounds. 2,411,815; Nov. 26.
- Sowell, Guy T., Big Lake, Tex. Counterbalancing attachment for pumps. 2,401,669; June 4.
- Sowers, Wesley, Flossmoor, assignor to The Pure Oil Company, Chicago, Ill. Control of pH of water from earth bore. 2,398,123; Apr. 9.
- Sowerwine, Elbert O., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mixing nozzle. 2,399,712; May 7.
- Sowerwine, Elbert O., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for preparing formed gels. 2,410,314; Oct. 29.
- Sowerwine, Elbert O., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for preparing formed gels. 2,410,315; Oct. 29.
- Sowie, Charles E., Van Nuys, assignor to Lockhead Aircraft Corporation, Burbank, Calif. Gazing unit. 2,409,808; Oct. 22.
- Sowie, Theo J., Algonac, Mich. Spectacles and glasses protector. 2,395,077; Feb. 19.
- Spack, Maurice, Newton Center, Mass. Device for conforming a shoe upper to the shape of a last. 2,409,721; Oct. 22.
- Spackman, Thomas F.: *See*—
Pope, David M., and Spackman.
- Spackman, Thomas F., assignor to Stewart-Warner Corporation, Chicago, Ill. Portable heater. 2,403,155; July 2.
- Spader, Arthur H., Bergenfield, N. J. Rotary ice cream dispensing cabinet. 2,412,068; Dec. 3.
- Spafford, Ralph W., assignor to The Loudon Machinery Company, Fairfield, Iowa. Traveling conveyor apparatus. 2,401,115; May 28.
- Spafford, Ralph W., and L. R. Bergen, assignors to The Loudon Machinery Company, Fairfield, Iowa. Electric traveling crane system. 2,392,417; Jan. 8.
- Spalding, A. G., & Bros. Inc., assignee: *See*—
Baymiller, John W., and Vose, Geering, Gerald K., and Tynan.
- Spalding, John E., Nitro, and D. B. Wicker, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for crimping filamentary materials. 2,407,108; Sept. 3.
- Spalding Knitting Mills, assignee: *See*—
Norman, George.
- Spanel, Abraham N., Princeton, N. J. Pneumatic collapsible boot. 2,396,212; Mar. 5.
- Spangberg, Leonard V.: *See*—
Clapp, Edwin A., and Spangberg.
- Spangler, Daniel H., Hamburg, Pa. Suspension and load equalizing system for vehicles. 2,403,833; July 9.
- Spangler, Earl G., La Canada, Calif. Air and water separator for removing air or water mixed with hydrocarbons, comprising a cartridge containing a wadding of wooden shavings. 2,412,841; Dec. 17.
- Spangler, John E., and U. A. Cornett, Gallipolis, Ohio. Transmission assembly. 2,398,164; Apr. 9.
- Sparkes, Harry F., West Orange, N. J., and E. G. Johanson, Watertown, Mass., assignors of one-half to Westinghouse Electric Corporation, East Pittsburgh, Pa., and one-half to Anchor Manufacturing Company, Boston, Mass. Meter mounting. 2,403,132; July 2.
- Sparks, Joseph W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Identifying petroleum products. 2,392,620; Jan. 8.
- Sparks, William J.: *See*—
Gleason, Anthony H., and Sparks.
- Kellogg, Henry B., and Sparks.
- Sparks, William J., Elizabeth, and D. C. Field, Linden, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Apparatus for the manufacture of polymer. 2,395,079; Feb. 19.
- Sparks, William J., Elizabeth, and A. H. Gleason, Westfield, N. J., assignors to Standard Oil Development Company. Polymerization process. 2,411,599; Nov. 26.
- Sparks, William J., Cranford, and R. M. Thomas, Union, N. J., assignors to Standard Oil Development Company. Asymmetric copolymer of a mono-olefin and an unsaturated ether. 2,412,921; Dec. 17.
- Sparks, William N.: *See*—
Baird, William J., and Sparks.
- Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety valve. 2,393,427; Jan. 22.
- Sparrow, Hubert T., Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Milwaukee, Wis. Solenoid valve. 2,407,184; Sept. 3.
- Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft temperature control. 2,408,699; Oct. 1.
- Sparrow, Hubert T., D. G. Taylor, and G. H. Witts, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,394,213; Feb. 5.
- Spase, Charles B., Nedrow, assignor to Lippe-Rollway Corporation, Syracuse, N. Y. Clutch. 2,407,727; Sept. 17.
- Spase, Charles B., Nedrow, assignor to Lippe-Rollway Corporation, Syracuse, N. Y. Friction clutch. 2,407,728; Sept. 17.
- Spase, Charles B., Nedrow, assignor to Lippe-Rollway Corporation, Syracuse, N. Y. Overload clutch. 2,411,600; Nov. 26.
- Spatta, George, assignor to Clark Equipment Company, Mich. Axle. 2,410,133; Oct. 29.
- Spayd, F. M., Engineering Corporation, assignee: *See*—
Spayd, Fred M.
- Spayd, Fred M., Van Wert, assignor to F. M. Spayd Engineering Corporation, Dayton, Ohio. Bung. 2,396,027; Mar. 5.
- Spayd, Fred M., Van Wert, assignor to F. M. Spayd Engineering Corporation, Dayton, Ohio. Stepladder. 2,396,028; Mar. 5.
- Speaker, David M., East Orange, N. J. Electronic surgical metal body locator. 2,393,717; Jan. 29.
- Speaker, John W., Milwaukee, Wis. Pocket type can opener. 2,413,528; Dec. 31.
- Speakman, John B.: *See*—
Cunningham, George E., Chamberlain, and Speakman.
- Speakman, John B., Far Headingley, Leeds, England, assignor to Perm Ltd., Dover, Del. Composition for treating keratin fibers. 2,400,377; May 14.
- Speakman, John B., Far Headingley, Leeds, England, assignor to Perm Ltd., Dover Del. Treatment of fibers or fibrous materials containing keratin. 2,410,248; Oct. 29.
- Speakman, John B., and T. Barr, Leeds, England, assignors to Imperial Chemical Industries Limited. Treatment of wool fibers. 2,406,412; Aug. 27.
- Speakman, John B., Far Headingley, Leeds, and N. H. Chamberlain, Headingley, Leeds, assignors to Cefoil Limited, Maidenhead, England. Production of fabrics from alginic materials. 2,409,331; Oct. 13.
- Spealman, Max L., San Francisco, Calif., assignor to Stauffer Chemical Company. Purifying carbon disulphide. 2,402,785; June 25.
- Spear, Walter A., assignor to Victor Electric Products, Inc., Cincinnati, Ohio. Carriage. 2,401,387; June 4.
- Spear, Wendell C., Wapakoneta, Ohio, and L. C. Schaefer, Honolulu, Hawaii, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor control. 2,403,156; July 2.
- Speare, Albert R.: *See*—
Thompson, Willis F., and Speare.
- Speare, Leolyn F., Westfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 2,405,243; Aug. 6.

- Spear's, Alden, Sons Co., The, assignee: *See*—
Thompson, Willis F.
- Specht, Harry G., Montclair, N. J. Press roll for paper making. 2,395,915; Mar. 5.
- Specht, Harry G., Montclair, N. J. Centrifugal casting. 2,406,860; Sept. 3.
- Special Equipment Company, assignee: *See*—
Ewald, Raymond L., and Skog.
- Specialties Development Corporation, assignee: *See*—
Freygang, Walter H.
- Grant, Harry C.
- Grant, Harry C., Jr., and Haessler.
- Grant, Harry C., Jr., and Thomsen.
- Hannant, T. N.
- Heigls, Henry E.
- Heizer, Edward J.
- Mapes, Daniel.
- Marsh, Sidney C.
- Stroop, John H.
- Uhl, Arthur W.
- Zeek, Elwood R.
- Specialties, Inc., assignee: *See*—
De Beauregard, Amedee C.
- Speck, Kurt: *See*—
O'Larte, Rudolph, and Speck.
- Spector, Morris, Chicago, Ill., assignor to Spector Patents, Inc., Combination reversing means, transfer means, and yieldable pusher finger means in match book assembling mechanism. 2,413,659; Dec. 31.
- Spector Patents, Inc., assignee: *See*—
Spector, Morris.
- Speed, Fletcher C.: *See*—
Horton, Lucien B., and Speed.
- Speed, Richard B., Newark, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Selenium element. 2,411,560; Nov. 26.
- Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.
- Spence, Harry R., and H. W. Hooker, Lewiston, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Removing oxide from the surface of metals. 2,395,694; Feb. 26.
- Spence, Hubert L.: *See*—
Kashubeck, Archwood J., Spence, and Eler.
- Spence, John: *See*—
Carroll, Burt H., and Spence.
- Spence, John A., and E. F. Degering, West La Fayette, assignors to Purdue Research Foundation, La Fayette, Ind. Condensation of ketenes with diketones. 2,407,301; Sept. 10.
- Spence, John A., and E. F. Degering, West La Fayette, assignors to Purdue Research Foundation, La Fayette, Ind. Condensation of ketenes with ketoesters. 2,407,302; Sept. 10.
- Spence, Le Roy U.: *See*—
Butterbaugh, Darrel J., and Spence.
- Spence, Paulsen, East Orange, N. J., assignor to Spence Engineering Company, Inc., Walden, N. Y., a corporation of New York. Valve. 2,399,301; Apr. 30.
- Spencer, Arthur: *See*—
Abbink-Spaink, Johann H., and Spencer.
- Spencer, Arthur, Benwell, Newcastle-on-Tyne, and J. H. Abbink-Spaink, Jesmond, Newcastle-on-Tyne, assignors to Vickers-Armstrongs Limited, London, England. Pressure fluid follow-up motor. 2,412,366; Dec. 10.
- Spencer, Cecil A., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Bromination of aromatic acids. 2,394,268; Feb. 5.
- Spencer, Chester L.: *See*—
Andersen, George D., Spencer, and Hansen.
- Spencer, Harry S., Beauharnois, assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada. Warning alarm signal for paper machines. 2,410,249; Oct. 29.
- Spencer, Henry E.: *See*—
Simmons, John H., and Spencer.
- Spencer, James A.: *See*—
Briggs, Loyd A., and Spencer.
- Reinhold, Leonhard F., and Spencer.
- Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Secrecy system for telegraph circuits. 2,397,057; Mar. 19.
- Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Single channel secrecy device. 2,397,058; Mar. 19.
- Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Telegraph tape reperforator. 2,412,300; Dec. 10.
- Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Random code tape perforator. 2,412,301; Dec. 10.
- Spencer, James A., Teaneck, N. J., and L. F. Reinhold, Staten Island, N. Y., assignors to Radio Corporation of America. Selecting mechanism. 2,406,044; Aug. 20.
- Spencer, Kenyon, assignee: *See*—
Norton, John S.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc discharge starting device. 2,396,294; Mar. 12.
- Spencer, Percy L., West Newton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Tunable magnetron. 2,408,234; Sept. 24.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. High efficiency magnetron. 2,408,235; Sept. 24.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetron casing. 2,408,236; Sept. 24.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron. 2,408,237; Sept. 24.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Space discharge device. 2,408,238; Sept. 24.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device. 2,408,239; Sept. 24.
- Spencer, Percy L., assignor to Raytheon Manufacturing Company, West Newton, Mass. High efficiency magnetron. 2,410,396; Oct. 29.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device. 2,411,601; Nov. 26.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Getter. 2,412,302; Dec. 10.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge cathode. 2,412,842; Dec. 17.
- Spencer, Percy L., West Newton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Electrode assembly for discharge tubes. 2,413,006; Dec. 24.
- Spencer, Richard O., Santa Monica, Calif., assignor to General Electric Company. Flatron. 2,407,110; Sept. 3.
- Spencer, Robert S.: *See*—
Robinson, Harold A., Friedrich, and Spencer.
- Spencer Shoe Corporation, assignee: *See*—
Horvitz, John D.
- Spencer Turbine Company, The, assignee: *See*—
Smith, Lester C.
- Spender, Donald L.: *See*—
Killorin, Francis O'L., and Spender.
- Spengler, Walter J., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrical connecting and radio-shielding means. 2,399,402; Apr. 30.
- Spengler, Walter J., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,412,102; Dec. 3.
- Spengler, Walter J., T. Tognola, and J. R. Frei, Sidney, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Radio shielding means. 2,396,060; Mar. 5.
- Spensley, William J., assignor to The Adams Company, Dubuque, Iowa. Foundry flask. 2,393,200; Jan. 15.
- Sperber, Lawrence R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Curing butadiene-styrene synthetic rubber. 2,409,809; Oct. 22.
- Sperling, Joseph, New York, N. Y. Window construction. 2,403,246; July 2.
- Sperry Gyroscope Company, Inc., assignee: *See*—
Allison, Byron L., and Wong.
- Antony, Charles, Jr., and Ishbister.
- Beach, Lennox F., Esval, and Lane.
- Braddon, Frederick.
- Braddon, Frederick D.
- Braddon, Frederick D., and Kellogg.
- Brewer, Alexander F.
- Brown, Gordon S., and Forrester.
- Carter, Leslie F.
- Carter, Leslie F., and West.
- Chafee, Earl W.
- Costa, Philip J.
- Curry, Robert S., Jr.
- Dawson, Edward.
- Depp, Marlin C., and Fragola.
- De Westfelt, Gerard.
- Esval, Orland E.
- Esval, Orland E., and Curry.
- Ferrill, Thomas M., Jr.
- Frische, Carl A., Bentley, and Halpert.
- Frische, Carl A., and Hanson.
- Ginzton, Edward L.
- Ginzton, Edward L., Palmer, and Jenks.
- Ginzton, Howard L.
- Hansen, William W.
- Hansen, William W., and Woodyard.
- Hanson, Gerald N.
- Hanson, Gerald N., Halpert, and Frische.
- Harris, Herbert, Jr.
- Harrison, Arthur E.
- Haskins, Robert, Jr., and Esval.
- Hays, Robert F., Jr.
- Herzig, Henry A.
- Hight, William R., and Wittkuhns.
- Holschuh, Carl G., and Fram.
- Holschuh, Carl G., and Vichler.
- Hull, Harvard L., and Munroe.
- Hull, Harvard L., Gorrill, and Frost.
- Jenks, Frederic A., and Folland.
- Jenks, Frederic A., Folland, Maeder, and Cooke.
- Kenyon, David B.
- Lane, Arthur W.
- Langstroth, Hall, and Wallace.

Sperry Gyroscope Company, Inc., assignee: *See*—Continued

Lazar, Edward F.
Lombardi, Anthony J.
Lundy, Clarence C., and Langstroth.
Matthews, William A.
Maybarduk, Leon A., Mieher, Zand, and White.
McCoy, Rawley D., and Mallett.
Mieher, Walter W., and Mallett.
Morgenthaler, Frederick W., and Garwood.
Riggs, Alger S.
Salsbury, Frederick L.
Shepherd, James E.
Shepherd, James E., and Mallett.
Snow, Donald L.
Stearns, Horace M.
Tait, William O.
Van Auken, Howard C.
Van Auken, Howard C., and Esher.
Van Auken, Howard C., and Hanson.
Varian, Russell H.
West, Francis, Jr.
White, Walter T.
Wittkuhn, Bruno A., and Chantemerle.
Woodyard, John R.
Sperry Gyroscope Company, Limited, assignee: *See*—
Horstmann, Bevan G.
Sperry Gyroscope Company Limited, The, assignee: *See*—
Dawson, Edward.
Ferrill, Thomas M., Jr.
Horstmann, Bevan G.
Sperry Products, Inc., assignee: *See*—
Drake, Harcourt C.
Haight, Norman L.
Sperry, Russell L.: *See*—
Kaiser, Donald W., and Sperry.
Sperry-Sun Well Surveying Company, assignee: *See*—
Bazzoni, Charles B., and Millington.
Emerson, William H., and Hering.
Millington, John W.
Pearson, John M., and Nichols.
Smith, George A.
Spetz, Frank F., Baldwin, N. Y. Portable grinder.
2,401,670; June 4.
Spialter, Leonard: *See*—
MacKenzie, Charles A., and Spialter.
Spicacci, Attilio R., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Grinding of rollers.
2,400,320; Oct. 15.
Spicer Manufacturing Corporation, assignee: *See*—
Lewis, Robert P.
Peterson, Carl D., and Deimel.
Spicer, William E.: *See*—
Pierce, Jerry A., and Spicer.
Spiecker, Paul M., Ocean City, N. J. Cutting out four-in hand necktie blanks. 2,402,302; June 18.
Spiegel, Erwin: *See*—
Neumann, Heinrich, Bukowski, Ramshorn, Spiegel, and Tonn.
Spiegel, Felix: *See*—
Lorenzen, Robert, and Spiegel.
Spielman, Sterling C., Huntington Valley, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High voltage regulator circuit. 2,407,458; Sept. 10.
Spies, Georg, Leipzig, W. 81, Germany: vested in the Alien Property Custodian. Apparatus for correcting differences in register. 2,404,756; July 23.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Convection heater. 2,406,643; Aug. 27.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Air deflector vane for unit heaters. 2,413,118; Dec. 24.
Spievak, Louis A., West Los Angeles, Calif. Adjustable hold-down device. 2,408,586; Oct. 1.
Spilhaus, Arthelstan F., University Heights, N. Y., assignor to Submarine Signal Company, Boston, Mass. Bathymograph and sea sampler. 2,396,724; Mar. 19.
Spiller, George, assignor to Hercules Powder Company, Wilmington, Del. Rosin ester modified dicarboxylic acid-glycol resin. 2,411,904; Dec. 3.
Spiller, William R., and L. D. Barclay, Dayton, assignors to Harris-Scybold-Potter Company, Cleveland, Ohio. Stitching machine. 2,398,053; Apr. 9.
Spiller, William R., and R. J. Niederhauser, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill. Stitching machine. 2,405,800; Aug. 13.
Spinello, Matthew, Rockford, Ill. Door lock. Re. 22,766; June 11.
Spinola, Cyril A., Honolulu, Territory of Hawaii. Combination shaving mug and shaving cream dispenser. 2,392,007; Jan. 1.
Spira, Josef H., New York, N. Y. Apparatus for polishing or forming facets on gems, diamonds, or the like. 2,393,939; Jan. 29.
Spiral Bagging Machine Corporation, assignee: *See*—
Gardner, Percy, and Kagan.
Spiral Binding Company, Inc., assignee: *See*—
Freundlich, Albert.

Spitler, Theodore M., Schenectady, N. Y., assignor to General Electric Company. Shockproof electromagnet. 2,399,517; Apr. 30.
Spitzli, Donald H., Summit, and R. W. Charlton, Montclair, N. J., assignors to Congoleum-Nairn Inc. Fire retardant linoleum type coverings. 2,412,303; Dec. 10.
Spitzmueller, Kurt H.: *See*—
Young, Harland H., and Spitzmueller.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,392,418; Jan. 8.
Spohn, Walter H., Pittsburgh, Pa. Theatrical apparatus. 2,405,766; Aug. 13.
Spohr, Carl W.: *See*—
Persson, Per O., and Spohr.
Spokes, Ray E.: *See*—
Kelley, Emil C., and Spokes.
Spoonner, Harry, Stephens, Ark. Nutcracker. 2,407,350; Sept. 10.
Spoonner, Reginald A. W., Walton-on-Thames, assignor to Woodfield Engineering Limited, London, England. Locking or coupling pin, short shaft, and similar devices. 2,399,581; Apr. 30.
Spoonner, Reginald A. W., Walton-on-Thames, assignor to Woodfield Engineering Limited, London, England. Coupling or connecting device. 2,402,925; June 25.
Spore, Harry, W. Ilkley, England. Drying of material. 2,401,520; June 4.
Sporney, William W., Ilkley, England. Air circulator for ovens. 2,412,103; Dec. 3.
Sporney, George: *See*—
French, Edward A., and Sporney.
Spotswood Specialty Co. Inc., assignee: *See*—
Mull, Arthur B.
Sprague, Earl E., assignor to Raymond J. Scheffler, Grand Rapids, Mich. Electric thermal switch. 2,405,767; Aug. 13.
Sprague Electric Company, assignee: *See*—
Brooks, Lester A., and Nazzewski.
Burnham, John.
Robinson, Preston, and Dorst.
Sprague, James M., Drexel Hill, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Diazine compounds. 2,407,966; Sept. 17.
Sprague, Robert B.: *See*—
Broadston, James A., and Sprague.
Sprague, Robert B., Long Beach, Calif., assignor to Hoof Products Company, Chicago, Ill. Fluid lockout device. 2,405,669; July 9.
Sprague, Robert B., assignee: *See*—
Brooker, Leslie G. S., and Sprague.
Sprague, Robert M., Great Neck, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Secrecy signaling system, method, and apparatus. 2,395,431; Feb. 26.
Sprague, Robert M., Manhasset, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Secrecy signaling system, method, and apparatus. 2,395,432; Feb. 26.
Sprague, Robert M., Hicksville, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Modulating method and apparatus. 2,398,054; Apr. 9.
Sprague, Stanley L., Westwood, assignor to B. B. Chemical Co., Boston, Mass. Adhesive composition. 2,400,612; May 21.
Spraker, Richard A., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Article asorting apparatus. 2,402,097; June 11.
Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Filter screen. 2,396,295; Mar. 12.
Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Beading strip. 2,400,470; May 14.
Spraragen, Louis, Bridgeport, Conn., assignor to Automatic Locking Devices, Incorporated. Reversible release latch. 2,406,644; Aug. 27.
Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Woven resistance unif. 2,412,943; Dec. 17.
Spray Process Co. Inc., assignee: *See*—
Vose, Edwin W.
Spraying Systems Co., assignee: *See*—
Wahlin, Fred W.
Sprenger, William H.: *See*—
Hoffman, Otis E., Quirk, and Sprenger.
Spriesch Tool and Manufacturing Company, Inc., assignee: *See*—
Chapin, Bryan W.
Sprigg, Edward A., Wadsworth, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flexible impression member. 2,402,706; June 25.
Sprigg, Edward A., Wadsworth, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for testing compressible hardness of materials. 2,407,583; Sept. 10.
Springer, Berthold, Berlin W. 30, Germany: vested in the Alien Property Custodian. Impregnating condensers. 2,410,756; Nov. 5.
Springer, Joseph J.: *See*—
Burwick, Leo, and Springer.
Springer, Walter, Berlin-Steglitz, Germany: vested in the Alien Property Custodian. Altimeter. 2,398,055; Apr. 9.
Springers, Earl W., Silver Hill, Md. Plotter indicator for harbor defense. 2,406,861; Sept. 3.

- Springhorn, Charles, Orange, assignor to Metal Textile Corporation, West Orange, N. J. Self-acting friction clutch. 2,401,981; June 11.
- Springhorn, Charles, Orange, assignor to Metal Textile Corporation, West Orange, N. J. Governor clutch mechanism. 2,401,982; June 11.
- Sprinkel, Robert E., Washington, D. C. Dual control operating mechanism for motor vehicles. 2,406,261; Aug. 20.
- Sprinkle, Marshall R., Edwardsville, and R. S. MacDuff, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Surge tank system. 2,403,563; July 9.
- Sproule, Lorne W., Sarnia, Ontario, Canada, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricating grease composition. 2,394,567; Feb. 12.
- Sprouse, Verner E., Columbus, Ind. Blower. 2,394,214; Feb. 5.
- Sprouse, Verner E., Columbus, Ind. Worm adjusting double wrap hose clamp. 2,408,347; Sept. 24.
- Sproy, John H., Jackson, Ohio. Blast furnace tuyere. 2,405,461; Aug. 6.
- Sprules, Francis J.: *See*—
Price, Donald, and Sprules.
- Sprung, Murray M., Scotta, N. Y., assignor to General Electric Company. Synthetic wax composition. 2,408,700; Oct. 1.
- Sprung, Ralph D., Rosemead, Calif. Valve facing device. 2,406,570; Aug. 27.
- Spurlin, Harold M., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Resinate. 2,403,767; July 9.
- Spurlin, Harold M., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Resinate. 2,404,255; July 16.
- Square D Company, assignee: *See*—
Hauptman, Frederic F.
Korn, Arthur.
Weiller, Paul G.
- Squibb, E. R., & Sons, assignee: *See*—
Bashour, Joseph T.
Christiansen, Walter G., and Harris.
Holaday, Horace A.
Stavely, Homer E.
Lott, William A.
Lott, William A., Bergeim, and Losee.
Lott, William A., and Van Winkle.
Rugh, William L.
Wintersteiner, Oskar.
Wintersteiner, Oskar, and Ruigh.
- Squire, Robert C., assignor by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Roll V block support. 2,406,514; Aug. 27.
- Squire, Robert L., assignee, et al.: *See*—
Andrzejewski, Clara.
- Squier, William V., Flint, Mich. Variable pitch propeller. 2,392,341; Jan. 8.
- Squires, Fred H., Los Angeles, assignor to Western Plastics, Incorporated, Glendale, Calif. Boat loading device. 2,392,008; Jan. 29.
- Squires, Lombard, Westtown, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing ethylene polymers. 2,395,381; Feb. 19.
- Squires, Walter Jr., and P. T. Parker, Baton Rouge, La., assignors to Standard Oil Development Company. Coagulation process. 2,408,128; Sept. 24.
- Srere, Alfred A., Dayton, assignor to The Miami Valley Coated Paper Co., Franklin, Ohio. Liner coating composition. 2,413,007; Dec. 24.
- Stableford, John L., London, England. Roll-up screen. 2,395,303; Feb. 19.
- Stableford, John L., London, England. Portable projection screen. 2,395,304; Feb. 19.
- Stackhouse, Milroy G., Homewood, Ala. Baby play pen. 2,409,368; Oct. 29.
- Stackhouse, Wilton E., Springfield, Pa., assignor to The United Gas Improvement Company. Apparatus for filtering gas. 2,406,719; May 21.
- Stackhouse, Wilton E., Springfield, Pa., assignor to The United Gas Improvement Company. Method and apparatus for hydrogen sulfide determination. 2,413,261; Dec. 24.
- Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Fluid operated motor. 2,396,296; Mar. 12.
- Stacy, Thomas F., Piqua, Ohio, assignor to The French Oil Mill Machinery Company. Controlling valve for hydraulic motors. 2,398,811; Apr. 23.
- Stadelman, Frank, Cranford, assignor to Latendorf Conveying Corporation, Bayonne, N. J. Conveyor. 2,413,339; Dec. 31.
- Stader, Otto, Ardmore, Pa. Bone splint. 2,393,831; Jan. 29.
- Stadtfeld, Jacob A., assignor to H. A. Dutton, Jr., San Francisco, Calif. Hollow conduit and making the same. 2,394,818; Feb. 12.
- Staff, Charles E., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Preparation of diethers of the glycols. 2,397,514; Apr. 2.
- Stafford, Alfred E., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control means. 2,393,201; Jan. 15.
- Stafford, Alfred E., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Space discharge device. 2,404,803; July 30.
- Stafford Allen and Sons Limited, assignee: *See*—
Robinson, Robert, Cornforth, and West.
- Stafford, George S.: *See*—
Hurt, David M., Stafford, and Tauch.
- Stafford, James O.: *See*—
Kalister, Frank B., Stafford, and Konyvka.
- Stafford, Paris H.: *See*—
De Ganahl, Carl, Stafford, and Conlee.
- Staggs, Jesse D., Burbank, Calif. Float rod guide means. 2,397,383; Mar. 26.
- Stagmeier, Arthur F.: *See*—
Southwick, Charles A., Jr., and Stagmeier.
- Stagnaro, Henry A., assignee: *See*—
Delucchi, Anthony W.
- Stahl, Carl H.: *See*—
Appleton, Arthur I., and Stahl.
- Stahl, Elmer K., Meyersdale, Pa., F. W. Schulte, Cumberland, and W. J. Elwin, Frostburg, Md., assignors to Celanese Corporation of America. Textile apparatus. 2,398,473; Apr. 16.
- Stahly, Christian J., El Monte, Calif. Juice extractor. 2,406,479; Aug. 27.
- Stainbrook, Don M., Detroit, Mich. Gas burner. 2,400,030; May 7.
- Stair, Carlyle B., Downers Grove, Ill. Wrench. 2,405,462; Aug. 6.
- Stalcup, Clarence F., San Diego, Calif. Two-wheel jack. 2,393,955; Jan. 15.
- Staley, A. E., Manufacturing Co., assignee: *See*—
Brook, Frank H., and Smith.
Evans, Cyril D.
Fuller, Allen R.
Gill, Lowell O., and McDonald.
Hansen, Donald W.
Morgan, Willard L.
- Staley, Allen C., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Supercharger control apparatus. 2,404,323; July 16.
- Staley, Allen C., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Supercharger control apparatus. 2,404,324; July 16.
- Staley, Marcellus, Patchogue, N. Y. Electromagnet. 2,412,304; Dec. 10.
- Stalker, Edward A., Bay City, Mich. Aircraft. 2,392,419; Jan. 8.
- Stalker, Edward A., Bay City, Mich. Aircraft. 2,397,215; Mar. 26.
- Stalker, Edward A., Bay City, Mich. Aircraft. 2,403,133; July 2.
- Stalker, Edward A., Bay City, Mich. Axial blower. 2,405,768; Aug. 13.
- Stalker, Edward A., Bay City, Mich. Aircraft having boundary layer controlled wings. 2,406,923; Sept. 3.
- Stalker, Edward A., Bay City, Mich. Aircraft. 2,406,924; Sept. 3.
- Stalker, Edward A., Bay City, Mich. Wing with flap enclosing a blow-off means. 2,407,185; Sept. 3.
- Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,395,513; Feb. 26.
- Stalker, Edward A., Ann Arbor, Mich. Wings and other aerodynamic bodies. 2,406,916; Sept. 3.
- Stalker, Edward A., Ann Arbor, Mich. Wing. 2,406,917; Sept. 3.
- Stalker, Edward A., Ann Arbor, Mich. Wing. 2,406,918; Sept. 3.
- Stalker, Edward A., Ann Arbor, Mich. Control of aircraft. 2,406,919; Sept. 3.
- Stalker, Edward A., Ann Arbor, Mich. Wing. 2,406,920; Sept. 3.
- Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,406,921; Sept. 3.
- Stalker, Edward A., Ann Arbor, Mich. Wing. 2,406,922; Sept. 3.
- Stalker, Edward A., Ann Arbor, Mich. Rotary wing aircraft. 2,408,489; Oct. 1.
- Stallman, Ralph E., Oakland, Calif. Self-locking shaft lock. 2,397,703; Apr. 2.
- Stamatoff, Gelu S., Rutherford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of polyvinyl acetal resins. 2,400,957; May 28.
- Stamberger, Paul, Dover, Del. Production of thickened products from fatty acid esters. 2,403,408; July 2.
- Stamberger, Paul, Dover, Del. Adhesive. 2,407,038; Sept. 3.
- Stamberger, Paul, Philadelphia, R. K. Eskew, Glenside, and R. S. Hanslick, Philadelphia, Pa., assignors to United States of America, as represented by the Secretary of Agriculture. Treatment of rubber. 2,399,156; Apr. 23.
- Stanets, William K., assignee: *See*—
Hibbard, Robert L.
- Stamm, Benjamin I. J., New York, N. Y. Water heater and boiler. 2,408,820; Oct. 8.
- Stamm, Edward P., Portland, Oreg. Radial sawing mechanism. 2,393,940; Jan. 29.
- Stammbach, Walter, assignor to the firm J. R. Gelgy A. G., Basel, Switzerland. Manufacture of o-sulphobenzoic acids. 2,407,351; Sept. 10.

- Stammers, Douglas W., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Production of colored photographic images. 2,396,396; Mar. 12.
- Stampen, Olaf J.: *See*—
Blomberg, Martin P., and Stampen.
- Standcliffe, Carl W., Rochester, England. Apparatus for molding hollow concrete blocks. 2,394,943; Feb. 12.
- Stanco, Inc., assignee: *See*—
Littman, Edwin R., and Klotz.
McKim, Orville E.
- Standard Aircraft Products, Inc., assignee: *See*—
Early, Paul F.
- Standard Alcohol Company, assignee: *See*—
Patterson, John A.
- Standard Brands Incorporated, assignee: *See*—
Stokes, William E., and Kennedy.
- Standard Cabinet Works, Inc., assignee: *See*—
Bertschinger, Frederick E.
- Standard Cap and Seal Corporation, assignee: *See*—
Cowen, Tracy.
- Standard Car Truck Company, assignee: *See*—
Leese, Charles P.
- Standard Catalytic Company, assignee: *See*—
Lewis, Elton R., and Kead.
Miller, Pharis.
Peck, Edward B.
Redcay, Aaron K.
- Standard Corset Company, The, assignee: *See*—
Gagnon, Joseph X.
- Standard Electric Corporation, assignee: *See*—
Wolfson, Henry, and Shepard.
- Standard Electric Time Company, The, assignee: *See*—
Kenerson, Stanley M.
- Standard Forgings Corporation, assignee: *See*—
Cornell, Dana R.
- Standard Gas Equipment Corporation, assignee: *See*—
O'Dowd, Henry W.
- Standard-Knapp Corporation, assignee: *See*—
Wylie, Howard W.
- Standard Machinery Company, assignee: *See*—
Grosser, Christian E.
- Standard Oil Company, assignee: *See*—
Adams, Chester E.
Arveson, Maurice H.
Bahlke, William H., and Carpenter.
Baillie, James C., Heard, and Shankland.
Baillie, James C., and Shankland.
Brunstrum, Lawrence C., and Liehe.
Burk, Robert E., and Hughes.
Burney, Donald E., d'Ouville, and Hull.
Carmody, Don R.
Carmody, Don R., and Huber.
Dickinson, John T., and Moorman.
Dickinson, Norman L.
D'Ouville, Edmond L., and Evering.
D'Ouville, Edmond L., and Shoemaker.
Edmister, Wayne C., and Pollock.
Evering, Bernard L., d'Ouville, and Carmody.
Grubb, Henry M., and Tucker.
Gunness, Robert C., and Jewell.
Hull, Carl M., and d'Ouville.
Johnson, Everett A.
Kelso, Charles D., and Adams.
Krusse, Willard E., Nysewander, and Bolt.
Lemmon, Norman E., Bransky and Langan.
Liehe, Hubert J.
Lien, Arthur P.
Lien, Arthur P., and d'Ouville.
Lien, Arthur P., and Shoemaker.
Loane, Clarence M., and Watson.
Marschner, Robert F.
Marschner, Robert F., and Carmody.
Nysewander, Cecil W., and Fragen.
Rittschof, William L., and Proell.
Roberts, Edward N.
Rogers, Thomas H., and Wallace.
Rouault, George F., and Rhodes.
Schwartz, Murray L.
Shankland, Rodney V.
Sharp, Thomas E.
Shoemaker, Bernard H., and Evering.
Snuggs, John F.
Sparks, Joseph W.
Sutton, Mack, and Nysewander.
Thiele, Ernest W.
Thiele, Ernest W., Schmitkons, and Hull.
Wallace, Joseph S., and Sharp.
Watson, Roger W., and Gagnor.
White, Claron N., Schwartz, and Rouault.
- Standard Oil Company, The, assignee: *See*—
Bartleson, John D.
Bartleson, John D., and Veatch.
Burk, Robert E.
Burk, Robert E., and Hughes.
Burk, Robert E., and Kropp.
Evering, Bernard L., and d'Ouville.
Evering, Bernard L., and Lien.
Hibbard, Robert R.
Hughes, Everett C.
Hughes, Everett C., and Bartleson.
Musselman, John M.
- Standard Oil Company, The, assignee: *See*—Continued
Musselman, John M., and Lankelma.
Rudd, Kenneth H.
Seovill, Warner E., and Walsh.
Smith, Joseph B.
Svenson, Reuben A.
Voorhees, Vanderveer.
- Standard Oil Development Company, assignee: *See*—
Alspaugh, James C.
Anderson, James A., Jr.
Archibald, Francis M., and Mottern.
Asbury, Willard C., and Swaney.
Atkins, George T., Jr.
Baldeschwiler, Emile L., and Zimmer.
Bannon, John H., and Mims.
Blanding, Forrest H.
Blau, Ludwig W.
Boettger, Charles R., Jr., Chambers, and Slotterbeck.
Brandon, Richard C.
Brown, Cecil L.
Brown, John R., Jr., and Lightbown.
Buchan, Rudolph C.
Bunn, Charles H., Jr., and Schrader.
Camp, Elza Q., and Walsh.
Campbell, Donald L.
Carlsmith, Leonard E.
Chapman, Thomas S.
Cohen, Charles A.
Cone, John Hill.
Connolly, Gerald C.
Cummings, George H., Sweeney, and Fenske.
Davis, Garland H., B.
Davis, Garland H., B., Sweeney, and Herbst.
Davis, Garland H., B., and Zimmer.
Dayton, Herbert P.
De Verter, Paul L.
Donahue, John E., and Schrader.
Duncan, Gordon W.
Dutson, Keith J. F., Jr., and Smith.
Ellis, Carleton.
Evans, Hector C., and Young.
Fischer, Herbert G. M.
Franklin, Joe L., Jr.
Franklin, William B.
Frosch, Alex.
Gallay, Wilfred, and Puddington.
Gerbes, Otto.
Gilbert, George R.
Gleason, Anthony H.
Graybeal, Joseph W.
Green, Arthur D.
Hall, Homer J., and Munday.
Hall, Ike D.
Hamilton, J. P., and Jones.
Harper, Orvie D.
Harrington, Paul J.
Hart, John L.
Hastings, Sam H., and Turner.
Heigl, John J., and Wilson.
Hemminger, Charles E.
Hewlett, Amiot P.
Hill, Ralph M., and Codet.
Hill, Ralph M., and Watkins.
Hocott, Claude R.
Holder, Clinton H., and Welty.
Horecay, Joseph T., and Wadley.
Hulse, Stewart H.
Hunt, Ernest W.
Jahnig, Charles E.
Jones, Minor C. K., and Schumacher.
Kearby, Kenneth K.
Kellog, Henry B., and Reynolds, Jr.
Kellog, Henry B., and Sparks.
Knoth, Fred, Jr., and Pavlick.
Kohler, Henry F.
Kollenberg, Conrad H.
Kraus, Charles A., and Calfee.
Kuhl, Paul E.
Kuhl, Paul E., and Shepardson.
Kuhl, Paul E., and Welty.
Laughlin, Kenneth C.
Lieber, Eugene.
Lieber, Eugene, and Cashman.
Lieber, Eugene, and Thorne.
Linn, Norman F.
Lynch, Charles S., and Codet.
Macke, Robert A., and Zoeller.
Marancik, Joseph V., and MacClymont.
Marancik, Joseph V., and Mildrum.
Marsh, Nat H.
Martin, Henry G., Jr.
Martin, Homer Z.
Martin, Homer Z., Murphree, Gohr, and Graham.
Mason, Ralph B.
Mason, Ralph B., and Pierce.
McArdle, Edward H., and Robertson.
McCulloch, Thomas B.
McNab, John G., and Rogers.
McNab, John G., and Winning.
McNatt, Eugene M.
Meier, Herbert H.
Meinert, Richard N.
Meinert, Richard N., and Holt.

Standard Oil Development Company, assignee: *See*—Continued

Mikeska, Louis A.
Miller, Pharis, and Lieber.
Morrell, Charles E., Small, and McAteer.
Morway, Arnold J.
Morway, Arnold J., and Beerbower.
Munday, John C.
Murphree, Eger V.
Myers, Norval F.
Nelson, Joseph F., and Small.
Nicholson, Edward W. S., and Redcay.
Noble, Frank G.
Ogorzaly, Henry J.
Opryshek, Karl, and Chaffield.
Orr, Willis P.
Owen, John J.
Packie, John W., and Craft.
Palmer, Jewell S.
Patterson, John A.
Pierce, Jerry A., and Spicer.
Pierce, Jerry A., and Steele.
Powers, John M.
Reeves, Edward D.
Richard, Prescott L.
Richardson, Roger W.
Robertson, Anthony E.
Roethli, Bruno E.
Rogers, Dilworth T.
Rogers, Dilworth T., and Feldhusen.
Rogers, Dilworth T., and McNab.
Rosen, Raphael, and Slottebeck.
Rupp, Walter H., and Wright.
Salathiel, Richard A.
Scharmann, Walter G.
Scheeline, Harold W.
Schneider, Helmuth G., and Kane.
Schonberg, Jackson R., and Campbell.
Schonberg, Jackson R., and Moyer.
Schrader, Leo W.
Schurte, Henry G.
Sewell, Benjamin W.
Seyfried, Wilson D., and Hastings.
Shepardson, Robert M.
Shmidt, Albert J.
Showalter, Jere C.
Slottbeck, Ober C.
Smith, Winthrop C.
Sparks, William J., and Gleason.
Sparks, William J., and Thomas.
Sproule, Lorne W., and Zimmer.
Squires, Walter, Jr., and Parker.
Strines, Daniel E.
Stratford, Reginald K.
Summerford, Simpson D.
Sweeney, William J., Fenske, and Cummings.
Taggart, Millard S., Jr.
Tilton, Joshua A.
Tongberg, Carl O.
Tongberg, Carl O. and Hall.
Tyson, Charles W.
Vanderbilt, Byron M.
Vanderbilt, Byron M., and Howe.
Vanderbilt, Byron M., and Rose.
Van Gilder, Carl F., and Schneider.
Vesterdal, Hans G.
Voorhies, Alexis, Jr.
Wadley, Edward F.
Wadley, Edward F., and Horeczy.
Walsh, David C., Jr., and Camp.
Wasson, Jones I. and Duncan.
Wasson, Jones I., and Smith.
Waterman, Wendell W., and Parker.
Watkins, Charles H.
Watkins, Walter T., Jr.
Webber, William M.
Welty, Albert B., Jr.
Wilde, Henry D.
Williams, Milton.
Williams, Philip S.
Wilson, Samuel W.
Wilson, Warren C.
Winning, Carl, and McNab.
Wright, Donald L., and Bohmer.
Young, David W., and Hineine.
Young, David W., and Lieber.
Young, David W., and Peters.
Zimmer, John C., and Morway.

Standard Products Company, The, assignee: *See*—
Bascom, Roger C.
Cameron, William S.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Eckerman, Robert M., and Fisher.
Gulpin, Garth G.
Schlesinger, Edgar E.
Swann, James S.
West, Victor E.
Zeidler, Kurt E.

Standard Railway Equipment Manufacturing Co. (Canada) Limited, assignee: *See*—
Rudel, John M.

Standard Register Company, The, assignee: *See*—
Davidson, John T.
Metzner, Albert W.
Metzner, Albert W., and Gopperton.

Standard Rivet Company, The, assignee: *See*—
Wickens, Claude E.

Standard Stoker Company, Incorporated, assignee: *See*—
Surdy, Charles J.

Standard Stoker Company, Incorporated, The, assignee: *See*—
Graves, John R.
Martin, Eugene.

Standard Telephones and Cables Limited, assignee: *See*—
Chatterjee, Prafulla K., and Houghton.
Chatterjee, Prafulla K., Scully, and Ambrose.
Earp, Charles W.
Fremlin, John H.
Fremlin, John H., and Hall.
Goodchild, Frank D.
Haigh, Leslie B.
Hartley, George C., Lowry, and Bray.
Hartley, George C., McWhirter, and Handley.
Heaton-Armstrong, Louis J.
Levy, Maurice M.
McLellan, Harry E. S.
McWhirter, Eric M. S., and Dunn.
Rogers, Douglas C.
Weston, Jeffrey D.
Willoughby, Eric O.

Standard-Thomson Corporation, assignee: *See*—
Early, Paul F.

Standard Vendors, Inc., assignee: *See*—
Auerbach, Maurice J.
Stang, Con, Rozenann, Mont. Cloth abrasive holder. 2,401,116; May 28.

Stange, Ferdinand F.: *See*—
Cotchett, Louis M., Campbell, and Stange.
Cotchett, Louis M., Campbell, Stange, and Arterton.

Stannin, Theodore E.: *See*—
Dickey, Joseph B., Straley, and Stannin.

Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Making pressed metal water closets. 2,411,301; Nov. 19.

Stanley, Arthur M., Lynn, assignor to Stanley Engineering, Inc., Boston, Mass. Vehicle wheel. 2,403,690; July 9.

Stanley, Edmund: *See*—
Olpin, Henry C., Stanley, and Argyle.

Stanley Engineering, Inc., assignee: *See*—
Stanley, Arthur M.

Stanley, Herbert M., Tadworth, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of vinyl chloride. 2,407,039; Sept. 3.

Stanley, Joseph, Chicago, Ill., assignor to American Lecithin Company, Cleveland, Ohio. Making margarine. 2,402,690; June 25.

Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Rotary wing aircraft. 2,405,244; Aug. 6.

Stanley, Richard E.: *See*—
Conn, Alfred J., and Stanley.

Stanley, Richard W.: *See*—
McDermott, Henry J., and Stanley.

Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,396,297; Mar. 12.

Stanley, Richard W., Drexel Hill, and W. B. Lowe, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,403,031; July 2.

Stanley, Richard W., Drexel Hill, and W. B. Lowe, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Thread-advancing device. 2,404,005; July 16.

Stanley Steam Motors Corporation, assignee: *See*—
Doble, Abner.

Stanley, William G., New York, N. Y., and F. A. Leibe, Quakertown, Pa., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Telephone system. 2,395,916; Mar. 5.

Stanley Works, The, assignee: *See*—
Parsons, Stuart W.
Webster, John H.

Stanly, Albert L., Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif. Ketones in aviation gasoline. 2,398,197; Apr. 9.

Stanly, Albert L., and A. G. Cattaneo, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Motor fuels. 2,401,983; June 11.

Stanolind Oil and Gas Company, assignee: *See*—
Bays, George S.
Eisler, Joseph D., and Sharpe.
Farris, Riley F., and Clark.
Roper, Edwin E.
Silverman, Daniel.
Silverman, Daniel, and Gilmartin.
Stuart, Robert W., and Silverman.

Stanolind Pipe Line Company, assignee: *See*—
Cook, Fay V., and Polston.

Stansfield, Richard, Teddington, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Detecting and measuring torsional vibrations. 2,396,540; Mar. 12.

- Stant Manufacturing Company, assignee: *See—*
Lines, Carl H.
- Stanton, Arthur H., Jr.: *See—*
Noble, Le Isle D., Stanton, and Jergens.
- Stanton, Cornelius M.: *See—*
Vincent, William J., and Stanton.
- Stanton, Gladys P., administratrix: *See—*
Stanton, Warren F.
- Stanton, Robert J., Brooklyn, assignor to Induction Heating Corp., New York, N. Y. Induction heating apparatus. 2,394,944; Feb. 12.
- Stanton, Warren F., Pawtucket, R. I., assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y. Fuel mixture control. 2,408,104; Sept. 24.
- Stanton, Warren F., Pawtucket, R. I., assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y. Fuel mixture control. 2,408,348; Sept. 24.
- Stanton, Warren F., deceased, by G. P. Stanton, administratrix, Pawtucket, R. I., assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y. Fuel mixture control. 2,408,349; Sept. 24.
- Stants, Levi B., Abilene, Kans. Mechanism for applying bale ties. 2,411,424; Nov. 16.
- Staples, Dana H., Ridley Park, Pa., assignor to The Baldwin Locomotive Works. Locomotive control panel. 2,410,250; Oct. 29.
- Staples, Elliott E., Glen Gardner, and B. Gonella, North Bergen, N. J. Stamping die. 2,401,844; June 11.
- Staples, Otis E., Euclid, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Motor control. 2,395,591; Feb. 26.
- Stappling Machines Co., assignee: *See—*
Stivers, Earl R.
- Stark, Arthur M., Stamford, Conn. Extensible stand. 2,409,075; Oct. 8.
- Stark, Donald A.: *See—*
Hueber, Carl
- Stark, Fred J., and G. H. Stark, Peoria, Ill., assignors to F. J. Stark, G. H. Stark, R. M. Rutledge, and H. A. First, as trustees. Drying oils and preparation thereof. 2,399,697; May 7.
- Stark, Louis, assignee, et al.: *See—*
Hamel, William W.
- Stark, Rawson E.: *See—*
Stupakoff, Semon H., and Stark.
- Stark, Rawson E., Greensburg, Pa., assignor to Stupakoff Ceramic & Manufacturing Co. Activating conductor of the second class. 2,398,866; Apr. 23.
- Stark, William, and A. P. Gately, Wilmington, Calif., assignors to Todd Shipyards Corporation, New York, N. Y. Sand blasting apparatus. 2,409,722; Oct. 22.
- Starkey, William Carleton, assignor, by mesne assignments, to Fletcher Trust Company, Indianapolis, Ind., as trustee. Reversing clutch construction. Re. 22,767; June 11.
- Starkweather, Howard W.: *See—*
Caleott, William S., and Starkweather.
- Starnes, James R., Toronto, Ontario, Canada, assignor, by mesne assignments, to Nuzign Electric Limited. Interchangeable letter sign. Re. 22,801; Oct. 8.
- Starr, Hugh O., Steubenville, Ohio, assignor to National Steel Corporation. Bloomer wrench. 2,404,107; July 16.
- Starr, James H., La Grange, and E. A. Goodnow, Glenview, assignors to Electro-Chemical Engineering Corporation, Chicago, Ill. Instrument box. 2,404,757; July 23.
- Starr, Oscar L., Mission San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Piston ring and expander means therefor. 2,394,408; Feb. 5.
- Starr, Oscar L., Mission San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Piston. 2,402,213; July 18.
- Starrett, Howard A., U. S. Army. Storage tank. 2,408,105; Sept. 24.
- Starrett, L. S., Company, The, assignee: *See—*
Sisson, James G.
- Starrett, Theodore, Bloomington, San Francisco, Calif. Can opener. 2,396,806; Mar. 19.
- Start, Ernest: *See—*
Start, Harry W. and E.
- Start, Harry W., Carlton, and E. Start, Wilford, assignors to George Blackburn and Sons Limited, Nottingham, England. Straight-bar knitting machine. 2,396,445; Mar. 12.
- Stastney, Ladislav: *See—*
Sinclair, Albert L., and Stastney.
- State College of Washington Research Foundation, assignee: *See—*
Dana, Homer J., and Clarke.
- States, Marshall N., Evanston, assignor to R. C. Brown, Jr., Highland Park, Ill., trustee. Apparatus for making coffee. 2,403,691; July 9.
- Statham, Thomas R., Camp Claiborne, La., E. A. Koenig, Dallas, and C. F. Caldwell, Gregton, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Pump station control system. 2,397,443; Mar. 26.
- Stather-Dunn, Eustace, assignor to Betts & Company Limited, London, England. Manufacture of tin-plated lead collapsible tubes. 2,396,616; Mar. 12.
- Statia, Edwin V., Sr., Royal Oak, assignor of one-half to E. M. Chapman, Detroit, Mich. Radius to tangent compound angle dresser. 2,404,465; July 23.
- Statler, Walter H.: *See—*
Miller, Louis G., and Statler.
- Staub, Alfred: *See—*
Martin, Henry
- Staub, Charles R., assignor to Michigan Tool Company, Detroit, Mich. Gear shaving machine. 2,397,515; Apr. 2.
- Staud, Cyril J.: *See—*
Pierke, Scheuring S., and Staud.
- Staud, Cyril J., Rochester, N. Y. Tracing cloth. 2,409,990; Oct. 22.
- Staud, Cyril J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic material. 2,409,162; Oct. 8.
- Staub, Herman, Wyomissing, Pa., assignor to Textile Machine Works. Yarn carrier with replaceable yarn guide eyelet. 2,403,310; July 2.
- Staudy, Cyril J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic dry stripping material. 2,398,056; Apr. 9.
- Stauder, E. G., Manufacturing Company, assignee: *See—*
Stauder, Edwin G., and Fischer.
- Stauder, Edwin G., Minneapolis, Minn. Counter for flat articles. 2,394,945; Feb. 12.
- Stauder, Edwin G., Minneapolis, and P. E. Fischer, assignors to E. G. Stauder Manufacturing Company, St. Paul, Minn. Box making machine. 2,395,352; Feb. 19.
- Staudinger, Hanns P., Ewell, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of halogenated organic acids. 2,398,867; Apr. 23.
- Staudy, Cyril J., Ewell, and H. M. Hutchinson, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Treatment of plastic surfaces. 2,400,720; May 21.
- Stauffer, Warner and W. A., Minneapolis, Minn. Rest-stitching garment for infants. 2,404,108; July 16.
- Stauffer, Wilma A.: *See—*
Stauffer, Warner and W. A.
- Stauffer Chemical Company, assignee: *See—*
Brallier, Paul S.
Ross, Earl T., and Wilde.
Speelman, Max L.
- Stauffer, Lynn H., Pattersonville, N. Y., assignor to General Electric Company. Current collector. 2,408,262; Aug. 20.
- Stauffer, Robert E.: *See—*
Smith, William F., and Stauffer.
- Staunton, Le Roy W., and Evanston, W. Close, Lombard, and R. A. Hess, Chicago, assignors to Trimz Company Inc., Chicago, Ill. Wall covering and the like. 2,397,817; Apr. 2.
- Stava, Robert J.: *See—*
Goldfield, Edwin R., and Stava.
- Stavely, Homer B., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. 17-acetyl-17-hydroxy-perhydrocyclopentenophenanthrenes, anils, and oximes thereof, and preparing them. 2,411,172; Nov. 19.
- Steabner, Robert, Detroit, Mich. Internal-combustion engine. 2,404,543; July 23.
- Stearns, Lionel H.: *See—*
Andrews, Earle R.
- Stearns, Lionel H., and E. R. Andrews, Los Angeles, Calif. Fastening device. 2,408,153; Sept. 24.
- Stearn, Franklin A.: *See—*
Haigh, Leslie B., and Stearn.
- Stearn, Franklin A., Westfield, N. J., assignor to Federal Telephone & Radio Corporation. Drop signal with vibration lock. 2,408,106; Sept. 24.
- Stearns, Edison: *See—*
Armstrong, Frank, and Stearns.
- Stearns, Edwin L., Jr.: *See—*
Royer, George L., and Stearns, Jr.
- Stearns, Edwin L., Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Flickering beam spectrophotometer. 2,413,660; Dec. 31.
- Stearns, Edwin L., North Plainfield, and W. A. Shurcliff, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Camouflage detection. 2,402,780; June 25.
- Stearns, Horace M., Merrick, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic volume control. 2,408,821; Oct. 8.
- Stearns, Jason W., Worcester, Mass. Waterproof electric switch. 2,400,849; May 21.
- Stearns Manufacturing Company, assignee: *See—*
Schutt, Walter G.
- Statite Research Corporation, assignee: *See—*
Snyder, Christopher L.
- Stebbins, Alphonso: *See—*
Schreiber, Max, and Stebbins.
- Stechbart, Bruno, Park Ridge, assignor to The Bell & Howell Company, Chicago, Ill. Optical reticle. 2,393,832; Jan. 29.
- Stecher, Henry D., Lakewood, and J. N. Paquin, Euclid, assignors to The Weatherhead Company, Cleveland, Ohio. Copper brazing. 2,392,886; Jan. 15.

- Stecher, Joseph L. S.: *See—*
 Mitchell, Frederick C., Lawrence, and Stecher.
- Stedman, Theodore W., New York, N. Y., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reinforced tubing. 2,393,496; Jan. 22.
- Steel Heddle Manufacturing Company, assignee: *See—*
 Kaufman, John J., Jr.
- Steel Ingot Production, Inc., assignee: *See—*
 Lindemuth, Lewis B.
- Steel, John D., Fort Worth, Tex. Bomb sight. 2,401,521; June 4.
- Steel Processing Company, assignee: *See—*
 Urquhart, Norman J.
- Steel Products Engineering Company, The, assignee: *See—*
 Scholl, Clark.
- Steele, Clellie T.: *See—*
 Pierce, Jerry A., and Steele.
- Steele, Frederick I., Snyder, N. Y., assignor to Curtiss-Wright Corporation. Combined headrest and emergency parachute. 2,404,109; July 16.
- Steele, Lawrence B., Jr.: *See—*
 Clevenger, Clarence M., and Steele.
- Steele, Sydney, New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Storage compartment in shape of catenary. 2,397,762; Apr. 2.
- Steele, Sydney, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile rope-stacking apparatus. 2,403,311; July 2.
- Steen, S. E., assignee: *See—*
 Ellenberger, Stanley D.
- Steenberger, Charles, Point Pleasant, W. Va., assignor to Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Bandage package. 2,402,982; July 2.
- Steensprung, Christian, Schenectady, N. Y., assignor to General Electric Company. Compressor. 2,394,409; Feb. 5.
- Steeft, Walter H.: *See—*
 Lescher, George W., and Steeft.
- Steffen, Joseph A.: *See—*
 Nilles, Philip C., and Steffen.
- Stegeman, Raymond P. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Magnifier. 2,394,946; Feb. 12.
- Stegemeyer, Lou A., assignor to Emery Industries, Inc., Cincinnati, Ohio. Wax-like compounds. 2,393,202; Jan. 15.
- Stegemeyer, Lou A., assignor to Emery Industries, Inc., Cincinnati, Ohio. Production of primary amines. 2,408,959; Oct. 8.
- Stelle, Frank K., Philadelphia, Pa. Form for tying neckties. 2,412,480; Dec. 10.
- Stelger, Leonard W., Hackensack, assignor to Maywood Chemical Works, Maywood, N. J. Wire supporting device and gas generator for use therewith. 2,392,199; Jan. 1.
- Steiger, Hubert, Lock Haven, Pa., assignor to American Aniline Products, Inc., New York, N. Y. Sulphur dye-stuffs. 2,412,922; Dec. 17.
- Steigerwald, Joseph F.: *See—*
 Heintz, Ralph M., Steigerwald, and Cahill.
- Steigerwald, Libera L., Chicago, Ill. Infant's sleeping garment combination. 2,401,026; May 28.
- Stell, Wallace B., San Francisco, Calif. Ladder assembly. 2,398,812; Apr. 23.
- Steinen, Lawrence E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening pulling machine. 2,403,621; July 9.
- Stein, A., and Company, assignee: *See—*
 Bullinger, Conrad.
- Stein, Abraham: *See—*
 Silver, Albert L., and Stein.
- Stein, Frederick W.: *See—*
 Jones, Edwin M., and Stein.
- Stein, Frederick W., Atchison, Kans. Thermostatic switch. 2,406,443; Aug. 27.
- Stein, George W., Los Angeles, Calif. Necktie. 2,396,446; Mar. 12.
- Stein, Gerhard: *See—*
 Flemming, Walter, and Stein.
- Stein, Hall & Co., assignee: *See—*
 Bauer, Hans F., and J. V., and Hawley.
- Stein, Hall & Co., Inc., assignee: *See—*
 Bauer, Hans F., and Glabe.
- Stein, George V., and Goldfrank.
- Glabe, Elmer F.
- Griffin, Ira L., Truax, and Nuttall.
- Stein, John G., Chattanooga, Tenn. Loader. 2,399,698; May 7.
- Stein, Lewis: *See—*
 Meyer, Otto, and Stein.
- Stein, Samuel P., Ocean Grove, N. J. Wind-operated device for generating electricity. 2,403,564; July 9.
- Steinbach, Warner, Maplewood, N. J. Safety razor and blade magazine therefor. 2,410,311; Oct. 29.
- Steinback, Edmund A., assignee: *See—*
 Weyhing, August L.
- Steinberg, Fritz: *See—*
 Becker, Gottfried, Davies, and Steinberg.
- Steinberger, Harry J., and S. Sanders, Artesia, N. Mex. Swingable road sign. 2,409,076; Oct. 8.
- Steiner, Arnold B.: *See—*
 Clark, Donald E., Steiner, and Gibson.
- Steiner, Edward C., Fairlawn, N. J., assignor to Wright Aeronautical Corporation. Engine lubrication system. 2,393,833; Jan. 29.
- Steiner, Edward C., Oklahoma City, Okla., assignor to Wright Aeronautical Corporation. Engine lubrication system. 2,393,834; Jan. 29.
- Steiner, Herman L., assignor to Madison Manufacturing Company, Muskegon, Mich. Cutter. 2,408,891; Oct. 8.
- Steiner, Oscar, assignor to Graflex, Inc., Rochester, N. Y. Operating aerial cameras for making flashlight aerial photographs. 2,393,575; Jan. 22.
- Steingard, Arthur T., New York, N. Y. Carbon holder. 2,407,854; Sept. 17.
- Steinglass, Sam, assignee: *See—*
 Sklerov, Benjamin H., and Solinsky.
- Steinhauer, Fritz P., Chicago, Ill. Safety razor. 2,392,887; Jan. 15.
- Steinhauer, Fritz P., Chicago, Ill. Safety razor. 2,400,721; Mar. 21.
- Steinbiller, Berthold, assignor of two-fifths to G. L. Anger, Worcester, Mass. Belt sander. 2,407,939; Sept. 17.
- Steinhoff, John R., Washington, D. C. Apparatus for rapid diffusion finding. 2,392,420; Jan. 8.
- Steinman, Elanah H., assignee: *See—*
 Haff, Robert C.
- Steinmayer, Alwin G.: *See—*
 Schultz, William O., and Steinmayer.
- Steinmayer, Alwin G., assignor to Line Material Company, Milwaukee, Wis. Combined spark-gap and insulator. 2,392,342; Jan. 8.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Electromagnetic induction apparatus. 2,401,984; June 11.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Expulsion fuse. 2,409,077; Oct. 8.
- Steinmayer, Alwin G., and W. O. Schultz, South Milwaukee, assignors to Line Material Company, Milwaukee, Wis. Multiple circuit interrupter. 2,400,850; May 21.
- Steinmuller, Ralph E., assignor to Harry W. Dietert, Detroit, Mich. Sand rammer. 2,400,851; May 21.
- Steinruck, Konrad: *See—*
 Serini, Arthur, and Steinruck.
- Schoeller, Walter, Inhoffen, Steinruck, and Hoss.
- Steins, Carlton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Railway freight car. 2,399,950; May 7.
- Steins, Carlton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Stoker. 2,410,520; Nov. 5.
- Steins, Carlton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive. 2,413,119; Dec. 24.
- Steinwald, Otto J., Redwood City, Calif. Preparing fruit for marmalades, etc. 2,407,801; Sept. 17.
- Stellin, Dominic V., Bronx, N. Y. Socket head screw. 2,397,216; Mar. 26.
- Stellwagen, Frank W.: *See—*
 Doyle, Irving W., Nash, and Stellwagen.
- Stellwagen, Irving W., Detroit, Mich. Hydraulic braking system. 2,396,897; Mar. 19.
- Stelzer, William, Detroit, Mich. Hydraulic booster. 2,398,165; Apr. 9.
- Stelzer, William, Detroit, Mich. Aircraft. 2,404,544; July 23.
- Stelzer, William, East Orange, N. J. Booster brake mechanism. 2,401,892; June 11.
- Stelzer, William, East Orange, N. J. Brake booster. 2,404,932; July 30.
- Stelzer, William, East Orange, N. J. Hydraulic brake mechanism. 2,407,856; Sept. 17.
- Stenar Displays Company, assignee: *See—*
 Einzig, Henry.
- Stember, Bernard, Summit, N. J. Handbag. 2,399,898; May 7.
- Stempel, Edward, Los Angeles, Calif. Suspenders. 2,409,810; Oct. 22.
- Stempff, Frederick, Wellston, assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixture. 2,400,267; May 14.
- Stemming, Luis C.: *See—*
 Bligh, Norman R., Heller, Stenning, and Chubb.
- Stenographic Machines Inc., assignee: *See—*
 Johnson, Clarence W., Sterling, and Wright, M. H. and R. T.
- Wright, Milton H.
- Stenson, Olaf, Chicago, and R. A. Vinson, Naperville, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Material forming apparatus. 2,393,718; Jan. 29.
- Stenwall, Robert, Newaygo, assignor to Muskegon Piston Ring Company, Muskegon, Mich. Ring grinding machine. 2,397,298; Mar. 26.
- Stepan, Alfred C., Jr., Chicago, Ill. Dispensing apparatus. 2,402,707; June 25.
- Stephan, Fritz, Minneapolis, assignor to H. G. Benz, St. Paul, Minn. Charge forming system. 2,406,115; Aug. 20.
- Stephan, Ingo L., Delanco, N. J. Aircraft landing gear. 2,394,496; Feb. 5.

- Stephan, Ingo L., Delanco, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Cavity tuning device. 2,409,321; Oct. 15.
- Stephanoff, Nicholas N., Bryn Mawr, Pa., assignor to Thermo-Plastics Corporation, Camden, N. J. Method and apparatus for comminuting or drying materials. 2,392,866; Jan. 15.
- Stephanoff, Nicholas N., Bryn Mawr, Pa., assignor to Thermo-Plastics Corporation, Camden, N. J. Method and apparatus for dispersing or drying fluent material in high velocity elastic fluid jets. 2,413,420; Dec. 31.
- Stephens, Foster M., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Pulsation elimination in gas lines. 2,405,100; July 30.
- Stephens, George H., Glencoe, assignor to Hammond Instrument Company, Chicago, Ill. Variable condenser. 2,394,947; Feb. 12.
- Stephens, Henry N., White Bear, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Water dispersed rubber adhesive. 2,411,905; Dec. 3.
- Stephens, Henry N., White Bear, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Water-dispersed tacky rubber adhesive. 2,412,182; Dec. 3.
- Stephens, Henry N., G. B. Gehrenbeck, and D. R. Guthrie, White Bear Lake, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Chlorinated maleic anhydride adducts. 2,404,411; July 23.
- Stephens, Robert M., Winnipeg, Manitoba, Canada. Vacuum cup. 2,404,412; July 23.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic control valve. 2,392,421; Jan. 8.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic control valve. 2,392,422; Jan. 8.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic control system. 2,392,423; Jan. 8.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic accumulator. 2,401,845; June 11.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Servomotor and control thereof. 2,406,173; Aug. 20.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic press system. 2,407,855; Sept. 17.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Steering mechanism. 2,411,119; Nov. 12.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Full cycle hydraulic valve. 2,411,837; Nov. 26.
- Stephenson, James E., assignor to General Railway Signal Company, Rochester, N. Y. Railway switch circuit controller. 2,394,215; Feb. 5.
- Stephenson, Logan, assignee, et al.: See—Schuetz, Thomas J., and Turnquist.
- Stehenson, William B., Fond du Lac, Wis. Charcoal burner. 2,403,134; July 2.
- Sterk, Borivoj V.: See—Alessandrini, Hugh V., and Sterk.
- Sterling Drug Inc., assignee: See—Aneshansel, Carl W.
- Sahyun, Melville, and Faust.
- Waite, Ralph B.
- Sterling Engine Company, assignee: See—Ridgway, Joseph W.
- Sterling, Florence J., assignee: See—Weber, Peter H.
- Sterling, John G.: See—Johnson, Clarence W., Sterling, and Wright, M. H. and R. T.
- Sterling Tool Products Company, assignee: See—Crosby, Stephen A.
- Sterling Varnish Company, The, assignee: See—Alexander, Don F.
- Stern, Charles, Jersey City, N. J. Safety pressure relief valve. 2,392,009; Jan. 1.
- Stern, Harold H., assignee, et al.: See—Bassitt, Rudolph.
- Stern, Hilton S., Denver, Colo. Razor blade holder. 2,397,444; Mar. 26.
- Stern, Norman, Great Neck, assignor to Anchor Slide Fastener Corp., New York, N. Y. Machine for manufacturing slide fasteners. 2,396,447; Mar. 12.
- Stern, Raphael L.: See—Bouchard, Frederick J., Gunness, and Stern.
- Sternad, Frank S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire building machine. 2,395,020; Feb. 19.
- Sternberg, Heinz W.: See—Rostler, Fritz S., Sternberg, and du Pont.
- Sterne, Rita C., assignee, et al.: See—Du Bois, Joseph E.
- Sternier, Maurice A., Forest Hills, N. Y. Making blankets. 2,395,917; Mar. 5.
- Stertzbach, Harry W., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Side frame for railway car trucks. 2,406,862; Sept. 3.
- Stetson, John B., Company, assignee: See—Hodshon, Alfred E.
- Hodshon, Alfred E., and Tucker.
- Steuber, Charles H.: See—McCullough, Paul J., and Steuber.
- Steudel, George E., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Blast furnace tuyère. 2,394,497; Feb. 6.
- Steveman, Mark, London, England. Air preheater for furnaces and the like. 2,409,451; Oct. 15.
- Stevens, Arthur M., Methuen, Mass. Wool storage and transporting mechanism. 2,412,844; Dec. 17.
- Stevens, Arthur M., Methuen, Mass. Grapple fork. 2,412,845; Dec. 17.
- Stevens, Bruce E.: See—Majlinger, Anthony, and Stevens.
- Stevens, Bruce E., Demarest, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance device. 2,406,045; Aug. 20.
- Stevens, Charles, Wellston, Ohio. Flaw detector for sheet material. 2,392,010; Jan. 1.
- Stevens, Charles, Wellston, Ohio. Electrical inspection and sorting apparatus. 2,399,532; Apr. 30.
- Stevens, Clarence C.: See—Michelsen, Henry, and Stevens.
- Stevens, Clinton L., Jamestown, N. Y. Manufactured article of furniture. 2,407,940; Sept. 17.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Bucking bar control for riveting hammers. 2,411,561; Nov. 26.
- Stevens, George, Campbell, assignor of one-third to P. Parthenos, Youngstown, Ohio. Mason's guide. 2,407,883; Sept. 10.
- Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus (head setting). 2,393,504; Jan. 22.
- Stevens, John E., Silver Beach, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical connector. 2,410,691; Nov. 5.
- Stevens, Joseph R.: See—Keresztesy, John C., and Stevens.
- Stevens, Leslie, Glen Ridge, N. J. Manufacture of deposited paper products. 2,411,066; Nov. 12.
- Stevens, Nelson B., Woodhaven, assignor to Induction Heating Corp., New York, N. Y. Induction heating. 2,397,629; Apr. 2.
- Stevens, Richard H., Baltimore, Md., assignor to Bethlehem Steel Company. Oscillating rotary shear. 2,410,553; Nov. 5.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control mechanism. 2,396,448; Mar. 12.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,400,442; May 14.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,404,543; July 23.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,406,264; Aug. 20.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,413,360; Dec. 31.
- Stevens, Roy R., Forest Hills, and E. G. Erson, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control system. 2,395,202; Feb. 19.
- Stevens, Samuel S., Brookline, assignor to B. F. Sturtevant Company, Boston, Mass. Gas compressor station. 2,392,783; Jan. 8.
- Stevens, Stanley S., Cambridge, Mass., assignor to the United States of America, represented by the Executive Secretary of the Office of Scientific Research and Development. Earphone socket. 2,408,490; Oct. 1.
- Stevens, William G., Jr., Sykesville, Md. Method and apparatus for sizing and lubricating bullets. 2,403,032; July 2.
- Stevenson, Burt C., Bloomington, Ind. Form for the erection of rammed earth walls. 2,400,852; May 21.
- Stevenson Engineering Corporation, assignee: See—Stevenson, Robert.
- Walley, Herbert H., Jr.
- Stevenson, Halsey B., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Improving filaments of hydrolyzed olefin/vinyl organic ester interpolymers. 2,411,474; Nov. 19.
- Stevenson, Jordan & Harrison, Inc., assignee: See—Vang, Alfred.
- Stevenson, Lawrence J., Torrance, and L. L. Babcock, Compton, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Method and apparatus for flame hardening. 2,410,134; Oct. 29.
- Stevenson, Robert, Providence, R. I., assignor to Stevenson Engineering Corporation. Control for friction clutches. 2,393,835; Jan. 29.
- Stevenson, Robert, Providence, R. I., assignor to Stevenson Engineering Corporation. Variable pitch propeller. 2,412,923; Dec. 17.
- Stevenson, Wilbur W., Pittsburgh, Pa. Manhole guard. 2,393,126; Jan. 15.
- Stever, William: See—Diamond, Arthur R., and Stever.

- Stever, William, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Supporting head for abrasive disks. 2,402,691; June 25.
- Stevens, William, Philadelphia, Pa. assignor to The Budd Company, Philadelphia, Pa. Backing pad for abrasive disks. 2,409,163; Oct. 8.
- Steward, Douglas P., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Resilient car wheel. 2,396,029; Mar. 5.
- Steward, Wendell B., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Bridging plug. 2,399,766; May 7.
- Stewart, Alan; *See—*
Hinkle, Edward F., and Stewart.
- Stewart, Alexander, Mountain Lakes, N. J., and A. R. Pitrot, Hempstead, and L. M. Kebrich, Brooklyn, assignors to National Lead Company, New York, N. Y. Lead phthalates and preparing same. 2,412,784; Dec. 17.
- Stewart, Carlton D.; *See—*
Hines, Claude M., and Stewart.
- Stewart, Carlton D., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed differential detecting means. 2,395,203; Feb. 19.
- Stewart, Charles R., assignee; *See—*
Fullerton, Robert H.
- Stewart, Frederick William, Weston, W. Va., A. J. Reek, Carrick, Pa., and M. J. Kelly, assignors to Kelly Foundry and Machine Company, Elkins, W. Va. Apparatus for cooling molds. 2,402,708; June 25.
- Stewart, George E., Canal Winchester, Ohio, assignor to Curtiss-Wright Corporation. Safety locking device. 2,397,516; Apr. 2.
- Stewart, Hubert L., Edgewood, assignor to Koppers Company, Pittsburgh, Pa. Recovering pyridine bases. 2,410,906; Nov. 12.
- Stewart, James A., Cornwallis, Nova Scotia, Canada, assignor to American Optical Company, Southbridge, Mass. Lens inspecting and layout device. 2,413,198; Dec. 24.
- Stewart, James S., Portland, Oreg., assignor to Curved Plywood Products Co. Projectile case. 2,396,061; Mar. 5.
- Stewart, Kenneth D., Carleton, Mich. Weed extractor. 2,394,568; Feb. 12.
- Stewart, Meredith M., Beacon, N. Y., assignor to Iowa State College Research Foundation. Hydrogenation and dehydrogenation catalysts. 2,400,959; May 28.
- Stewart, Robert, and A. Ploger, assignors to Continental-Diamond Fibre Company, Newark, Del. Molded, tapered tube. 2,400,031; May 7.
- Stewart, Robert J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Temperature control for heat exchange units. 2,393,941; Jan. 29.
- Stewart, Robert J., assignor to Crown Cork & Seal Company, Baltimore, Md. Dust collector. 2,407,751; Sept. 17.
- Stewart, Robert J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for mixing and filling beverages. 2,408,107; Sept. 24.
- Stewart, Robert J., and H. R. Franz, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling apparatus and valve. 2,399,300; Apr. 30.
- Stewart, Ward W., Girard, Ohio. Slack controller. 2,403,135; July 2.
- Stewart-Warner Corporation, assignee; *See—*
Berg, Howard O.
Budane, Stanley J.
Davis, Ernest W.
Farr, Willard H., and Fagen.
Heymann, Seymour E.
Leslie, John H., II.
Malone, Homer F.
McCollum, Henry J. De N.
McCollum, Henry J. D. N., and Williams.
Norman, Horace M.
Parish, William C.
Pope, David M., and Spackman.
Schweistabl, Frederick G.
Spackman, Thomas F.
Walt, George T.
Wedberg, Reuben.
Whitted, John B.
Williams, Lynn A., Jr.
- Stewart, William M., Birmingham, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio. Sintering iron ore sludge. 2,412,104; Dec. 3.
- Stewart, Willis G.; *See—*
Tucker, Preston T., Stewart, and Tanner.
- Stickel, Carl A., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,402,787; June 25.
- Stiefel, Charles W., Jr., assignee; *See—*
De Villard, Jean F.
- Stiefel, Karl J., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Voltage regulator. 2,399,266; Apr. 30.
- Stieglitz, Albert, Berlin-Spandau, and B. Gärtner, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Arrangement for controlling the power of internal-combustion engines. 2,396,618; Mar. 12.
- Stieglitz, Henry M., assignor to Frank Adam Electric Company, St. Louis, Mo. Ring catch. 2,407,459; Sept. 10.
- Stiff, Ray C., Jr.; *See—*
Truax, Robert C., Stiff, Schubert, Patton, and Youngquist.
- Still, Abram C.; *See—*
Still, Thomas C. and A. C.
- Still, Thomas C., Glendale, and A. C., La Crescenta, Calif. Electrical connector. 2,392,485; Jan. 22.
- Stiller, Eric T., New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Racemic pantothenic acid derivatives thereof and preparing same. 2,396,477; Mar. 12.
- Stille, Walter P., Newcastle, Tex. Well drilling apparatus. 2,400,853; May 21.
- Stilwell, Glenn E.; *See—*
Kalmár, Arthur F., and Stilwell.
- Stilwell, Glenn E., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Box and lid stop. 2,397,217; Mar. 26.
- Stimpson, Edwin G.; *See—*
Weisberg, Samuel M., Stimpson, and Greenspan.
Weisberg, Samuel M., Stimpson, Greenspan, and Othmer.
- Stinson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Electrical measuring instrument. 2,411,010; Nov. 12.
- Stine, Carl A., Van Nuys, assignor to Turco Products, Inc., Los Angeles, Calif. Piston cleaning apparatus. 2,394,358; Feb. 5.
- Stinson, E. Aldan, and G. W. Borton, assignors to Pennsylvania Crusher Company, Philadelphia, Pa. Impactor. 2,411,302; Nov. 19.
- Stines, Daniel E., Plainfield, N. J., assignor to Standard Oil Development Company. Extraction method. 2,400,378; May 14.
- Stinson, Zetta, Clinton, Okla. Finger waving comb and curler. 2,401,117; May 28.
- Stirriss, Jacob D., New York, N. Y. Coin register bank. 2,392,424; Jan. 8.
- Stirriss, Jacob D., New York, N. Y. Forming apparatus. 2,394,819; Feb. 12.
- Stirn, Frank E.; *See—*
Lee, John W., and Stirn.
- Stirton, Robert I., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. High compression motor fuel. 2,413,262; Dec. 24.
- Stites, Joseph D., Chicago, Ill., assignor to American Isteq Steel Corporation, New York, N. Y. Reinforcement bar and making same. 2,405,274; Aug. 6.
- Stith, George C., Cheriton, Va. Weeder. 2,398,474; Apr. 16.
- Stivason, William L., Hamilton Square, assignor to The Whitehead Bros. Rubber Co., Trenton, N. J. Mandrel for forming enlarged vibration dampening elements in hose sections. 2,395,144; Feb. 19.
- Stivason, William L., Hamilton Square, N. J., assignor to Whitehead Bros. Rubber Company, Trenton, N. J. Flexible pipe coupling. 2,409,960; Oct. 8.
- Stivender, Edward H., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Remote control system. 2,392,425; Jan. 8.
- Stivender, Edward H., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Regulating system for dynamo-electric machines. 2,392,426; Jan. 8.
- Stivers, Earl R., Rockaway, N. J., assignor to Stapling Machines Co. Box. 2,405,463; Aug. 6.
- Stixrud, John L., Los Angeles, Calif. Shorthand typewriting machine. 2,408,452; Oct. 2.
- Stixrud, John L., Los Angeles, Calif. Shorthand typewriting machine. 2,408,453; Oct. 1.
- Stober, Kenneth E., Midland, Mich., assignor to The Dow Chemical Company. Filling containers with resinous foam. 2,409,910; Oct. 22.
- Stock, Charles R.; *See—*
Loukowsky, Serge A., and Stock.
- Stock, Harry P.; *See—*
Wilson, Harry P., Wilson, and Hefelfinger.
- Stocker, Clospan P.; *See—*
Huge, Henry M.
- Stocker, Oscar A.; *See—*
Freed, Meyer L., and Stocker.
- Stockfeld, Harry H., New York, N. Y. Selling control system and machine therefor. 2,398,677; Apr. 16.
- Stockham, Ward L.; *See—*
Akeyson, Swan M., and Stockham.
- Stockman, Irving, New York, N. Y., assignor to one-half to M. Schoenbrun. Simplified duplicating device. 2,411,475; Nov. 19.
- Stockpole Carbon Company, assignee; *See—*
Diehl, John F.
- Stoddard, Carl, Kimmswick, Mo. Airport. 2,404,933; July 30.
- Stoddard, Richard R., assignee; *See—*
Holmes, Paul J.
Marsh, Delos E.
- Stodola, Edwin K., Neptune, N. J. Electrical network. 2,397,992; Apr. 9.
- Stodola, Edwin K., Neptune, N. J., assignor to The Government of the United States of America, as represented by the Secretary of War. Receiver protection circuit. 2,397,167; Mar. 26.
- Stoehr, Walter H., Cheney, Kans. Soap container. 2,406,571; Aug. 27.

- Stofflet, Harry F., Allentown, Pa., assignor to Bethlehem Steel Company, Ingot hook. 2,404,802; July 23.
- Stokes, Charles C., Philadelphia, Pa. Material handling construction. 2,413,661; Dec. 31.
- Stokes, Edward A.: See—
Vokes, Cecil B., and Stokes.
- Stokes, Cecil G., and Stokes.
- Stokes, F. J., Machine Company, assignee: See—
Pfeilsticker, Carl S.
- Stokes, Jacob L., Scotch Plains, assignor to Merck & Co., Inc., Rahway, N. J. Bacterial processes. 2,406,174; Aug. 20.
- Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Slush tube. 2,408,892; Oct. 8.
- Stokes and Smith Company, assignee: See—
Bailey, Walter T.
- Stokes, William E., Garden City, and M. H. Kennedy, Bronx, assignors to Standard Brands Incorporated, New York, N. Y. Food product. 2,412,305; Dec. 10.
- Stolberg, Emil C.: See—
Evans, Morris S., and Stolberg.
- Stolberg, Sven A., assignor to Russell Electric Company, Chicago, Ill. Retaining washer and the like. 2,411,761; Nov. 26.
- Stoll, Arthur, R. Morf, and J. Peyer, Basel, assignors to the firm Sandoz Ltd., Fribourg, Switzerland. Aromatic cyclic acid amides and their manufacture. 2,401,522; June 4.
- Stoll, Henry C., Jackson Heights, N. Y. Grinding wheel dressing attachment. 2,394,948; Feb. 12.
- Stoll, Reinhold, Elgin, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lapping apparatus. 2,412,306; Dec. 10.
- Stoller, Hugh M.: See—
Morton, Edmund R., and Stoller.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed control for motors. 2,395,080; Feb. 19.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated. Pilot wave generator. 2,395,514; Feb. 26.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency detecting network. 2,395,515; Feb. 26.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed control system for electric motors. 2,395,517; Feb. 26.
- Stoltz, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mine locomotive. 2,412,657; Dec. 17.
- Stone, Albert R., Belair, Md. Power transmission system. 2,391,930; Jan. 1.
- Stone, Albert R., Anneslie, Md. Automatic firing means for gyro stabilized guns. 2,394,021; Feb. 5.
- Stone, Andrew J., New York, N. Y. Quick-freezing apparatus for food articles. 2,408,154; Sept. 24.
- Stone, Edmund J., New York, N. Y. Collapsible device. 2,409,452; Oct. 15.
- Stone, Ernest G., Denver, Colo. Livestock marking tool. 2,411,944; Dec. 3.
- Stone, J., and Company Limited, assignee: See—
Crotch, William A.
- Stone, Joseph E., South Euclid, Ohio, assignor to General Electric Company. Lamp filament connection. 2,404,992; July 30.
- Stone, Louis, assignee: See—
Bergesen, Junes.
- Stone, Ordell E., Lake Mills, Wis. Sanitary pipe washer. 2,408,240; Sept. 24.
- Stone, Paul, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Riveting tool. 2,402,303; June 18.
- Stone, Robert L.: See—
Nakken, Theodore H., and Stone.
- Stone, Roy A.: See—
North, Edwin W., and Stone.
- Stone, Spencer A., assignor to The Deister Concentrator Company, Fort Wayne, Ind. Flexible coupling. 2,398,261; Apr. 9.
- Stone, Wilfred S.: See—
Gray, John De W., and Stone.
- Stonemann, Alan C., Los Angeles, Calif. Manufacture of activated carbon. 2,402,304; June 18.
- Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Making chucks. 2,398,564; Apr. 16.
- Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Collect. 2,403,136; July 2.
- Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Double acting collet chuck. 2,403,768; July 9.
- Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Chuck release mechanism. 2,406,444; Aug. 27.
- Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Double-acting chuck. 2,413,421; Dec. 31.
- Stoner, Frank, Lakewood, assignor to The Baker-Rauland Company, Cleveland, Ohio. Controller. 2,405,769; Aug. 13.
- Stoner, Guy, Fort Dodge, Iowa. Brake latch. 2,399,835; May 7.
- Stoner-Mudge, Inc., assignee: See—
Young, George H.
- Stoner, Nancy F. and P. F., Indianapolis, Ind. Safety protector for shoes. 2,392,867; Jan. 15.
- Stoner, Preston F.: See—
Stoner, Nancy F. and P. F.
- Stoody Company, assignee: See—
Stoody, Shelley M., and Abos.
- Stoody, Shelley M., and R. L. Abos, assignors to Stoody Company, Whittier, Calif. Making precision castings. 2,392,510; Jan. 2.
- Stoody, Shelley M., and R. L. Abos, assignors to Stoody Company, Whittier, Calif. Machine for ramming up molds and the like. 2,401,198; May 28.
- Storck, William N., South Charleston, W. Va., and A. L. Wilson, Sharpshoe, Pa., assignors to Carbide and Carbon Chemicals Corporation. Antistatic treatment of vinyl resin articles. 2,403,960; July 16.
- Stopper, Charles A., Fairview, N. J., assignor to Diamond Paper and Box Co., Philadelphia, Pa. Portable carton. 2,400,443; May 14.
- Storch, Harold A., Fairview Village, Ohio. Molding apparatus. 2,410,312; Oct. 29.
- Storch, Max H., Belle Harbor, Long Island, N. Y. Fabricating articles of decorative plastic elements. 2,393,486; Jan. 22.
- Storch, Max H., Belle Harbor, Long Island, N. Y. Framing handbags. 2,393,487; Jan. 22.
- Storer, John E., Jr., Indianapolis, Ind., assignor to General Corporation, Detroit, Mich. Seal. 2,405,464; Aug. 6.
- Storey, Oliver W., trustee: See—
Bussey, William H.
- Storey, Q. W., & Associates, assignee: See—
Bussey, William H.
- Storm, Carl T., and L. H., Detroit, Mich. Motor vehicle identification tag holder. 2,396,757; Mar. 19.
- Storm, Christian G.: See—
Woodberry, John H., Storm, Barker, Miles, Brayton, and Seavey.
- Storm, Harry, Los Angeles, Calif. Electric lamp with two shades. 2,398,974; Apr. 23.
- Storm, Herbert F., West Allis, Wis., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Timing apparatus. 2,396,898; Mar. 19.
- Storm, Louise H.: See—
Storm, Carl T. and L. H.
- Storm Manufacturing Company, Inc., assignee: See—
Olsson, Olov J. E.
- Storrie, William, Rumford, R. I., assignor to Apco Mossberg Company. Torque screw driver. 2,394,022; Feb. 6.
- Stottin, Herbert J., Shaker Heights, Ohio. Lined carton. 2,407,802; Sept. 17.
- Stout Engineering Laboratories: See—
Smith, Frank M.
- Stout Houses, Incorporated, assignee: See—
Smith, Ward C.
- Stout, Raymond K.: See—
Paulus, Charles L., and Stout.
- Stout, William B., assignee, et al.: See—
Fischel, Adolph, and Stowe.
- Stover, Harry E., Leona, N. J., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,412,924; Dec. 17.
- Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation process. 2,407,584; Sept. 10.
- Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation process. 2,407,585; Sept. 10.
- Stowe, De Witt C., Stockton, Calif. Hydraulic transmission. 2,398,124; Apr. 9.
- Stowe, Harry P.: See—
Smith, Frank M.
- Stowe, Stephen C.: See—
Hooker, George W., Drake, and Stowe.
- Stowe, Vernon M., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Purification of aluminum hydrate. 2,405,275; Aug. 6.
- Stowell, Lyman C., Okla., R. I. Tenter chain link. 2,410,907; Nov. 12.
- Straat, Harold W., Irondequoit, assignor to Bausch & Lomb Company, Rochester, N. Y. Refractometer. 2,394,949; Feb. 12.
- Strahm, Allen D., Tulsa, Okla. Coffee maker. 2,400,613; May 21.
- Strahm, Gaylord E., Los Angeles, Calif. Honing tool. 2,403,409; July 2.
- Strabman, Herman, Sr., assignee: See—
Jaegle, William C.
- Straight, Merton T., Des Moines, Iowa. Wall construction. 2,411,477; Nov. 19.
- Strain, Alfred A., Miami, Fla. Golf bag carrier. 2,399,518; Apr. 30.
- Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of copolymers of monoethenoid compounds. 2,404,817; July 30.
- Strain, Franklin: See—
Muskat, Irving E., and Strain.

- Strain, Franklin, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Method of preparing esters. 2,392,621; Jan. 8.
- Strain, Franklin, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated carbamate. 2,397,631; Apr. 2.
- Strain, Franklin, Norton Center, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Dichloroformate preparation. 2,397,630; Apr. 2.
- Strain, Franklin, Norton Center, Ohio, A. G. Chenick, Elmhurst, Long Island, N. Y., and L. E. Muskat, Glenside, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Silicic acid esters. 2,394,642; Feb. 12.
- Straitz, John F., Philadelphia, Pa., assignor to National Airoil Burner Company, Incorporated. Intermittent periodic control. 2,402,460; June 18.
- Straley, James M.; *See*—
- Dickey, Joseph B., Straley, and Stanin.
- Strand, Steen; *See*—
- Thorp, Joel R., and Strand.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Hydraulic power lift. 2,394,117; Feb. 5.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plov bottom. 2,395,021; Feb. 19.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Hitch device. 2,403,410; July 2.
- Strang, Earl A., Waukegan, Ill. Coal stoker. 2,396,899; Mar. 19.
- Strang, John M., assignor to Barr & Stroud, Limited, Glasgow, Scotland. Range finder, height finder, and like optical measuring instrument. 2,394,340; Feb. 5.
- Strang, John M., Glasgow W. 3, Scotland, assignor to Barr & Stroud, Limited, Glasgow, Scotland. Range finder, height finder, and like optical measuring instruments. 2,394,880; Feb. 12.
- Strang, John M., and I. C. Bell, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Mechanism for the conversion of motion according to one law into motion according to another law. 2,398,198; Apr. 9.
- Strang, John M., and C. Foster, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Range finder, height finder, and like measuring instrument. 2,407,186; Sept. 3.
- Strang, John M., and C. Foster, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Range finder, height finder, and like optical measuring instrument. 2,407,187; Sept. 3.
- Strang, S. Bartow, administrator; *See*—
- Holmes, Ernest W.
- Strange, John P.; *See*—
- Xant, William P., Jacobson, and Strange.
- Strano, Sam; *See*—
- Jackes, Franklin R., and Strano.
- Stransky, Leo G., assignee; *See*—
- Engler, Fred E.
- Stratford, Charles W., Kansas City, Mo., and C. Bartolero, Oakland, Calif., assignors to Stratford Development Corporation. Centrifugal pump. 2,395,793; Feb. 26.
- Stratford Development Corporation, assignee; *See*—
- Stratford, Charles W., and Bartolero.
- Stratford, Reginald C., Corunna, Ontario, Canada, assignor to Standard Oil Development Company. Catalytic conversion of hydrocarbon oils. 2,396,758; Mar. 19.
- Stratos Corporation, assignee; *See*—
- Mercier, Pierre E.
- Stratton, Estel R.; *See*—
- Negovan, Albert, Stratton, and Roggie.
- Stratton, Frank E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening-inserting machine. 2,396,349; Mar. 12.
- Stratton, Michael G., Weston, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Electrostatic heating apparatus. 2,401,277; May 28.
- Straub, Fred A.; *See*—
- Ryan, Commodore D., Dempsey, Straub, and Tyler.
- Straub, Fritz, Kaiseraugst, near Basel, and J. Brassel, assignors to Society of Chemical Industry in Basel, Basel, Switzerland. Disazo and polyazo benzidine type dyestuffs. 2,404,198; July 16.
- Straub, Fritz, Kaiseraugst, near Basel, J. Brassel, and H. Mayer, assignors to the firm Society of Chemicals Industry in Basel, Basel, Switzerland. Trisazo metalizable dyestuffs. 2,408,961; Oct. 8.
- Straubel, James W., trustee, assignee; *See*—
- Straubel, Louis A., Sr.
- Straubel, Louis A., and J. W.
- Straubel, Louis A., Sr., assignor to J. W. Straubel, trustee, Green Bay, Wis. Creping machine. 2,409,997; Oct. 22.
- Straubel, Louis A., and J. W.; said L. A. Straubel assignor to J. W. Straubel, trustee, Green Bay, Wis. Creping machine. 2,410,189; Oct. 29.
- Straus, Walter K.; *See*—
- Goepfert, Otto R., Straus, and Clayton.
- Strauss Pasteners Inc., assignee; *See*—
- Firing, Osborne.
- Straussler, Nicholas, London, England. Propulsion device for amphibious vehicles. 2,398,057; Apr. 9.
- Strawn, Lynn R.; *See*—
- Grenko, John D., and Strawn.
- Stray, William J.; *See*—
- Leno, John A., and Stray.
- Strayer, Edward R., Oreland, Pa., assignor to The S. S. White Dental Manufacturing Company. Orthodontic implement. 2,396,619; Mar. 12.
- Strayer, Lawrence H., Kent, Ohio. Toy train coupler. 2,411,394; Nov. 19.
- Strecher Furniture Shops, Inc., assignee, et al.; *See*—
- Pope, David M., and Spackman.
- Strehel, Charles J., assignee, et al.; *See*—
- Piebanek, Leonard Z.
- Strech, Frederic, assignee; *See*—
- Myers, John A.
- Street, Donald T., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical prism system. 2,410,757; Nov. 5.
- Strick, Paul B., Maywood, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y. Continuous developing mechanism. 2,397,763; Apr. 2.
- Streit, Fred H., Chicago, Ill. Necktie suspension unit. 2,403,834; July 9.
- Struette, Maurice, Chicago, Ill., assignor to Industrial Patents Corporation. Making finely divided gelatin products. 2,392,297; Jan. 1.
- Strezynski, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Centrifuge separating bowl. 2,410,313; Oct. 29.
- Stribley, Arthur F., Jr.; *See*—
- Farkas, Adalbert, and Stribley.
- Strickland, Elizabeth D., assignor to Chemical Development Corporation, Dayton, Ohio. Packed tower. 2,398,023; Jan. 8.
- Strickland, Elwin M., Detroit, assignor of one-half to A. F. Wall, Grosse Pointe, Mich. Work holding fixture. 2,408,491; Oct. 1.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to Budd Incoction Heating, Inc., Philadelphia, Pa. Intermittent billet heating. 2,400,472; May 14.
- Strickland, Harold A., Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Portable welding gun. 2,400,479; May 14.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to Budd Wheel Company. Inductive heating apparatus. 2,400,660; May 21.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to Budd Wheel Company. Induction heating apparatus. 2,402,508; June 18.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to Budd Wheel Company. Apparatus for heat-treatment. 2,402,509; June 18.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to Budd Wheel Company. Induction furnace load control. 2,402,892; June 25.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Furnace heat indicator. 2,404,147; July 16.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Induction heating apparatus. 2,405,985; Aug. 20.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Heat treatment of plastics. 2,406,714; Aug. 27.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Uniform energy supply. 2,406,715; Aug. 27.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Electric furnace machine. 2,408,350; Sept. 24.
- Strickland, Royal F., Cleveland Heights, Ohio, assignor to General Electric Company. Basing for electric lamps and the like. 2,403,187; July 2.
- Strid, Carl J., La Canada, Calif., assignor to Adel Precision Products Corp. Emergency hand pump selector valve. 2,397,299; Mar. 26.
- Strid, Carl J., La Canada, Calif., assignor to Adel Precision Products Corp. Hydraulic pump. 2,404,547; July 23.
- Strid, Sven J., assignor to T & S Corporation, Chicago, Ill. Cotter pin construction. 2,400,960; May 28.
- Strike, George N., Los Angeles, Calif. Valve. 2,399,767; May 7.
- Strike, George N., Los Angeles, Calif. Boiler. 2,400,174; May 14.
- Striker, Henry O., Ypsilanti, Mich. Detachable luggage carrier. 2,401,388; June 4.
- Stringer, Freeman, Kansas City, Mo. Folding barricade stand. 2,392,011; Jan. 1.
- Stringham, Leonidas K., University Heights, assignor to The Lincoln Electric Company, Cleveland, Ohio. Apparatus for arc welding. 2,402,937; June 25.
- Stringham, Leonidas K., University Heights, assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 2,402,938; June 25.
- Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe. 2,394,725; Feb. 12.
- Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,398,475; Apr. 16.
- Stritter, Karl A., Nahant, Mass. Arch supporting shoe. 2,400,269; May 14.

- Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes. 2,404,546; July 23.
- Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes. 2,407,352; Sept. 10.
- Stroback, B. H., et al., assignee: See—
Sells, Gale Johnson, and Black.
- Strobel, Charles K.: See—
Eskin, Samuel G., and Strobel.
- Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety controls for gaseous fuel burners. 2,397,704; Apr. 2.
- Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Control system for fuel burners. 2,403,411; July 2.
- Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Control and ignition system for fuel burners. 2,406,925; Sept. 3.
- Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety control apparatus for fuel burners. 2,411,642; Nov. 26.
- Strobel, Charles K., Pittsburgh, Pa., and S. G. Eskin, Los Angeles, Calif., assignors to Robertshaw Thermostat Company, Youngwood, Pa. Ignition and safety control system for fuel burners. 2,408,412; July 2.
- Strobel, Howard M., Allegany, N. Y. Group impulsed high-frequency generator. 2,395,647; Feb. 26.
- Strobel, Howard M., Allegany, N. Y. Standing wave coupler. 2,409,991; Oct. 22.
- Strobel, Howard M., Allegany, N. Y. Traveling wave coupler. 2,409,992; Oct. 22.
- Strobell, John D., New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Liquid discharging device. 2,410,692; Nov. 5.
- Strobridge Lithographing Company, The, assignee: See—
Wathen, Ernest L.
- Strom, Charles F.: See—
Poulter, Thomas C., and Strom.
- Stromberg-Carlson Company, assignee: See—
Brauer, Howard H., and Knebel.
Goldberg, Harold, and Thompson.
Henderson, Kenneth L., and De Mers.
Litchford, William B., and Holmes.
Miller, Donald B.
Morris, Frank A.
Powell, Winfred T.
Reed, Leland A.
Vincent, Andrew W.
- Stromberg-Carlson Telephone Manufacturing Company, The, assignee: See—
Goldberg, Harold.
Slaymaker, Frank H.
- Strommen, Einar A., Jamaica, assignor to Dictograph Products Company, Inc., New York, N. Y. Fitting hearing aid devices. 2,394,569; Feb. 12.
- Strong, Jules Q., et al., assignee: See—
Mathieson, Colin W.
- Strong, Jules Q., Ladue, assignor of fifty-five per cent to C. W. Mathieson, Sedalia, Mo., and fifteen per cent to C. H. Lamphere, Denver, Colo. Shoe construction. 2,410,930; Nov. 5.
- Strong, Robert M., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,409,911; Oct. 22.
- Strong, Walter J., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Coupling expander. 2,394,341; Feb. 5.
- Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Indicator. 2,393,346; Jan. 22.
- Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Discharge device. 2,409,647; Oct. 22.
- Strother, Charles B., Cincinnati, assignor of one-half to L. H. Forster, Dayton, Ohio. Coding and decoding chart for cryptography. 2,413,592; Dec. 31.
- Stroud, William F., Humber Bay, assignor to Neptune Meters Limited, Long Branch, Ontario, Canada. Magnetic lock. 2,393,428; Jan. 22.
- Stroup, Philip T., and C. B. Willmore, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Metal recovery. 2,408,278; Sept. 24.
- Stroup, W. L., assignee: See—
McCure, Fred B.
- Strub, René, La Chaux-de-Fonds, Switzerland. Marine power plant. 2,405,676; Aug. 13.
- Structural Patents Corporation, assignee: See—
Lachman, Maurice and L. S.
- Structural Plane Parts, Inc., assignee: See—
Mirel, Arthur G.
- Struensee, Arthur E.: See—
Struensee, Louis C. and A. E.
- Struensee, Arthur E., Fond du Lac, Wis. Foldable bottle basket. 2,398,166; Apr. 23.
- Struensee, Louis C. and A. E., Oshkosh, Wis. Crop loader and unloader. 2,400,661; May 21.
- Strunk, George W.: See—
Fassiotti, Attiglio A., and Strunk.
- Struve, Walter, Mineola, N. Y. Blade sharpener. 2,392,784; Jan. 8.
- Stuart, Alfred H.: See—
Tallman, Ralph C., and Stuart.
- Stuart, Elizabeth R. B., assignee: See—
Stuart, Kimberly and Wilson.
- Stuart, Joseph, III, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Airplane. 2,397,632; Apr. 2.
- Stuart, Joseph, II, and K. Wassen, assignors to Hercules Powder Company, Wilmington, Del. Charging mechanism. 2,412,658; Dec. 17.
- Stuart, Kenneth E., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Electrolytic alkali halogen cells. 2,392,868; Jan. 15.
- Stuart, Kenneth E., Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Electrolytic alkali chlorine diaphragm cell. 2,409,912; Oct. 22.
- Stuart, Kimberly, Menasha, Wis., and A. B. Wilson, Evanston, Ill., said Wilson assignor, by mesne assignments, to E. R. B. Stuart, Menasha, Wis. Making combs. 2,393,347; Jan. 22.
- Stuart Oxygen Co., assignee: See—
McCabe, Bernard L.
- Stuart, Robert W., and D. Silverman, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Apparatus for electric well logging. 2,393,868; Apr. 23.
- Stubbins, William, assignor to D. P. J. Kelly, Toronto, Ontario, Canada. Advertising display device. 2,405,376; Aug. 6.
- Stubs, Harold V. G., near Towcester, assignor to The Plessey Company Limited, Ilford, England. Spark gap for use more particularly in high-frequency ignition systems for internal-combustion engines. 2,397,764; Apr. 2.
- Stuck, Harold D., Andover, and W. W. Bolton, North Andover, assignors to John W. Bolton & Sons, Inc., Lawrence, Mass. Jordan engine lining. 2,409,453; Oct. 15.
- Stucke, John, Philadelphia, Pa. Fuel manifolding means for radial engine engines. 2,395,918; Mar. 5.
- Studebaker Corporation, The, assignee: See—
Butzbach, Orville K.
Fowler, Bert F.
Greenlee, Harry R.
Johnson, Arthur C.
Wagner, Edward F.
- Studler, Aurele A., Los Angeles, Calif. Angle indicator and checking instrument. 2,406,515; Aug. 27.
- Stuellein, William H.: See—
Dickinson, Robert C., Stuellein, and Florschutz.
Stuewe, Herbert A., and
Cannon, Edward J., and Stuewe.
- Stuhlfauth, George: See—
Juvinall, James W., and Stuhlfauth.
King, John W., and Stuhlfauth.
- Stuhlfauth, George, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,394,881; Feb. 12.
- Stuhlman, Frank A., Forest Park, and C. O. Brustle, Rahway, N. J., assignors to Borg-Warner Corporation, Chicago, Ill. Safety control. 2,402,461; June 18.
- Stuhr, Joseph H., U. S. Navy. Striking bag support structure. 2,411,373; Nov. 19.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,393,719; Jan. 29.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool guiding fixture. 2,412,459; Dec. 10.
- Stuntz, Hans: See—
Bokorovy, Samuel A., and Stuntz.
- Stupakoff Ceramic & Manufacturing Co., assignee: See—
Stark, Edwin E.
- Stupakoff, Simon H.
Stupakoff, Simon H., and Stark.
- Stupakoff, Simon H., assignor to Stupakoff Ceramic & Manufacturing Co., Latrobe, Pa. Electric resistance element and operating the same. 2,397,445; Mar. 26.
- Stupakoff, Simon H., Latrobe, Pa., assignor to Stupakoff Ceramic & Manufacturing Co. Insulating seal. 2,402,927; June 25.
- Stupakoff, Simon H., assignor to Stupakoff Ceramic & Manufacturing Co., Latrobe, Pa. Machine for threading coil forms. 2,409,993; Oct. 22.
- Stupakoff, Simon H., assignor to Stupakoff Ceramic & Manufacturing Co., Latrobe, Pa. Production of fused articles. 2,412,925; Dec. 17.
- Stupakoff, Simon H., Latrobe, and R. E. Stark, Greensburg, assignors to Stupakoff Ceramic & Manufacturing Co., Latrobe, Pa. Lathe. 2,392,427; Jan. 8.
- Stupelli, Michael J.: See—
Hendel, Joseph A., and Stupelli.
- Sturbelle, Lucien C., New York, N. Y. Production of potassium chloride and magnesium. 2,394,570; Feb. 12.
- Sturbelle, Lucien C., New York, N. Y. Production of aluminum. 2,408,241; Sept. 24.
- Sturdy-Cage Projects, Inc., assignee: See—
Cage, John M.
- Sturdy, Leonard W., London, Ontario, Canada. Apparatus for forming can tops and lids. 2,413,591; Dec. 31.
- Sturgeon, John F., El Dorado, Ark., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,397,218; Mar. 26.

- Sturgess, Inc., assignee: *See*—
Cushman, Clifford B.
Sturgess, John, Cade and Savitz.
Sturgess, John, and J. W. Cade, La Canada, and C. W. Savitz, Norwalk, assignors to Sturgess, Inc., Glendale, Calif. Cable tension regulator. 2,405,377; Aug. 6.
- Sturgis, Bernard M.: *See*—
Neal, Arthur M., and Sturgis.
Sturgis Products Co., The, assignee: *See*—
Davidson, Leo R.
- Sturhahn, Roland E.: *See*—
Christensen, Niels P., and Sturhahn.
Sturm, Frederick W.: *See*—
Jauch, Robert J., Hinds, and Sturm.
Sturm, Milton, & Company, et al., assignee: *See*—
Burlin, Leslie H.
- Sturm, Milton L., et al., assignee: *See*—
Burlin, Leslie H.
- Sturtevant, E. F., Company, assignee: *See*—
Bentley, Oliver D. H.
Blanchard, Charles E.
Forre, Albert W.
Hagen, Harold F.
Koper, Charles H.
Lincoln, Roland L.
Stevens, Samuel S.
- Stuss, Jack: *See*—
Needham, Donald P., and Stuss.
- Stutsman, Paul W., Waltham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Gaseous electrical space discharge rectifying device. 2,405,033; July 2.
- Stutsman, Paul W., Waltham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electrical gaseous discharge device. 2,404,413; July 23.
- Stutz, Robert C., Buffalo, assignor to Niagara Blower Company, New York, N. Y. Apparatus for assembling flaps and the like. 2,403,466; July 9.
- Submarine Signal Company, assignee: *See*—
Barbour, Charles W., Jr.
Batchelder, Laurence.
Bates, Ralph E.
Beechly, John T.
Benioff, Hugo.
Clement, Ivan C.
Dallin, Edwin B.
Harrison, Bertram M.
Hart, Harold M.
Hart, Robert W.
Satterlee, Howard A.
Smith, Edward W.
Spillhaus, Athelstan F.
Turner, Edwin E., Jr.
White, Reaburn.
Williams, Robert L.
- Suchke, Frederick M., assignor to Pioneer Atlanta Company, Inc., Atlanta, Ga. Dent frame for looms. 2,398,965; Apr. 16.
- Suchy, Robert, and G. Messner, Bitterfeld, Germany; vested in the Alien Property Custodian. Cell for the production of metals by electrolysis of fused electrolytes. 2,407,691; Sept. 17.
- Sudduth, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,408,129; Sept. 24.
- Sudhoff, Roy W.: *See*—
Rosenquist, Edward N., and Sudhoff.
- Sudlow, Fred E., assignee: *See*—
Holsclaw, Neil.
- Sueflow, Alfred G., deceased, G. I. Hansen, executor, assignor to Felins Tying Machine Company, Milwaukee, Wis. Package compressor for tying machines. 2,402,692; June 25.
- Sueflow, Alfred G., deceased, G. I. Hansen, executor, assignor to Felins Tying Machine Company, Milwaukee, Wis. Vegetable washer. 2,412,430; Dec. 10.
- Sugar Creek Creamery Company, et al., assignee: *See*—
Lundal, Ingie J., and Robichaux.
- Suggs, Alfred M.: *See*—
Hensel, Franz R., Larsen, and Suggs.
Suhr, Henry B.: *See*—
May, Frank H., and Suhr.
- Suhr, Henry B., and E. B. Fitch, assignors to American Potash & Chemical Corporation, Trona, Calif. Treating solutions of sodium carbonate and sodium sulphate to increase the ratio of sodium carbonate to sodium sulphate. 2,392,888; Jan. 15.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Apparatus for electrothermic reactions. 2,399,604; May 7.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Current-limiting fuse. 2,408,351; Sept. 24.
- Sullivan, Alan P.: *See*—
Morgan, John D., and Sullivan.
- Sullivan, Alan P., Elizabeth, N. J., assignor to Cities Service Oil Company, New York, N. Y. Gas analyzer. 2,404,993; July 30.
- Sullivan, Alan P., Elizabeth, N. J., assignor to Cities Service Oil Company, New York, N. Y. Multiposition rotary switch. 2,411,478; Nov. 19.
- Sullivan, Andrew J., assignee: *See*—
Carlson, Frederick O.
- Sullivan, David J.: *See*—
Edgar, Donald E., and Sullivan.
- Sullivan, David J., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fuel container. 2,405,986; Aug. 20.
- Sullivan, Doris, San Francisco, Calif. Toy. 2,412,759; Dec. 17.
- Sullivan, Elizabeth J., assignor to Russell-Miller Milling Co., Minneapolis, Minn. Accelerated moisture conditioning and milling of grain. 2,413,472; Dec. 31.
- Sullivan, Daniel J., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Gob forming mechanism. 2,402,462; June 18.
- Sullivan, Francis M., North Bergen, N. J. Decolorizing oils and agents therefor. 2,408,454; Oct. 1.
- Sullivan, George C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Fastening device. 2,403,247; July 2.
- Sullivan, John J., Arlington, Mass., assignor of one-half to L. L. Witter, Boston, Mass. Pouring carton and blank. 2,403,138; July 2.
- Sullivan, John O., Sioux City, Iowa. Conveyer construction. 2,405,530; Aug. 6.
- Sullivan, Lee A., assignee: *See*—
Kahl, Charles N.
- Sullivan Machinery Company, assignee: *See*—
Baldwin, Clyde P., and Vanderzee.
Dean, Maxwell O.
Osgood, Charles F.
Paget, Win W.
Rice, Edward A.
Simmons, Leon E.
- Sullivan, Miles V., Washington, D. C., assignor, by mesne assignments, to William C. Clay. Novelty device. 2,402,463; July 2.
- Sullivan, Raymond H., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Dynamoelectric machine. 2,399,768; May 7.
- Sullivan, Thomas H., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun carriage. 2,413,367; Dec. 10.
- Sullivan, William A.: *See*—
Weiss, Frederick T., and Sullivan.
- Sulzer Frères, Société Anonyme, assignee: *See*—
Huber, Walter.
Kilchenmann, Walter.
Lieberherr, Hans.
Moessinger, Albert.
Traupel, Walter.
Zollikofer, Otto.
- Suman, Robert W., Chicago, Ill., assignor to Link-Belt Company. Trolley conveyer. 2,411,906; Dec. 3.
- Summerbell, William, Watervliet, N. Y. Breech block mechanism. 2,398,453; Apr. 16.
- Summerbell, William, Washington, D. C. Threadless retainer. 2,402,693; June 25.
- Summerfield, Martin: *See*—
Young, David A., and Summerfield.
- Summerfield, Martin, Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Jet propulsion motor. 2,405,465; Aug. 6.
- Summerfield, Martin, Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. System of jet propulsion. 2,406,926; Sept. 3.
- Summerfield, Martin, Pasadena, and D. A. Young, Arcadia, assignors to Aerojet Engineering Corporation, Azusa, Calif. Motor. 2,398,125; Apr. 9.
- Summerford, Simpson D., Baton Rouge, La., assignor to Standard Oil Development Company. Procedure for olefin dehydrogenation. 2,401,846; June 11.
- Summers, Claude M., Fort Wayne, Ind., assignor to General Electric Company. Synchronous motion transmission system. 2,402,928; June 25.
- Summers, J. Mills, Englewood, N. J., assignor to Camloc Fastener Corporation, New York, N. Y. Water and gas proof separable fastener. 2,395,695; Feb. 26.
- Summers, John W., Kelowna, British Columbia, Canada. Prop. 2,393,127; Jan. 15.
- Summers, Otto M., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Precision pressure measuring press. 2,399,404; Apr. 30.
- Summers, Otto M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Stress free stud. 2,407,536; Sept. 10.
- Summers, Thomas O., Jr., Los Angeles, Calif. Attitude-indicating flight instrument. 2,404,603; July 23.
- Summers, Thomas O., Jr., Los Angeles, Calif. Friction-actuated erecting mechanism. 2,412,481; Dec. 10.
- Sumner, George L., Jr.: *See*—
Berg, Lloyd, Sumner, and Montgomery.
- Sumpter, Walter P.: *See*—
Bieber, Clarence G., Franke, and Sumpter.
- Sun Chemical Corporation, assignee: *See*—
Langstroth, Theodore A.
Lipton, Morris.
Neuberg, Carl A., and Roberts.
Southard, Stanley H.
Zerner, Ernst, Davies, and Pollak.
Zerner, Ernst, and Kaplan.
Wekeman, Stephen N.

Sun Oil Company, assignee: *See*—
 Courtenay, William A., Jr.
 Johnson, Herbert L., and Perrine.
 Lipkin, Moses B.
 Perrine, John H.
 Winn, William E., and Dougherty.
 Sun Rubber Company, The, assignee: *See*—
 Kemphorn, David C.
 Sun Shipbuilding & Dry Dock Company, assignee: *See*—
 Howard, Cecil D.
 Sundback, Gideon, Meadville, Pa. Making slide fastener stringers. 2,410,135; Oct. 29.
 Sundby, Harold C., assignor of one-half to T. Y. Olsen, Philadelphia, Pa. Lighter. 2,413,473; Dec. 31.
 Sundell, Albert T., Chicago, Ill. Auxiliary power plant for airplanes. 2,395,919; Mar. 5.
 Sunstrand Machine Tool Co., assignee: *See*—
 Anderson, Ben H. T.
 Ericson, Alfred G., and Anderson.
 Wahlmark, Gunnar A.
 Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Typewriting machine. 2,394,950; Feb. 12.
 Sundstrom, Savin L.: *See*—
 Buttner, William C., and Sundstrom.
 Sundt, Vigo von K., assignor to Gisholt Machine Company, Madison, Wis. Apron feed change mechanism. 2,393,433; Feb. 26.
 Sundt, Vigo von K., assignor to Gisholt Machine Company, Madison, Wis. Stop rod index for lathes. 2,395,696; Feb. 26.
 Supack, Isidor, Bronx, N. Y. Roofing material. 2,404,994; July 30.
 Super, Ralph K.: *See*—
 Alden, Herbert W., Buckendale, and Super.
 Superdramatic Corporation, assignee: *See*—
 Hoffer, James F.
 Superheater Company, The, assignee: *See*—
 Griffin, Joseph E., and Rawson.
 McKee, Neal T.
 Ostermann, Rudolf M.
 Sarafin, Boris.
 Super Mold Corporation of California, assignee: *See*—
 Glynn, Edwin A.
 Super Tool Company, assignee: *See*—
 Brockner, Emil.
 Goldsmith, Thomas R.
 Superior Carbon Products Co., Inc., assignee: *See*—
 Wikle, Hugh H.
 Superior Funeral Supply Corporation, assignee: *See*—
 Lange, Morris, and Brockman.
 Superior Steel Corporation, assignee: *See*—
 Egan, Francis A.
 Frost, Frank R.
 Keene, Walter L.
 Supply Division, Inc., assignee: *See*—
 Clark, Thomas C.
 Surdy, Charles J., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Steam motive power. 2,408,701; Oct. 1.
 Surface Combustion Corporation, assignee: *See*—
 Beggs, Don.
 Cone, Carroll.
 De Coriolis, Ernest G.
 Hepburn, William M., and Owen.
 Turin, John J., and Peters.
 Suska, Charles R., Dayton, Ohio, and G. T. Downey, assignors to Aero Supply Mfr. Co., Inc., Corry, Pa. Lockable control device. 2,399,583; Apr. 30.
 Sussin, Victor: *See*—
 Sonne, Frederick T., and Sussin.
 Sussman, Sidney, Moorestown, N. J., assignor to The Permutit Company, New York, N. Y. Amination of amine-saccharide resins. 2,392,105; Jan. 1.
 Susswein, Samuel, assignor to E. P. Reed & Co., Rochester, N. Y. Box toe shoe construction. 2,394,216; Feb. 5.
 Sutcliffe, Harry L., assignor to H. B. Delman, New York, N. Y. Article of footwear. 2,395,767; Feb. 26.
 Sutcliffe, Peter, Jr., Birtle, Manitoba, Canada. Grain spring for blenders. 2,393,836; Jan. 29.
 Suter, Henry, assignor of one-fourth to W. Ockrant, Cincinnati, Ohio. Velocity measuring system. 2,402,464; June 18.
 Suter, Henry, assignor of one-fourth to W. Ockrant, Cincinnati, Ohio. Frequency control. 2,413,263; Dec. 24.
 Sutherland, Charles A. R.: *See*—
 Shakesby, Leonard, Sutherland, and Smith.
 Sutherland Paper Company, assignee: *See*—
 Annen, James E.
 Buttery, Kenneth T.
 Sutherland, Richard V., Palatine, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y. Photographic printing mechanism. 2,402,929; June 25.
 Sutter, Paul: *See*—
 Holbro, Theodor, Kern, and Sutter.
 Sutterfield, Noel H.: *See*—
 Powers, Milton A., and Sutterfield.
 Suttles, Omar, Los Angeles, Calif. Cooking utensil. 2,411,345; Nov. 19.
 Sutton, Bernard G., Algonac, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,412,232; Dec. 10.

Sutton Engineering Company, assignee: *See*—
 Sutton, John B.
 Sutton, Frank, assignor to Saunders Valve Company Limited, Cwmbran, England. Fluid controlling valve. 2,412,105; Dec. 3.
 Sutton, Harry A., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Turret construction. 2,392,106; Jan. 1.
 Sutton, Henry M., deceased, by F. E. Wood, executor, assignor to Sutton, Steele & Steele, Incorporated, Dallas, Tex. Method and apparatus for removal of heavy objectionable material from cereals, legumes, and other food products. 2,404,414; July 23.
 Sutton, John B., Bellefonte, assignor to Sutton Engineering Company, Pittsburgh, Pa. Round straightener. 2,411,395; Nov. 19.
 Sutton, John C., assignor to The Brearley Company, Rockford, Ill. Bathroom scale weight adjustment. 2,405,619; Aug. 13.
 Sutton, Mark, Hammond, and C. W. Nysewander, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Aluminum halide hydrocarbon conversion system. 2,395,022; Feb. 19.
 Sutton, Otis B., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,405,169; Aug. 6.
 Sutton, Steele & Steele, Incorporated, assignee: *See*—
 Sutton, Henry M.
 Sutton, Walter C., Shaker Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Method and apparatus for grinding plane surfaces. 2,402,305; June 18.
 Sutton, William S., Rockford, Ill. Burner. 2,407,183; Sept. 3.
 Suyat, Sofronio M., Santa Monica, Calif. Toy. 2,400,175; May 14.
 Suydam, Joseph W., Blue Point, N. Y. Electric motor. 2,402,214; June 18.
 Svartz, James A.: *See*—
 Askofol, Eric E. A., Svartz, and Willstaedt.
 Sveda, Michael, Clifton, N. J. Ice cutter. 2,397,571; Apr. 2.
 Svenska Aktiebolaget Bromsregulator, assignee: *See*—
 Brownell, Bert H.
 Svenska Cellulosa Aktiebolaget, assignee: *See*—
 Ormell, Ernst A. I.
 Svenska Diamantbergborrnings Aktiebolaget, assignee: *See*—
 Lidén, Axel, and Malmberg.
 Svenska Jäsnfabriks Aktiebolaget, assignee: *See*—
 Rosenqvist, Sven O.
 Svenson, Ernest J., Rockford, assignor, by mesne assignments, to Odlin Corporation, Chicago, Ill. Material working apparatus. 2,395,518; Feb. 26.
 Svensson, Rolf A.: *See*—
 Root, Helge F., Claesson, and Svensson.
 Svete, Edward M., North Chicago, Ill. Piston. 2,394,269; Feb. 5.
 Svirsky, Bennett, Glendale, Calif. Antisiphoning refill tube. 2,412,727; Feb. 26.
 Svirsky, Bennett, Glendale, Calif., assignor to Research Developing Associates, Inc., Holyoke, Mass. Water control for toilet tanks. 2,412,760; Dec. 17.
 Svoboda, Antonin, Forest Hills, N. Y. Spring device. 2,395,768; Feb. 26.
 Svoboda, Ralph E., assignee: *See*—
 Vogl, Walter W.
 Swahn, Gudrun E., assignee: *See*—
 Bakke, Robert.
 Swain, Frank E., Ewell, England. Flexible pipe. 2,394,270; Feb. 5.
 Swallow, William D., assignor of two-thirds to H. E. and G. S. Pelton, Los Angeles, Calif. Torsional vibratory electric motor. 2,413,340; Dec. 31.
 Swann, David, and J. M. Calhoun, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilization of nitrocellulose film base. 2,407,209; Sept. 3.
 Swan-Finch Oil Corporation, assignee: *See*—
 Hartwig, Carl E., and Roehrenbeck.
 Swan, Harry L., Brinkley, Ark. Hypodermic needle case. 2,400,742; Mar. 21.
 Swan, Kenneth C., and N. G. White, Iowa City, Iowa. Choline-like compounds. 2,408,893; Oct. 8.
 Swaney, C. Barnett, assignee, et al.: *See*—
 Swaney, Robert C.
 Swaney, Laura B., guardian, assignee: *See*—
 Swaney, Robert C.
 Swaney, Mary J., assignee, et al.: *See*—
 Swaney, Robert C.
 Swaney, Miller W.: *See*—
 Asbury, Willard C., and Swaney.
 Swaney, Robert C., assignor of one-fourth to L. B. Swaney, one-fourth to L. B. Swaney as guardian of C. B. Swaney, one-fourth to L. B. Swaney as guardian of M. J. Swaney, Newton, Mass. Tractor crane. 2,413,529; Dec. 31.
 Swank, Mary E., New York, N. Y. Bottle holder. 2,397,059; Mar. 19.
 Swann, Edward R., Floral Park, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,409,078; Oct. 8.
 Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car wall. 2,403,467; July 9.

- Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Paneled steel roof. 2,406,863; Sept. 3.
- Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car roof structure. 2,409,079; Oct. 8.
- Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Coupler operating mechanism. 2,409,322; Oct. 15.
- Swanson, Arthur H., Lafayette Hill, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,413,120; Dec. 24.
- Swanson, Earl C., assignor to Andersen Corporation, Bayport, Minn. Sash pulley and mounting therefor. 2,396,213; Mar. 5.
- Swanson, Edwin C.: *See*—
Abramson, John H., and Swanson.
- Swanson, Edwin C., and C. O. R. Rudeen, assignors to Greenlee Bros. & Co., Rockford, Ill. Recess tool for trenails and dowels. 2,394,726; Feb. 12.
- Swanson, Gunnar E., New Britain, Conn. Cylinder lock. 2,405,911; Aug. 13.
- Swanson, Joseph O., Jackson County, Mo. Clothes line post. 2,399,070; Apr. 23.
- Swanson, Mark, Washington, D. C. Luminescent material and preparing the same. 2,396,298; Mar. 12.
- Swanson, Nils E., New York, N. Y., assignor to General Motors Corporation, Detroit, Mich. Riveting machine. 2,393,720; Jan. 29.
- Swanson, Nils H., Zion, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Punching apparatus. 2,398,476; Apr. 16.
- Swanson, Rudolph E., Riverside, R. I., assignor to Inlaid Optical Corporation. Detachable sweat band for eyeglasses. 2,393,837; Feb. 29.
- Swanson, Victor T., assignor to Wire Machinery Corporation of America, Incorporated, New Haven, Conn. Prestressing cable. 2,398,975; Apr. 23.
- Swart, Jay N., Woodbury, Conn., assignor to The Bristol Company, Waterbury, Conn. Telemetric apparatus. 2,405,801; Aug. 13.
- Swart, Leland K., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protection of communication circuit elements. 2,403,468; July 9.
- Swart, Richard H., Royal Oak, Mich. Refrigerating apparatus. 2,398,262; Apr. 9.
- Swarthmore National Bank and Trust Company, administrator: *See*—
Prall, Harry B.
- Swartwood, Claude N.: *See*—
McMullen John and J. F. and Swartwood.
- Swartz, Edward, Belmont, Mass. Method of and apparatus for dissolving salt. 2,412,106; Dec. 3.
- Swartz, James J.: *See*—
Sloan, William E., and Swartz.
- Swartz, Milton D., Baltimore, and K. N. Yellott, Cockeysville, assignors to Farboil Paint Company, Inc., Baltimore, Md. Manufacturing electrical components having a knitted protective jacket. 2,391,931; Jan. 1.
- Swartzbaugh Manufacturing Company, The, assignee: *See*—
Baunach, Roy J.
- Swartzel, Karl D.: *See*—
Caughey, William K., and Swartzel.
- Swartzel, Karl D., Jr.: *See*—
Och, Henry G., and Swartzel.
- Swartzel, Karl D., Jr., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Summing amplifier. 2,401,779; June 11.
- Swasey, David L., Taunton, Mass., assignor to Electric Boat Company, Groton, Conn. Camouflage net. 2,402,709; June 25.
- Swasey, Edward S., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Portable play pen for children. 2,409,598; Oct. 15.
- Sweargin, Mildred, Washington, D. C. Book rack. 2,402,930; June 25.
- Swebilius, Carl G., assignor to The High Standard Manufacturing Company, Hamden, Conn. Belt-holding pawls for machine guns. 2,392,012; Jan. 1.
- Swebilius, Carl G., assignor to The High Standard Manufacturing Company, Hamden, Conn. Sear-actuating means for machine guns. 2,395,023; Feb. 19.
- Swebilius, Carl G., assignor to The High Standard Manufacturing Company, Hamden, Conn. Extractor-switch mechanism for machine guns. 2,404,325; July 16.
- Sweeney, Floyd D., Fresno, Calif. Fishing lure. 2,402,553; June 25.
- Sweeney, James, Detroit, Mich. Nonskid chain. 2,403,312; July 2.
- Sweeney, Joseph L., Jackson Heights, N. Y. Shorthand typewriting machine. 2,399,769; May 7.
- Sweeney, William J.: *See*—
Cummings, George H., Sweeney, and Fenske.
- Davis, Garland H. B., Sweeney, and Herbst.
- Sweeney, William J., Elizabeth, N. J., and M. R. Fenske and G. H. Cummings, State College, Pa., assignors of one-half to Standard Oil Development Company and one-half to Rohm & Haas Company. Refining hydrocarbon oils. 2,396,299. Mar. 12.
- Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Direct reading densitometer. 2,406,716; Aug. 27.
- Swengel, Robert C., assignor to Aircraft-Marine Products, Inc., Hartsburg, Pa. Tool. 2,411,538; Nov. 26.
- Swenson, Benjamin A.: *See*—
Carlson, Raymond A., and Swennes.
- Swennes, Benjamin A., Rockford, Ill., and L. E. Shelton, Kalamazoo, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Mounting for automotive motor and transmission assembly. 2,413,264; Dec. 24.
- Swensen, Albert D., Washington, D. C. Rubber seal aging testing apparatus and method. 2,412,638; Dec. 17.
- Swensen, Albert D., Washington, D. C., and K. D. Williams, J. U. S. Navy. Article supporting apparatus. 2,411,174; Nov. 19.
- Swenson, Carl E., and A. Y. Dodge, Rockford, Ill. One-way clutch and bearing. 2,408,962; Oct. 8.
- Swenson, Edward R.: *See*—
Puls, Alfred E., and Swenson.
- Swenson, Harvey F., Seattle, Wash. Control of saw-blade tension in band-saw machines. 2,395,237; Feb. 19.
- Swenson, Joseph W., Summit, N. J., assignor to The Roperoid Corporation, New York, N. Y. Tool for cutting asbestos-cement board or the like. 2,395,978; Mar. 5.
- Swenson, Reuben A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Greases. 2,413,121; Dec. 24.
- Swenson, Reuben A., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Greases. 2,413,122; Dec. 24.
- Swerdlow, Will: *See*—
Gorin, Manuel H., and Swerdlow.
- Svern, Daniel: *See*—
Wells, Percy A., and Svern.
- Svern, Daniel, Philadelphia, Pa., assignor to United States of America, as represented by The Secretary of Agriculture. 9,10-epoxyoctadecanol and its preparation. 2,411,762; Nov. 26.
- Sweszy, Burdette S., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal enciphering key tape producing device. 2,406,046; Aug. 20.
- Swiatecka, Rosa, administratrix: *See*—
Swiatecki, Wladyslaw.
- Swiatecki, Wladyslaw, Blackpool, England, deceased, Ross Swiatecki, administratrix. Device for releasing heavy objects, particularly for dropping bombs from aircraft. 2,394,571; Feb. 12.
- Swift, Clifford L.: *See*—
Carnagua, Harold E., and Swift.
- Swift, Frank H., Portland, Ore., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic barker for slabs. 2,413,341; Dec. 31.
- Swift, George W., Jr., Inc., assignee: *See*—
Bruker, Robert W.
- Swift, Willard E., Jr., Worcester, Mass. Torque amplifier. Re. 22,779; Aug. 13.
- Swift, Willard E., Jr., Worcester, Mass. Combined periscope-telescope. 2,392,428; Jan. 8.
- Swift, Willard E., Jr., Worcester, Mass. Protection against bullet spatter. 2,406,047; Aug. 20.
- Swinehart, Frank, Medina, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric device. 2,393,429; Jan. 22.
- Swinehart, Oscar E., assignor to The Martin Band Instrument Company, Elkhardt, Ind. Valve actuator for cornets, trumpets, and like instruments. 2,404,818; July 30.
- Swingle, Arthro W., Schenectady, G. H. Pettibone, Scotia, and J. E. Dill, Schenectady, N. Y., assignors to General Electric Company. Control system. 2,411,763; Nov. 26.
- Swinnertons Limited, assignee: *See*—
Bloor, Robert B.
- Swisher, Thomas H., Elmhurst, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Gun-training apparatus. 2,398,813; Apr. 23.
- Swiss firm of Society of Chemical Industry in Basle, assignee: *See*—
Albrecht, Otto.
- Gräenacher, Charles, Frei, and Meyer.
- Switchboard and Supply Company, et al., assignee: *See*—
Geraty, Paul C.
- Switlik, Stanley, assignee: *See*—
St. Clair, Milton H.
- Switzer, Joseph L., assignee, et al.: *See*—
Ward, Richard A.
- Switzer, Robert C., assignee, et al.: *See*—
Ward, Richard A.
- Switzer, Robert M., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Evaporation process. 2,394,643; Feb. 12.
- Swonk, Ralph J., assignee, et al.: *See*—
Tiffany, Frank E.
- Swope, Joe E., Jr., Rochester, A. F. Turner, Brighton, and O. A. Ullrich, Jr., assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for forming evaporated films. 2,403,199; July 2.
- Sykes, John, assignor to Enfield Rolling Mills Limited, Enfield, England. Copper base alloys. 2,405,531; Aug. 6.
- Sykes, Roger A., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,392,429; Jan. 8.

Sylvania Electric Products Inc., assignee: *See—*

Biggs, Orrick H., and Heins.
Bowie, Robert M.
Brown, Robert H.
Burns, Laurence
Byerley, Henry L.
Demb, Kenneth, and Hayes.
Kilduff, John W., and Maurette.
Kingston, Walter E.
Kiser, Darwin R.
Leyshon, William E.
Lowry, Edwin F., and Rogers.
McCarthy, Henry J.
Mueller, William P.
Mueller, William P., and Burroughs.
Peacock, Arnold L.
Rochester, Nathaniel.
Scholes, Addison B., and Bratt.
Thomas, Ralph B.
Toorks, William P.
Williams, Ralph H.

Sylvania Industrial Corporation, assignee: *See—*

Clark, James A.
Reichel, Frank H.
Reichel, Frank H., and Craver.
Reichel, Frank H., and Russell.
Smidth, Leonard.
Thomas, Ralph B.
Zender, Just

Sylvanus, August R., San Bruno, Calif. Venetian blind. 2,397,765; Apr. 2.

Symmes, Daniel D., West Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Method and apparatus for lapping dies. 2,411,304; Nov. 19.

Symonds, Edward L., assignee, et al.: *See—*

Neumann, Henry T.
Symonds, Sydney, Harrow, England. Shock absorber. 2,398,728.
Symons, Arthur H., Chicago, Ill. Rod clamp. 2,395,204; Feb. 19.
Symons, Arthur H., assignor to Symons Clamp & Mfg. Company, Chicago, Ill. Adjustable shore. 2,413,342; Dec. 31.

Symons Clamp & Mfg. Company, assignee: *See—*

Symons, Arthur H.

Synchro Machine Company, assignee: *See—*

Bruestle, Carl O.

Synco-Cut Service Company, assignee: *See—*

Dawson, Reginald C., Couch, and Prange.

Synco Machine Company, assignee: *See—*

Bruestle, Carl O.

Syntrom Company, assignee: *See—*

Burke, William F.
Gilbert, Walter, Sr.

Weyandt, Carl S., and Missien.

Syracuse Chilled Plow Co., Inc., assignee: *See—*

Cook, Curtis L.

Syrch, Edward V., and G. B. McNair, Chicago, Ill., and

W. W. Crump, South Bend, Ind., assignors to The Howe

Scale Company, Rutland, Vt. Scale. 2,394,820; Feb. 12.

Syrov, Gerald H.: *See—*

Bennett, Robert M., and Syrov.

Syrov, Gerald H., Philadelphia, Pa., assignor to General

Electric Company. Shock-proofing mechanism. 2,406,265; Aug. 20.

Szabo, Lester J., Cleveland, Ohio, assignor, by mesne as-

signors, to Wyeth Incorporated, Philadelphia, Pa. Synthesis of vitamin B₂. 2,410,531; Nov. 5.

Szaty, Boleslaus J., assignor to Solvothermal Chemical Products, Inc., Detroit, Mich. Cleaning methods. 2,399,267; Apr. 30.

Szegho, Constantine S., assignor to The Rauland Corporation, Chicago, Ill. Cathode-ray tube. 2,401,278; May 28.

Szegho, Constantine S., assignor to The Rauland Corporation, Chicago, Ill. Secrecy communication system. 2,401,985; June 11.

Szegho, Constantine S., New York, N. Y., assignor to The Rauland Corporation, Chicago, Ill. Electrode. 2,408,894; Oct. 8.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Slow-motion electrical picture reproduction. 2,406,266; Aug. 20.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Angle modulated wave detector. 2,408,702; Oct. 1.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Radio receiver. 2,413,593; Dec. 31.

Sziklai, George C., Bloomington, Ind., assignor to Radio Corporation of America. Power supply circuits. 2,410,369; Oct. 29.

Szwargulski, Alex N.: *See—*

Moseley, James T. W., Carlson, and Szwargulski.

Szydlowski, Josef, Sainte Pie de Bigorre, France; vested in the Alien Property Custodian. Compressor. 2,397,060; Mar. 19.

T. I. (Group Services) Limited, assignee: *See—*

Evans, David W. T.

T & S Corporation, assignee: *See—*

Strid, Sven J.

Tabb, Warner T., assignor to Eisemann Corporation, Brooklyn, N. Y. Fluid transfer apparatus. 2,405,466; Aug. 6.

Tabb, Warner T., Plainfield, N. J., assignor to Eisemann Corporation, Brooklyn, N. Y. High-pressure fluid pump gasketing. 2,406,927; Sept. 3.

Tabellario, James, Providence, R. I. Locket construction. 2,396,214; Mar. 5.

Taber, Frederic H., New Bedford, Mass. Tire retreading. 2,395,502; Aug. 13.

Taber, John E., Jr., South Bend, and K. L. Keene, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoe. 2,407,189; Sept. 3.

Taber, Philip, and L. W. Van Dusen, San Diego, Calif., assignors to D. L. Ward Co., Philadelphia, Pa. Reproducing images from opaque surfaces. 2,392,343; Jan. 8.

Taborski, Alfred F., Buffalo, N. Y. Necktie. 2,411,907; Dec. 3.

Taborski, Alfred F., Buffalo, N. Y. Bow tie. 2,411,908; Dec. 3.

Taborski, Alfred F., Buffalo, and J. W. Terry, Niagara Falls, N. Y. Interchangeable bow tie. 2,394,024; Feb. 5.

Taborski, Alfred F., Buffalo, and J. W. Terry, Niagara Falls, N. Y. Necktie. 2,408,455; Oct. 1.

Tack, Carl E.: *See—*

Baselt, Walter H., and Tack.

Tack, Carl E., Chicago, Ill. assignor to American Steel Foundries. Truck. 2,399,519; Apr. 30.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Railway brake. 2,406,048; Aug. 20.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,411,067; Nov. 12.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,412,432; Dec. 10.

Tack, Carl E., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Railway brake. 2,399,071; Apr. 23.

Tack, Carl E., and N. Flesch, assignors to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,412,431; Dec. 10.

Tafel, Robert W.: *See—*

Anderer, Theodore A., and Tafel.

Taft, Howard W., assignee, et al.: *See—*

Ellenberger, Stanley D.

Taft, Thomas K., Cornwall, N. Y. Dehumidifying apparatus. 2,403,890; July 9.

Taggart, Millard S., Jr., Houston, Tex., assignor to Standard Oil Development Company. Utilization of hydrocarbons. 2,396,900; Mar. 19.

Tagliatela, Robert, Brooklyn, N. Y. Fragmentation bomb. 2,413,008; Dec. 24.

Tago, Catalino G., New York, N. Y. Jig. 2,399,257; Apr. 30.

Tait, William O., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Filter for fluid flow systems. 2,407,190; Sept. 3.

Talbot, John E.: *See—*

Campbell, Kenneth, and Talbot.

Talbot, William H., San Bernardino, Calif. Skate sharpener. 2,398,566; Apr. 16.

Talbot, Emmett D.: *See—*

Vincent, William J., and Talbot.

Talbot, George M., Hagerstown, Md. Knee joint for artificial legs. 2,400,032; May 7.

Talbot, Howard H.: *See—*

Knudsen, Earl, and Talbot.

Talbot, James M., Staten Island, N. Y. Chime. 2,401,199; May 28.

Talbot, Herbert C., Seattle, Wash. Pack cart. 2,401,986; June 11.

Talbot, James E.: *See—*

Hickernell, Latimer F., and Talbot.

Talbot, James F., Baltimore, Md. Humidifier for internal-combustion engines. 2,412,016; Dec. 3.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Internal grinder and polisher. 2,405,467; Aug. 6.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Foundry cutoff machine. 2,405,468; Aug. 6.

Talge, Foster L., assignee: *See—*

Grant, Albert E.

Talge, Foster L., assignee, et al.: *See—*

Talge, Henry J., and Landry.

Talge, Henry J., assignee: *See—*

Grant, Albert E.

Talge, Henry J., and W. J. Landry, assignors to J. C. Hockery, and F. L. and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Wall bracket for kitchen utensils. 2,408,703; Oct. 1.

Taliaferro, William R.: *See—*

Brown, Myron, and Taliaferro.

Taliaferro, William R., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timing device. 2,397,219; Mar. 26.

Taliento, Anthony, Rochester, N. Y. Pressing iron steam connections. 2,410,693; Nov. 5.

Talley, Benjamin F., Silver City, Calif. Spading fork. 2,406,175; Aug. 20.

- Talley, Claude A., and W. E. Grisham, San Antonio, Tex. Tire removing and spreading device. 2,401,118; May 28.
- Talley, Florence B.: *See* Woodward, Charles F.
- Tallion, Charles, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Spring assembly machine. 2,400,319; May 14.
- Tallman, Emma S., assignee, et al.: *See* Johnston, Douglas.
- Tallman, G. L., assignee, et al.: *See* Johnston, Douglas.
- Tallman, J. L., assignee, et al.: *See* Johnston, Douglas.
- Tallman, Leslie R., assignee, et al.: *See* Johnston, Douglas.
- Tallman, Ralph C., Westfield, N. J., and A. H. Stuart, assignors to Schieffelin & Co., New York, N. Y. Estrogenic substances. 2,400,033; May 7.
- Tallman, Ralph C., Westfield, N. J., and A. H. Stuart, assignors to Schieffelin & Co., New York, N. Y. Racemic estrogenic compounds. 2,400,034; May 7.
- Talon, Inc., assignee: *See* Carlie, Alfred E.
- Talton, Alfred E., and Gould, Clarence D.
- Pouz, Noel J.
- Tambert, Elmer A., Sierra Madre, Calif. Accounts payable system. 2,406,267; Aug. 20.
- Tamburro, Francis E., Ozona Park, assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y. Thread guide. 2,407,587; Sept. 10.
- Tampax, Inc., assignee: *See* McLaughlin, John R.
- Tampax Incorporator, assignee: *See* McLaughlin, John R.
- Tanglefoot Company, The, assignee: *See* Clark, Llewellyn J.
- Tangorra, John, Brooklyn, N. Y. Shoulder pad. 2,395,024; Feb. 19.
- Tanis, Hubert E., Jr., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge device. 2,408,822; Oct. 8.
- Tann, William E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Coating composition. 2,393,495; Jan. 22.
- Tannehill, Vernon L., Fort Wayne, Ind. Liquid supply system. 2,412,107; Dec. 3.
- Tanner, Charles C., Widnes, England, assignor to Imperial Chemical Industries Limited. Sodium dispersion. 2,409,519; Oct. 15.
- Tanner, Herbert G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes. 2,402,694; June 25.
- Tanner, James H.: *See* Tucker, Preston T., Stewart, and Tanner.
- Tanner, Robert R., assignor to Parker Rust Proof Company, Detroit, Mich. Coated zinc article and making same. 2,412,543; Dec. 10.
- Tansley, Leslie R., assignor to White Castle System, Inc., Columbus, Ohio. Apparatus for refrigerating comestibles. 2,397,446; Mar. 26.
- Tapp, Ernest T. J., Fleet, England. Mechanically propelled vehicle. 2,404,256; July 16.
- Tapper, Thomas P., Prospect Park, Pa., assignor to The Baldwin Locomotive Works. Removable mandrel for belt stretcher. 2,404,013; July 16.
- Taramaschi, Angelo, San Carlos, Calif. Cable straightener. 2,407,040; Sept. 3.
- Tarapczynski, Sigmund, assignor of twenty-five per cent to M. J. Gehen, twenty-five per cent to J. J. Agugliaro, and twenty-five per cent to J. Orosz, Buffalo, N. Y. Sharpening device. 2,413,156; Dec. 24.
- Tarbell, John C., Springfield, and J. H. Conant, Holyoke, Mass. Bkg. 2,393,203; Jan. 15.
- Tarbox, John P.: *See* Farr, Warren H., and Tarbox.
- Tarbox, John P., assignor to Foundation for Clinical and Surgical Research, Philadelphia, Pa. Drop by drop pump. 2,393,838; Jan. 29.
- Tarbox, John P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Metallic structure. 2,397,447; Mar. 26.
- Tarbox, John P., Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company. Metallic structure. 2,403,881; July 9.
- Tarlow, Isidor, Brockton, Mass. Shoe manufacture. 2,414,479; Nov. 19.
- Tarn, Thomas R.: *See* Beyer, Walter O., and Tarn.
- Tarr, Roderic D., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Textile drawing frame. 2,398,756; Apr. 16.
- Tascher, Eugene S., Ingleside, Ill., assignor to National Biscuit Company, New York, N. Y. Insert feeder. 2,394,410; Feb. 5.
- Tascher, Eugene S., Ingleside, Ill., assignor to National Biscuit Company, New York, N. Y. Package delivery chute. 2,412,368; Dec. 10.
- Tascher, Eugene S., Ingleside, Ill., assignor to National Biscuit Company, New York, N. Y. Carton forming machine. 2,412,369; Dec. 10.
- Tascher, Eugene S., Ingleside, Ill., and W. Bazant, Wyandanch, assignors to National Biscuit Company, New York, N. Y. Carton forming and filling machine. 2,412,370; Dec. 10.
- Tashjian, David R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. System for control of receiver reception by an associated transmitter. 2,412,935; Dec. 11.
- Tashman, Harry, New York, N. Y. Combination picture hanger and curtain tieback. 2,396,350; Mar. 12.
- Tatar, Fred, Gloversville, N. Y. Glove. 2,401,200; May 28.
- Tate, Carmen C.: *See* Ibach, Gerald A., and Tate.
- Tatsch, Richard, Laguna Beach, Calif. Reinforcing spacer. 2,412,307; Dec. 10.
- Tauch, Ernest J.: *See* Hurst, David M., Stafford, and Tauch.
- Tauch, Ernest J., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulphamic acid. 2,408,492; Oct. 1.
- Tauch, Ernest J., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulphamic acid. 2,408,523; Oct. 8.
- Taurman, Alphonso, Birmingham, Ala. Bottle crate. 2,410,251; Oct. 29.
- Tausch, Harry W., assignor to American Anode Inc., Akron, Ohio. Method and apparatus for concentrating colloidal dispersions. 2,387,818; Apr. 2.
- Tausch, Harry W., assignor to American Anode Inc., Akron, Ohio. Deposition of rubber from aqueous dispersions of rubber. 2,401,027; May 28.
- Taussky, Hona, New York, N. Y. Refining, purifying, and hydrogenating fats, fatty acids, and waxes. 2,413,009; Dec. 24.
- Taxwood, Vincent C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Impact testing apparatus. 2,396,620; Mar. 12.
- Taylor, Albert G., assignor by mesne assignments, to Rich Research Products Incorporated, Baltimore, Md. Corrosion resistant metal. 2,393,665; Jan. 29.
- Taylor, Ambrose G., Birmingham, England, assignor to Calgon Inc., Pittsburgh, Pa. Treatment of water by suppressing the ions of alkaline earth metals. 2,405,276; Aug. 6.
- Taylor, Andrew B., Wauna, Ore. Cutter for ring grooving cutting heads. 2,412,433; Dec. 10.
- Taylor, Arthur G., Hadley, Barnet, assignor to F. J. Walker Engineering Company Limited, Barnet, England. Self-adjusting mechanism for hydraulic wheel brakes. 2,404,326; July 16.
- Taylor, Auburn, Charleston, W. Va., and E. W. Worthington, assignors to The Goss Printing Press Company, Chicago, Ill. Inking mechanism. 2,392,706; Jan. 8.
- Taylor, Auburn, Charleston, W. Va., and E. W. Worthington, assignors to The Goss Printing Press Company, Chicago, Ill. Fountain inker drive mechanism. 2,406,928; Sept. 3.
- Taylor Cable Products, assignee: *See* Taylor, John.
- Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Suction cleaning apparatus. 2,394,274; Feb. 5.
- Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Suction cleaning apparatus. 2,409,230; Oct. 15.
- Taylor, Clarence C.: *See* Leo, Herbert T., and Taylor.
- Taylor, Daniel J., assignee, et al.: *See* Brown, Houghton.
- Taylor, Daniel D.: *See* Washburn, Harold W., and Taylor.
- Taylor, Daniel G.: *See* Sparrow, Hubert T., Taylor, and Witts.
- Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heat motor operated mechanism. 2,396,541; Mar. 12.
- Taylor, David M.: *See* Mercer, Robert G., and Taylor.
- Taylor, Donald C.: *See* Carter, Frederick, and Taylor.
- Taylor, Donald S.: *See* Green, Howard D., and Taylor.
- Taylor, Eben D.: *See* Ward, Loyd A., and Taylor.
- Taylor, Edwin C., Longmeadow, assignor to W. Bradford, Taunton, Mass. Electrically heated blanket. 2,395,152; Feb. 19.
- Taylor, Ernest W., and P. Nielsen, assignors to Industrial Brownhoist Corporation, Bay City, Mich. Foldable A-frame for excavating machines. 2,411,305; Nov. 19.
- Taylor, Florence E., assignee, et al.: *See* Du Bois, Joseph E.
- Taylor, George E.: *See* Hetzel, Eugene N., and Taylor.
- Taylor, George F., Grosse Pointe Woods, assignor to Carboly Company, Inc., Detroit, Mich. Making small metallic spheres. 2,394,727; Feb. 12.
- Taylor, George R., Kenosha, Wis. Liquid cooler for refrigerators. 2,408,704; Oct. 1.

- Taylor, Goldie E., Portland, Oreg. Crankshaft holding and pin aligning means. 2,397,517; Apr. 2.
- Taylor, Halsey W. Company, The, assignee: See—Freer, Clyde P.
- Taylor, Harden P., New York, N. Y. assignor, by mesne assignments, to Brewer & Company, Inc., Worcester, Mass. Making tablets. 2,410,110; Oct. 29.
- Taylor, Harry West, Babylon, N. Y. Fastening device. 2,397,889; Apr. 2.
- Taylor, Howard W., assignee: See—Peck, Garrette W.
- Taylor, Hugh S., and J. Turkevich, Princeton, assignors to The M. W. Kellogg Company, Jersey City, N. J. Converting mono-olefins to di-olefins. 2,401,802; June 11.
- Taylor, James: See—Wright, Harold R., and Taylor.
- Taylor, James, Bristol, Va. Mail bag lock. 2,399,952; May 7.
- Taylor, James, and S. H. Davidson, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Brisant explosive charges and their manufacture. 2,395,353; Feb. 19.
- Taylor, James E.: See—Eckey, Eddy W., and Taylor.
- Taylor, James H., Louisville, Ky., assignor to The Procter & Gamble Company, Ivorydale, Ohio. Making copper soaps. 2,397,767; Apr. 2.
- Taylor, James L., Mfg. Co., assignee: See—Hall, Selden H.
- Taylor, John, Kansas City, Mo., assignor to Taylor Cable Products, Kansas City, Kans. Battery cable. 2,399,836; May 7.
- Taylor, John A.: See—Murtagh, Hugh, and Taylor.
- Taylor, John A., Washington, D. C., and M. A. Knight, Arlington, Va. Battery overcharge protector. 2,402,695; June 25.
- Taylor, Marcell H., and T. W. Clifford, assignors to Taylor, Taylor & Hobson Limited, Leicester, England. Measuring apparatus. 2,412,017; Dec. 3.
- Taylor, Maurice H.: See—Healy, John J., Jr., Taylor, and Abbiati.
- Taylor, Myron L.: See—Lehman, Samuel K., and Taylor.
- Taylor, Myron L., Ridgewood, assignor to Bendix Aviation Corporation, Bendix, N. J. Supplying inflammable stiffreeze fluids for use on aerofol surfaces so as to prevent explosion of the fluid. 2,412,846; Dec. 17.
- Taylor, Owen L.: See—Ellis, Delbert, Taylor, and Basnett.
- Taylor, Raymond G., Jr., assignor to The Guiberson Corporation, Dallas, Tex. Well tool. 2,401,119; May 28.
- Taylor, Raymond G., Jr., and D. B. Hooser, assignors to The Guiberson Corporation, Dallas, Tex. Setting and releasing tool. 2,409,811; Oct. 22.
- Taylor, Raymond G., Jr., and D. B. Hooser, assignors to The Guiberson Corporation, Dallas, Tex. Control head packer. 2,409,812; Oct. 22.
- Taylor, Raymond L., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealing of glass to metal. 2,399,770; May 7.
- Taylor, Reginald, and G. T. Baker, Liverpool, England, and A. C. Corner, Calcutta, India, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc. Telephone or like system. 2,404,466; July 23.
- Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,405,620; Aug. 13.
- Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrical signaling system. 2,407,910; Sept. 17.
- Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,409,164; Oct. 5.
- Taylor, Rhoderic F., East Cleveland, assignor to The M. J. Ruetz Metal Products Company, Cleveland, Ohio. Fluid operated motor. 2,393,204; Jan. 15.
- Taylor, Robert C., Melrose Park, assignor to The Atlantic Refining Company, Philadelphia, Pa. Production of aliphatic hydrocarbon sulfonates. 2,413,199; Dec. 24.
- Taylor, Robert J., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Novel filamentous product and making it. 2,399,258; Apr. 30.
- Taylor, Robert J., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Making hollow filaments and product thereof. 2,399,259; Apr. 30.
- Taylor, Robert J., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Filamentous product. 2,399,260; Apr. 30.
- Taylor, Robert J., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Stretching device. 2,400,787; May 21.
- Taylor, Robert J., Claymont, Del., and W. L. Webb, Glen Moore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Filament extrusion device. 2,398,729; Apr. 16.
- Taylor, Robert S., Seattle, Wash. Speed change system. 2,398,814; Apr. 23.
- Taylor, Robert S., Seattle, Wash. Transmission lock. 2,399,405; Apr. 30.
- Taylor, Robert S., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Catalytic igniter for gaseous fuels. 2,407,729; Sept. 17.
- Taylor, Taylor & Hobson Limited, assignee: See—Cooke, Ernest A., Cox, Arthur.
- Reason, Richard E., Taylor, Mark H., and Clifford.
- Warmisham, Arthur, and Wynne.
- Wynne, Charles G.
- Taylor, Thomas L., Detroit, Mich. Grinding tool guide. 2,404,604; July 23.
- Taylor, Thomas M.: See—Herwick, Ole, and Taylor.
- Taylor, Thomas T., assignor to Compo Shoe Machinery Corporation, Boston, Mass. Manufacture of footwear. 2,403,313; July 2.
- Taylor, Viola, assignee, et al.: See—Brown, Haughton.
- Taylor, Walter P., Jr., New York, N. Y. Reading and writing machine. 2,412,183; Dec. 3.
- Taylor-Wharton Iron and Steel Company, assignee: See—Hanks, George R.
- Taylor, William A.: See—Vidal, Eugene L., and Taylor.
- Taylor, William A., Wildwood, N. J., assignor to Vidal Corporation, Molding apparatus. 2,392,707; Jan. 8.
- Taylor, William H., Detroit, Mich. Vehicle atmospheric suspension system. 2,393,942; Jan. 29.
- Taylor, William H., Akron, and R. E. Workman, Ravenna, assignors to Benfoot Corporation, Akron, Ohio. Stop nut. 2,400,444; May 14.
- Taylor, William H., and R. L. Jones, II, assignors to Wingfoot Corporation, Akron, Ohio. Bonding metal to plywood. 2,401,987; June 11.
- Taylor, William S., Seattle, Wash. Bulldozer grading attachment for crawler tractors. 2,402,352; June 18.
- Taylor, William W., San Marino, Calif. Scooter construction. 2,413,530; Dec. 31.
- Taylor, Willie W., Rocky Gap, Va. Dump truck and latch. 2,405,721; Aug. 13.
- Taylor-Winfield Corporation, The, assignee: See—Cooper, Joseph H., Hansen, Hans H., Ringer, Robert L., Jr., Secloff, Melvin M., Smith, Clyde, Trinks, Willibald, Urquhart, Thornton L.
- Teborn, David L., Plainfield, and G. S. Watson, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of acid salted 2,4-dinitro-6-halogen aniline. 2,404,893; July 30.
- Teagarden, Albert S., Athol, Idaho. Toy gun. 2,394,821; Feb. 12.
- Teague, Merwyn C., Ridgewood, N. J., and P. L. Mahoney, Jackson Heights, assignors to United States Rubber Company, New York, N. Y. Laminated porous elastic fabric. 2,404,758; July 23.
- Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Centrifugal blower. 2,411,816; Nov. 26.
- Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television image production. 2,408,108; Sept. 24.
- Teale, Harold A., Brooklyn, assignor to Filter Media Corporation, Irvington-on-Hudson, N. Y. Apparatus for reducing the fluid content of fluid-solid intermixtures. 2,407,303; Sept. 10.
- Tear, James D.: See—Poitras, Edward J., and Tear.
- Poitras, Edward J., Tear, and Newell.
- Tear, James D., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Motion reproducing mechanism. 2,392,889; Jan. 15.
- Tear, James D., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Motion reproducing device. 2,397,819; Apr. 2.
- Tear, James D., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Gun sight. 2,405,064; July 30.
- Tear, James D., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Power-driven gun with automatically positioned sight. 2,405,065; July 30.
- Tear, James D., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Position reproducing mechanism. 2,405,066; July 30.
- Tear, James D., Great Neck, and C. W. Buckley, Mount Vernon, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Gun sight. 2,405,067; July 30.
- Tear, James D., Great Neck, and E. P. Ross, Forest Hills, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Gun sight. 2,405,068; July 30.
- Tear, James D., Great Neck, and C. W. Buckley, Mount Vernon, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Gun sight. 2,407,191; Sept. 3.
- Technical Alliance Inc., assignee: See—Fischler, Paul E.
- Technical Motion Picture Corporation, assignee: See—Rackett, Gerald F.

- Technical Securities Corporation, assignee: *See—*
Fodor, Ferenz H.
- Technical Surfaces Ltd., assignee: *See—*
Eaton, Gregory Y.
- Teegarden, Otto V., Goshen, Ind. Tire handling stand. 2,418,010; Dec. 24.
- Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston ring. 2,397,220; Mar. 26.
- Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston. 2,407,192; Sept. 3.
- Te Grotenhuis, Theodore A., Olmsted Falls, Ohio. Synthetic rubber product and method of making the same. 2,394,025; Feb. 5.
- Te Grotenhuis, Theodore A., Olmsted Falls, Ohio. Method and apparatus for producing porous articles. 2,395,920; Mar. 5.
- Teichert, Conrad A., assignor to American Bosch Corporation, Springfield, Mass. Automatic fuel mixture control system. 2,395,648; Feb. 26.
- Teige, John J., and W. R. Thomas, Baltimore, assignors to The Black and Decker Manufacturing Company, Towson, Md., Chuck. 2,413,422; Dec. 31.
- Teitscheid, Alfred F., Wharton, N. J. Fuse. 2,392,430; Jan. 8.
- Teitscheid, Alfred F., Wharton, N. J. Projectile cap. 2,401,380; June 4.
- Tekel, Ralph: *See—*
Nelson, Samuel, Kramer, and Tekel.
- TekWood, Inc., assignee: *See—*
Randall, Boardman M.
- Telerefex Products Limited, assignee: *See—*
Pile, Sydney.
- Telefonaktiebolaget L. M. Ericsson, assignee: *See—*
Ahlberg, Curt F., and Nilsson.
Blomberg, Knut H.
Enger, Per J. S., and Parschin.
Holmquist, Selma A.
Rosswall, Axel E.
Thielers, Ernst M., and Broberg.
Wahlstrom, Gustaf A.
Werner, Sture E.
- Telegrapher Corporation, The, assignee: *See—*
Bush, George L.
Hicks, Raymond M.
Leroy, Everett R., and Bush.
- Teletype Corporation, assignee: *See—*
Barcky, Charles W.
Eddy, William H.
Goetz, Maurus T.
Grey, Victor.
Kleinschmidt, Edward E.
Lake, Ross A.
Levin, Carl A., and Lorenz.
Needham, Donald P., and Stussi.
Nordstrom, Carl E.
Potts, Louis M.
Reiber, Albert H.
Russnak, Clarence J.
Schuler, Reginald G.
Vosburg, Alan E.
Zenner, Walter J.
- Telford, Andrew G., Aurora, Ill. Transfer device. 2,409,400; Oct. 15.
- Teller, Jacob, assignee: *See—*
Belanger, Albert P. D.
- Tellington, Ventworth J.: *See—*
Dunn, Charles G., and Tellington.
- Tellini, Carlo: *See—*
Zajotti, Adolfo, and Tellini.
- Temko, Richard S., New York, and A. Katz, Bronx, assignors to Home Curtain Corp., Far Rockaway, N. Y. Curtain. 2,400,788; May 21.
- Temple, Alan E. S., Gatting, England. Movable bridge, dock gate, and the like. 2,411,480; Nov. 19.
- Temple, George L., Rosedale Heights, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,401,120; May 28.
- Temple, John C., Sarasota, Fla. Making chain links. 2,399,953; May 7.
- Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Hydraulic transmission. 2,393,128; Jan. 15.
- Temple, Robert, Pittsburgh, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Driving tool. 2,395,554; Feb. 19.
- Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Cable cutter. 2,411,909; Dec. 3.
- Temple Velocity Equipment, Inc., assignee: *See—*
Temple, Robert.
- Templeton, Archibald, Evansville, Wis. Bale lifter and conveyer. 2,402,465; June 18.
- Temprite Products Corporation, assignee: *See—*
Wyllie, John, Jr.
- Ten Brink, Karl C.: *See—*
Garrison, Allen D., and ten Brink.
- Ten Broeck, Theodore R., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Adhesives comprising an olefin polysulphide rubber. 2,400,474; May 14.
- Ten Broeck, Theodore R., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Coated cord. 2,410,792; Nov. 5.
- Tendick, Frank H., Grosse Pointe Park, assignor to Parke, Davis & Company, Detroit, Mich. Substituted ethylene oxide compounds and preparing the same. 2,393,129; Jan. 15.
- Tenenbaum, Berko, London, England. Piezoelectric crystals. 2,395,434; Feb. 26.
- Tenenbaum, David: *See—*
Reed, Raymond E., Tenenbaum, and Beste.
- Tennant, James R., Dallas, Tex. Slubbing device for spinning frames. 2,400,663; May 21.
- Tennessee Corporation, assignee: *See—*
Adams, Clark A.
- Tennessee Eastman Corporation, assignee: *See—*
Hull, David C.
- Tennessee Valley Authority, assignee: *See—*
De Witt, Thomas W.
- Tenny, Henry S., Encinitas, Calif. Producing binocular prisms. 2,393,073; Jan. 15.
- Teplitz, Alfred, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Metal strip coil welding machine. 2,394,822; Feb. 12.
- Teresi, Joseph A.: *See—*
Busacker, John W.
- Terhaar, Frederick W., Cold Spring, Minn., assignor to Solar Aircraft Company, San Diego, Calif. Making dies. 2,402,785; June 25.
- Ter Horst, William P., Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y. Arachnides. 2,397,633; Apr. 2.
- Ter Horst, William P., Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y. Mil-dewproofing of textile materials. 2,401,028; May 28.
- Terhune, Cornelius F., Kansas City, Mo. Windmill. 2,406,268; Aug. 20.
- Terhune, Ralph D., Ridgewood, N. J., assignor to The Bryant Heater Company, Cleveland, Ohio. Boiler. 2,407,941; Sept. 17.
- Ter Meer, Herman: *See—*
Quigley, Herbert, and Ter Meer.
- Ternes, Raymond E.: *See—*
Locke, Arthur A., and Ternes.
- Terpak, Stephen, and L. Wetherill, Pittsfield, Mass., assignors to General Electric Company. Bushing for electrical apparatus. 2,402,466; June 18.
- Terpay, John J.: *See—*
Wolowicz, Chester S., and Terpay.
- Terrett, Joseph, and W. B. Wood, assignors to Purma Cameras Limited, Sutton, England. Camera shutter. 2,392,071; Jan. 1.
- Terroni, Teso B. D.: *See—*
Gillings, Charles, Benie, and Terroni.
- Terry, Augustus P., Berkeley, Calif. Fastener for paper forms and the like. 2,396,030; Mar. 5.
- Terry, Daniel H.: *See—*
Meury, Walter C., Rosenberg, and Terry.
Rosenberg, Hans R., and Terry.
- Terry, Fred M., Jackson Heights, N. Y., assignor to Realty and Industrial Corporation. Oil circuit breaker. 2,409,723; Oct. 22.
- Terry, Joseph W.: *See—*
Taborski, Alfred F., and Terry.
- Terry, Rex A., Berkley, Mich., assignor to Chrysler Corporation. Highland Park, Mich. Litter-carrying vehicle. 2,398,730; Apr. 18.
- Terry, Robert H.: *See—*
Boeschold, Alfred L., and Terry.
- Terry, Robert S. G., New Malden, and R. E. H. Carpenter, South Croydon, England. Electromagnetic device. 2,396,135; Mar. 5.
- Tesch, Alexander O., Milwaukee, Wis. Fuel system for internal combustion engines. 2,400,664; May 21.
- Teska, John: *See—*
Serkes, Aaron, and Teska.
- Tessier, Joseph D., Worcester, Mass. Bottle cap. 2,392,274; Jan. 1.
- Tessier, Joseph D., Worcester, Mass. Appliance for paint sprayers. 2,410,532; Nov. 5.
- Test, Skiles E., Indianapolis, Ind. Terraced combination pool and reservoir. 2,406,413; Aug. 27.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,392,431; Jan. 8.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor and blade magazine. 2,392,432; Jan. 8.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine for safety razor blades. 2,392,433; Jan. 8.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine for safety razor blades. 2,392,869; Jan. 15.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,397,890; Apr. 2.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine for safety razor blades. 2,405,621; Aug. 13.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade magazine. 2,409,401; Oct. 15.

- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalysts. 2,392,107; Jan. 1.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Amination of oilshes. 2,397,705; Apr. 2.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalyst. 2,398,899; Apr. 23.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalyst. 2,406,929; Sept. 3.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Manufacture of gasoline. 2,412,371; Dec. 10.
- Teter, John W., and W. J. Merwin, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Refining of nitriles. 2,411,346; Nov. 19.
- Tewell, Lucille, assignee: *See*—
- Lothamer, Paul H.
- Texaco Development Corporation, assignee: *See*—
- Deming, Joseph H.
- Garrison, Allen D., and ten Brink.
- Goldsby, Arthur R.
- Johnson, Elmer B.
- Kaufman, David S.
- Veltman, Preston L.
- Texas Company, The, assignee: *See*—
- Arnold, George B.
- Arnold, George B., and Atwell.
- Atwell, Harold V.
- Atwell, Harold V., and Eastman.
- Atwell, Harold V., and Gross.
- Barron, Joseph M.
- Best, Joseph C., Traxler, and Schwyer.
- Clarke, Louis A.
- Claussen, Walter F.
- Coghlan, Charles A.
- Cook, Leon W.
- Eastman, du Bois.
- Fleming, James R.
- Clarke, Louis A.
- Goldsby, Arthur R.
- Grenko, John D., and Strawn.
- Hare, Donald G. C.
- Hare, Donald G. C., and Herzog.
- Haskell, Nelson B.
- Hatch, George B., Pevere, Clark, and Bruner.
- Keating, George H.
- Kremer, John T.
- Kuhn, Wayne E.
- Landrum, Harvey B., and Husted.
- Malin, Jay B.
- Malin, Jay B., and Fenney.
- McCleary, Rush F.
- Moore, Frank J.
- Morris, John R.
- Morris, John R., and McCleary.
- Narogon, Ernest A.
- Neubaus, Max.
- Patterson, John A.
- Pevere, Ernest F.
- Pevere, Ernest F., Clarke, and Hatch.
- Randolph, Charles J., Jr., and Haskell.
- Richker, Charles, and Eastman.
- Rosenstiel, Fred E.
- Sanderson, Robert T.
- Scoville, Loren P., and Davies.
- Sensel, Eugene E. C.
- Smith, William R., and Goldsby.
- Veltman, Preston L.
- Veltman, Preston L., and Davaney.
- Warrick, Halsted R.
- Watson, Claude W.
- Williamson, Tom, and Scardino.
- Winkelmann, Samuel A., and Wright.
- Wolf, Alexander, and Cowles.
- Texas Gulf Sulphur Company of America, assignee: *See*—
- Bacon, Raymond F., and Fanelli.
- Textile Machine Works, assignee: *See*—
- Sitzer, Gottlob.
- Staub, Herman.
- Worel, Glen J.
- Textile Research Co., assignee: *See*—
- Hoerber, Harold.
- Thacker, Carlisle M.: *See*—
- Bell, Richmond T., Folkins, and Thacker.
- Folkins, Hillis O., and Thacker.
- Thacker, Carlisle M., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Converting hydrocarbons into organic sulphur compounds. 2,411,236; Nov. 19.
- Thacker, Carlisle M., Highland Park, and R. T. Bell, Deerfield, assignors to The Pure Oil Company, Chicago, Ill. Dehydrogenation of hydrocarbons. 2,398,126; Apr. 9.
- Thacker, Carlisle M., and Richmond T. Bell, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Preparation of alkylated cyclic hydrocarbons. 2,409,080; Oct. 8.
- Thau, Charles K., assignee: *See*—
- Bergen, Edward.
- Thayer, Josephus J., Battle Creek, Mich., assignor to General Foods Corporation, New York, N. Y. Collapsible punch. 2,400,961; May 28.
- Theis, Albert E., and W. A. Wiener, Islip, N. Y. Radio range. 2,398,335; Apr. 9.
- Theisen, Joseph L., Marblehead, Mass., assignor to General Electric Company. Oscilloscope wave expansion. 2,399,955; May 7.
- Thelander, W. Vincent, Auburn, Ind. Automatic clutch. 2,406,049; Aug. 20.
- Thelander, W. Vincent, and E. M. De Coursey, Auburn, Ind., and W. O. Bechman, Chicago, and W. W. Hennig, River Grove, assignors to The Atwood Vacuum Machine Company, Rockford, Ill. Double clutch. 2,406,414; Aug. 27.
- Theobald, Clement W., Christiana Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making polyhalogenated straight-chain aliphatic carboxylic acid halides. 2,411,982; Dec. 3.
- Theobald, Arthur, Laurelton, N. Y. Take-up mechanism for knitting machines. 2,397,221; Mar. 26.
- Theodore, David T.: *See*—
- Hoppmann, William H., Jr., and Theodore.
- Theowick Company, assignee: *See*—
- Vickwire, Theodore H., Jr.
- Therm-A-Mode Company, Inc., assignee: *See*—
- Fitz Maurice, Richard J.
- Thermo-Plastics Corporation, assignee: *See*—
- Stephanoff, Nicholas N.
- Thermoid Company, assignee: *See*—
- Bennett, James B., and McCarter.
- Theroux, George, assignee, et al.: *See*—
- Booharin, Leo Y.
- Thesmar, Frederic: *See*—
- Ellis, William D., and Thesmar.
- Theston, Arthur L., assignor to Clopak Corporation, Cincinnati, Ohio. Window shade construction. 2,396,542; Mar. 12.
- Theston Manufacturing Company, assignee: *See*—
- Thibault, Joseph, assignee: *See*—
- Thibault, Leon E.
- Thibault, Leon E., assignor of one-half to J. Thibault, Flint, Mich. Automatic brake adjuster. 2,392,956; Jan. 15.
- Thibodeau, Wilfred E.: *See*—
- Church, Joseph H., and Thibodeau.
- Moore, Wiley T., Church, and Thibodeau.
- Thibodeau, Wilfred E., Cleveland, Ohio, and G. J. Kessenich, Madison, Wis. Firing mechanism. 2,396,304; Mar. 12.
- Thiel, Otto, Detroit, Mich. Mixing tank. 2,394,272; Feb. 5.
- Thielcke, George V.: *See*—
- King, Robert J., and Thielcke.
- Thiele, Berthold R.: *See*—
- Wagner, Robert S., and Thiele.
- Thiele, Berthold R., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Combined latch and lock. 2,399,302; Apr. 30.
- Thiele, Ernest W., assignor to Standard Oil Company, Chicago, Ill. Alkylation of hydrocarbons. 2,398,869; Apr. 23.
- Thiele, Ernest W., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion. 2,400,176; May 14.
- Thiele, Ernest W., G. E. Schmitkons, and C. M. Hull, assignors to Standard Oil Company, Chicago, Ill. Isoforming. 2,410,908; Nov. 12.
- Thiele, Theodore H., assignor to A. O. Smith Corporation, Milwaukee, Wis. Gas burner. 2,403,139; July 2.
- Thielemann, Rudolf H. Schenectady, N. Y., assignor to General Electric Company. High strength alloy for use at elevated temperatures. 2,398,678; Apr. 16.
- Thielers, Ernst M., Stockholm, and W. O. W. Broberg, Nysshamns Telefonfabriks AB, Stockholm, assignors to L. M. Ericsson, Stockholm, Sweden. Thermal circuit interrupter. 2,410,370; Oct. 29.
- Thieme, George B., Jamaica, N. Y. Interlock mechanism. 2,396,759; Mar. 19.
- Thinius, Kurt, Eilenburg, Germany; vested in the Alien Property Custodian. Production of polymer layers. 2,396,621; Mar. 12.
- Thiokol Corporation, assignee: *See*—
- Patrick, Joseph C.
- Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Shock absorber. 2,407,588; Sept. 10.
- Tholl, John F., Needham, assignor to American Tool & Machine Co., Boston, Mass. Centrifugal separator. 2,396,622; Mar. 12.
- Tholstrup, Henry L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Recording apparatus. 2,392,275; Jan. 1.
- Thomann, Frederick A.: *See*—
- Neighbour, Leonard B., and Thomann.
- Thomas, Albert, Munhall, assignor to James J. Duane, Pittsburgh, Pa. Tool chuck. 2,404,006; July 16.
- Thomas, Albert G., Lynchburg, Va. Electronic device. 2,409,454; Oct. 15.
- Thomas, Albert W.: *See*—
- Halliday, George F., and Thomas.

- Thomas, Arthur, Wallington, and A. W. Excell, Thornton Heath, assignors to Powers Accounting Machines Limited, London, England. Record controlled statistical machine. 2,401,671; June 4.
- Thomas, Arthur H., Company, assignee: *See*—Schmid, Leopold J.
- Thomas & Betts Co., The, assignee: *See*—Thomas, George C., Jr.
- Thomas, Carrie D., assignee, et al.: *See*—Thomas, Walter O.
- Thomas, Carroll E., Oakland, Calif. Adjustable clamp. 2,402,215; June 18.
- Thomas, Charles A., Dayton, Ohio, assignor to Monsanto Chemical Company. Rubberlike polymerization product and producing same. 2,398,976; Apr. 23.
- Thomas, Charles A., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl ester copolymerization products. 2,406,717; Aug. 27.
- Thomas, Charles A., and G. Kosolapoff, Dayton, Ohio, assignors to Monsanto Chemical Company. Cellulose phosphonamides. 2,401,440; June 4.
- Thomas, Charles H., Caldwell, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,412,659; Dec. 17.
- Thomas, Charles L.: *See*—Kinneberg, Ivar H., and Thomas.
- Lee, Edward C., and Thomas.
- Thomas, Charles L., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conducting catalytic reactions. 2,392,957; Jan. 15.
- Thomas, Charles L., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Synthesis of aromatic compounds. 2,406,717; Aug. 27.
- Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Production of aviation fuel. 2,399,261; Apr. 30.
- Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,402,854; June 25.
- Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of hydrocarbons. 2,406,864; Sept. 3.
- Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Production of motor fuel. 2,410,316; Oct. 29.
- Thomas, Charles L., and J. T. Pinkston, Jr., Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Regeneration of subdivided solids. 2,393,839; Jan. 29.
- Thomas, Charles L., and J. E. Ahlberg, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic cracking. 2,395,153; Feb. 19.
- Thomas, Charles L., and V. Haensel, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,410,111; Oct. 29.
- Thomas, Chester A.: *See*—Balsom, Henry D., and Thomas.
- Thomas, Edgar W.: *See*—Major, John, and Thomas.
- Thomas, Frank, Indianapolis, Ind. Ice cream machine. 2,402,931; June 25.
- Thomas, Frank E., Chicago, Ill. Conveyor structure. 2,405,378; Aug. 6.
- Thomas, Frank M.: *See*—Elliott, Stanley J., Hovgaard, Mallina and Thomas.
- Thomas, George C., Jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Flexible strip electrical connector. 2,396,725; Mar. 19.
- Thomas, George J., Pittsburgh, Pa. Surgical apparatus. 2,393,576; Jan. 22.
- Thomas, Harry I., assignor to Hagerstown Leather Company, Hagerstown, Md. Secret pocket billfold. 2,405,379; Aug. 6.
- Thomas, Harry W., Miami Beach, Fla., assignor to I. Rossi, New York, N. Y., as trustee. Rollable window screen. 2,404,257; July 16.
- Thomas, Islyn: *See*—Shapiro, Benjamin H., Thomas, and Hohl.
- Thomas, James C., III, assignee: *See*—La Berge, William C.
- Thomas, James C., III, Glendale, assignor to Globe Products Manufacturing Company, Los Angeles, Calif. Collet closer. 2,396,760; Mar. 19.
- Thomas, James C., III, El Segundo, Calif. Mixing chamber. 2,404,548; July 23.
- Thomas, James C., III, El Segundo, Calif. Faucet attachment. 2,404,549; July 23.
- Thomas, Joseph J.: *See*—Glarm, Sivert N., and Thomas.
- Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Yarn winding apparatus. 2,395,521; Feb. 26.
- Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Textile apparatus. 2,395,522; Feb. 26.
- Thomas, Ralph B., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp base. 2,392,785; Jan. 8.
- Thomas, Ralph B., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp base. 2,413,662; Dec. 31.
- Thomas, Ray G., Bloomington, Ill., assignor, by mesne assignments, to Eureka Williams Corporation. Control mechanism for refrigerating systems. 2,400,665; May 21.
- Thomas, Raymond E., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Embossing bowl. 2,406,718; Aug. 27.
- Thomas, Robert M.: *See*—Sparks, William J., and Thomas.
- Thomas, Robert M., and C. W. Ostrander, assignors, by mesne assignments, to Rheem Research Products Incorporated, Baltimore, Md. Coating for cadmium and zinc. 2,393,943; Jan. 29.
- Thomas, Robert M., Pasadena, Calif., and C. W. Ostrander, assignors to Rheem Research Products Incorporated, Baltimore, Md. Corrosion resistant metal. 2,393,964; Jan. 29.
- Thomas, Robert M., and C. W. Ostrander, Baltimore, assignors, by mesne assignments, to Rheem Research Products Incorporated, Baltimore 17, Md. Coating. 2,393,943; Jan. 29.
- Thomas, Robert M., Union, and F. P. Baldwin, Pluckemin, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Extrudable polymer composition. 2,399,262; Apr. 30.
- Thomas, Robert M., Union, and D. C. Field, Linden, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Process of low-temperature polymerization products. 2,408,007; Sept. 24.
- Thomas, Robert W., assignee, executor: *See*—Miller, Frank P.
- Thomas, W. Maureen, assignee, et al.: *See*—Thomas, Walter
- Thomas, Walter M., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Debering of wet strength paper. 2,394,273; Feb. 5.
- Thomas, Walter O., Winter Park, Fla., assignor, by decree of distribution, to C. D. and W. M. Thomas. Fruit clipper. 2,407,803; Sept. 17.
- Thomas, Wilbur E., Bronx, N. Y. Mechanical collator. 2,399,584; Apr. 30.
- Thomas, William: *See*—Rose, Edwin L., Tweedale, Thomas, and Frankland.
- Thomas, William, San Francisco, Calif. Bevel, level, and protractor instrument. 2,399,303; Apr. 30.
- Thomas, William, San Francisco, Calif. Placer mining machine. 2,405,622; Aug. 13.
- Thomas, William, assignor to The Waterbury Tool Company, Waterbury, Conn. Ammunition conveyer. 2,403,882; July 9.
- Thomas, William, assignor to The Waterbury Tool Company, Waterbury, Conn. Ammunition conveyer. 2,403,883; July 9.
- Thomas, William, and R. L. Tweedale, assignors to The Waterbury Tool Company, Waterbury, Conn. Ammunition conveyer. 2,403,884; July 9.
- Thomson, William D., Jr.: *See*—Cook, Elmer W., and Thomas.
- Thomson, William R.: *See*—Teige, John J., and Thomas.
- Thomson, William H., Margret, Ga. Drive mechanism. 2,404,454; Aug. 13.
- Thommen, Hans, and G. Brühlmann, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas blast circuit breaker. 2,404,995; July 30.
- Thommen, William H., Plymouth, assignor to Nubend Plywood Corporation, Milwaukee, Wis. Casket construction. 2,392,298; Jan. 1.
- Thompson, Albert L., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,410,768; Nov. 6.
- Thompson, Albert S., Primos, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lubrication control. 2,402,467; June 18.
- Thompson, Albert T., New Orleans, La. Pressure vessel. 2,412,454; Aug. 13.
- Thompson, Alfred E., and R. D. Salmon, assignors to Creed and Company Limited, Croydon, England. Telegraph apparatus. 2,404,007; July 16.
- Thompson, Alfred E., and R. D. Salmon, assignors to Creed and Company Limited, Croydon, England. Preparing facsimile messages for transmission. 2,406,865; Sept. 3.
- Thompson, Alfred E., and R. D. Salmon, Croydon, assignors to Creed and Company Limited, Croydon, Surrey, England. Device for preparing messages for facsimile transmission. 2,407,304; Sept. 10.
- Thompson, Arthur H.: *See*—Engler, Kyle, Barger, and Thompson.
- Thompson, Charles L., Oakland, Calif. Bearing removing tool. 2,406,445; Aug. 27.
- Thompson, Donald C.: *See*—Richardson, Arthur B., and Thompson.
- Thompson, Earl L.: *See*—Lutherman, Lewis A., and Thompson.
- Thompson, Edward O.: *See*—Biehl, Fred, and Thompson.
- Thompson Electric Company, The, assignee: *See*—Farrington, Thayer B., Keller, and Farrington.
- Thompson, Elmer B., assignor to Globe Holst Company, Des Moines, Iowa. Valve device. 2,402,265; June 13.
- Thompson, Elmer O., Grasmere, N. Y., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Stylus device. 2,399,585; Apr. 30.

- Thompson, Elmer O., Grasmere, N. Y., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Tuning apparatus. 2,405,277; Aug. 6.
- Thompson, Elmer A., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High voltage protective link. 2,412,926; Dec. 17.
- Thompson, Ernest H., Winnetka, R. W. Lockhart, and E. L. Wolf, assignors to Automatic Canteen Company of America, Chicago, Ill. Cooking and vending machine. 2,392,511; Jan. 8.
- Thompson, Ernest S., Stockton, Calif. Disk harrow. 2,406,866; Sept. 3.
- Thompson, George C., assignor of fifty per cent to E. W. Harrison, Winnipeg, Man., Canada. Aerial and land vehicle. 2,402,468; June 18.
- Thompson, George E., Stockton, Calif. Hydraulic drive unit. 2,395,355; Feb. 19.
- Thompson, George L.: *See—*
- Krister, Charles J., Sedusky, and Thompson.
- Thompson Grider Company, The, assignee: *See—*
- Baldenhofer, William G.
- Wilson, John C.
- Thompson, Harry C., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,409,165; Oct. 8.
- Thompson, Harry H., assignor to Wingfoot Corporation, Akron, Ohio. Rubber reclaim. 2,407,193; Sept. 3.
- Thompson, Harry H., and D. V. Moore, assignors to Wingfoot Corporation, Akron, Ohio. Reclaiming. 2,409,402; Oct. 15.
- Thompson, Hjalmar C., assignor to Deere & Company, Moline, Ill. Tension control device for flexible endless belts and the like. 2,413,265; Dec. 24.
- Thompson, Howard, assignee: *See—*
- Keller, Auguste V.
- Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,401,201; May 22.
- Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,405,860; Aug. 13.
- Thompson, Howard O., San Francisco, Calif. Tunnel boring machine. 2,404,606; July 23.
- Thompson, James A.: *See—*
- Dinsmore, Theodore R., and Thompson.
- Thompson, John, Cleveland, Ohio, assignor to The Pipe Machinery Company, Cleveland, Ohio. Cutting tool. 2,400,856; May 21.
- Thompson, Joseph S., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Disconnecting switch. 2,413,200; Dec. 24.
- Thompson, Kenneth M.: *See—*
- Hersberger, Arthur B., and Thompson.
- Thompson, Le Roy, Blakely, Ga., assignor to Locomotive Engine Corporation, New York, N. Y. Smoke box structure. 2,398,058; Apr. 9.
- Thompson, Lincoln, Cheshire, assignor to The Sound-scriber Corporation, New Haven, Conn. Vibrating headphone band. 2,395,356; Feb. 19.
- Thompson, Lincoln, Cheshire, assignor to The Sound Scriber Corporation, New Haven, Conn. Two-amplifier recording and reproducing phonograph. 2,409,520; Oct. 15.
- Thompson, Louis T. E., Dahlgren, Va., and R. H. Goddard, Roswell, N. Mex. Emergency control mechanism for aircraft. 2,395,435; Feb. 26.
- Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Resistance regulator. 2,398,679; Apr. 16.
- Thompson, Malcolm H., Dallas, Tex. Circle indicator. 2,401,029; May 28.
- Thompson, Paul V., Indianapolis, Ind. Device for measuring pressure of the spinal fluid. 2,396,351; Mar. 12.
- Thompson, Peter: *See—*
- Friedman, Abraham, and Thompson.
- Thompson, Peter, New Orleans, La. Cargo ship construction. Re. 22,815; Dec. 3.
- Thompson Products, assignee: *See—*
- McDill, Rex De O.
- Thompson Products, Inc., assignee: *See—*
- Booth, James H.
- Britton, Karl B.
- Caserta, Michele.
- Colwell, Archie T.
- Dunn, Allen I.
- Graham, Matthew P.
- Graham, Matthew P., and Vendittiy.
- Hoertz, Norman.
- Johnson, Paul P.
- Kerwin, John M., and Norton.
- Newey, Daniel H.
- Newton, John A., and Hoertz.
- Norton, Samuel H.
- Ralston, Eldon K.
- Snyder, Jacob R.
- Snyder, Jacob R., and Norton.
- Thoren, Theodore R., and Johnson.
- Townhill, Arthur.
- Van Epps, John.
- Vendittiy, Anthony.
- Vendittiy, Anthony, and Graham.
- Waag, Norman E.
- Thompson, Ralph B.: *See—*
- Chenick, Joseph A., and Thompson.
- Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,404,994; July 30.
- Thompson, Ralph B., and J. A. Chenick, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,397,820; Apr. 2.
- Thompson, Ralph B., and J. A. Chenick, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Paraffin alkylation process. 2,411,817; Nov. 26.
- Thompson, Ransom S., assignor to United Aircraft Corporation, East Hartford, Conn. Segment type resilient element. 2,410,562; Nov. 26.
- Thompson, Rebecca G., administratrix: *See—*
- Engler, Kyle, Barger, and Thompson.
- Thompson, Richard A., assignor to Colonial Broach Company, Detroit, Mich. Grinding wheel dresser. 2,404,148; July 16.
- Thompson, Robert F., Narrows, Va., assignor to Celanese Corporation of America. Extractor. 2,400,962; May 28.
- Thompson, Robert V., Indianapolis, Ind. Hand grip and closure for cartons. 2,407,111; Sept. 3.
- Thompson, Thomas, Bothell, Washington. Recreational roller toy. 2,403,885; July 9.
- Thompson, Tom H., Mamaronck, N. Y., assignor to Thompson-Wade Corporation, Detroit, Mich. Fluid transmission. 2,404,668; July 23.
- Thompson, Urban T., San Francisco, Calif. Drinking fountain. 2,392,512; Jan. 8.
- Thompson, Vaughan, Cranberry Portage, Manitoba, Canada. Sliding hoisting clamp. 2,393,430; Jan. 22.
- Thompson-Wade Corporation, assignee: *See—*
- Thompson, Tom H.
- Thompson, Walter C.: *See—*
- Goldberg, Harold, and Thompson.
- Thompson, Wendell S., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. 2,392,200; Jan. 1.
- Thompson, Wendell S., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. 2,399,072; Apr. 23.
- Thompson, Willis F., Portland, Maine, assignor to The Alden Speare's Sons Co., Cambridge, Mass. Pump. 2,408,109; Sept. 24.
- Thompson, Willis F., Portland, Maine, and A. R. Speare, Weston, assignors to The Alden Speare's Sons Co., Cambridge, Mass. Garment hanger. 2,393,074; Jan. 15.
- Thomsen, Alfred M., San Francisco, Calif. Obtaining magnesium and potash from the waters of the Great Salt Lake. 2,404,550; July 23.
- Thomsen, Alfred M., San Francisco, Calif., assignor to Pacific Acetate and Chemical Company. Making of activated carbon. 2,403,140; July 2.
- Thomsen, Hugo, Washington, D. C. Binder. 2,413,157; Dec. 24.
- Thomsen, William A. V.: *See—*
- Grant, Harry C., Jr., and Thomsen.
- Thomson, Alan C., Los Angeles, Calif. Helicopter with coaxial rotors and control means therefor. 2,410,533; Nov. 5.
- Thomson, Alex., administrator: *See—*
- Johnson, Victor S.
- White, Sidney Y.
- Thomson, Bernard, London, England. Remote control system. 2,399,954; May 7.
- Thomson, Bernard, London, England. Electric remote-control system. 2,399,956; May 7.
- Thomson-National Press Co., Inc., assignee: *See—*
- Whittaker, Lloyd A., and Peterson.
- Thomson, Thomas: *See—*
- Whitworth, Edward, Thomson, and Wark.
- Thomson, Thomas, Kilmarock, Scotland, assignor to Imperial Chemical Industries Limited. Surface coated propellant explosive powders. 2,407,967; Sept. 17.
- Thomte, Sten E. A., Vastervik, Sweden. Grinding. 2,412,435; Dec. 10.
- Thonet, Max H., St. Paul, Minn. Turnbuckle wrench. 2,397,574; Apr. 2.
- Thor, Clifford J. B.: *See—*
- Bordenca, Carl, and Thor.
- Thoren, Theodore R., and P. P. Johnson, Cleveland, Ohio, assignors to Thompson Products, Inc. Manufacturing ribbed dome hollow head valves. 2,411,764; Nov. 26.
- Thoresen, Einar: *See—*
- Marsh, Walter H., and Thoresen.
- Thoresen, John C., Warwick, assignor to Builders Iron Foundry, Providence, R. I. Constructing filter bottoms. 2,401,121; May 28.
- Thoresen, John C., Warwick, and J. R. Hartley, Barrington, assignors to Builders Iron Foundry, Providence, R. I. Sand expansion indicator. 2,401,122; May 28.
- Thorn, Richard N., West Concord, Minn. Wheel steering means for wagons and the like. 2,412,927; Dec. 17.
- Thornburg, Herbal A., Anderson, Ind. assignor to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,400,789; May 21.
- Thornbury, Sydney G., assignor to Turco Products, Inc., Los Angeles, Calif. Composition for and method of cleaning and coating metal. 2,408,155; Sept. 24.

- Thornlike, Herbert A., assignor to March Engineering Company, Oshkosh, Wis. Method of and apparatus for finishing split sealing rings. 2,401,279; May 28.
- Thorne, William E., Bay City, Mich. Collapsible scaffold. 2,398,604; Apr. 16.
- Thorner, Marvin E.; *See—*
Lieber, Eugene, and Thorer.
- Thornes, Fred, Toms River, N. J. Helicopter. 2,404,014; July 16.
- Thornes, Leslie S.; *See—*
Birch, Stanley F., Fidler, and Thornes.
- Thornhill, George, Aldridge, England. Chuck. 2,394,118; Feb. 5.
- Thornhill, Peter W., assignor to Automotive Products Company Limited, Leamington Spa, England. Fluid pressure remote-control system. 2,398,870; Apr. 23.
- Thornhill, William S.; *See—*
Morris, Rupert C., Shokal, and Thornhill.
- Thornton, Arthur W.; *See—*
Mumma, Paul F., and Thornton.
- Thornton, Lawrence J.; *See—*
Mulvany, Thomas C., and Thornton.
- Thornton, Loxia C., Fresno, Calif. Artificial limb. 2,398,977; Apr. 23.
- Thornton, Ray F., Dearborn, Mich. Vehicle construction. 2,395,769; Feb. 26.
- Thornton, Ray F., Dearborn, Mich. Power unit. 2,406,269; Aug. 20.
- Thorp, Joel R.; *See—*
Riemann, Howard C., and Thorp.
- Thorp, Joel R., and S. S. Strand, assignors to The Fulton Company, West Allis, Wis. Lock nut. 2,403,566; July 9.
- Thorson, George, Chicago, Ill. Container holder for ladders and the like. 2,394,823; Feb. 12.
- Threedy, Clarence E., assignee; *See—*
Tratsch, Walter A.
- Threedy, Clarence E., assignee, trustee; *See—*
Bradner, Burke C.
Tratsch, Walter A.
- Thresh, Frank R.; *See—*
Knowlton, Cutler D., and Thresh.
- Thresh, Frank R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun-charging mechanism. 2,408,110; Sept. 24.
- Thrush, H. A., and Company, assignee; *See—*
Thrush, Marquis O.
- Thrush, Marquis O., assignor to H. A. Thrush & Company, Peru, Ind. Adjustable supply T. 2,404,996; July 30.
- Thulander, John I.; *See—*
Hennessy, John F., and Thulander.
- Thuin, Ivar V., Upper Darby, Pa. Combination indicating calipers. 2,395,154; Feb. 19.
- Thumim, Carl, Yeadon, Pa., D. C. Prince, Schenectady, N. Y., and H. B. Dhonau, Philadelphia, Pa., assignors to General Electric Company. Electric circuit breaker. 2,392,201; Jan. 1.
- Thunell, Karl H.; *See—*
Rost, Helge F., Thunell, Vignen, and Claesson.
- Thurber, Elmer A., Brooklyn, N. Y., and L. A. Wooten, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carbiding. 2,400,893; May 28.
- Thurlow, Alma L., executrix; *See—*
Thurlow, Thomas L.
- Thurlow, Thomas L., deceased, Venice, Calif.; A. L. Thurlow, executrix. Horizontal reference means for sextants and the like. 2,395,921; Mar. 5.
- Thurman, Benjamin H., Charlotte, N. C., assignor, by mesne assignments, to Benjamin Clayton, Houston, Tex., doing business as Refining Incorporated. Making soap. 2,403,413; July 2.
- Thurman, Benjamin H., Charlotte, N. C., assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining Incorporated. Insecticide. 2,407,041; Sept. 3.
- Thurston, Arthur L., Wantagh, N. Y., assignor to Cox and Stevens Aircraft Corporation. Calculator. 2,405,803; Aug. 14.
- Thurston, George H., Camp Hood, Tex. Combination drafting instrument. 2,393,873; Jan. 29.
- Thurston, George H., Camp Hood, Tex. Ball bearing. 2,396,623; Mar. 12.
- Thurston, Jack T.; *See—*
Kaiser, Donald W., and Thurston.
- Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Aliphatic substituted guanamines. 2,394,526; Feb. 5.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Alpha furyl aldehyde sulphonates. 2,402,510; June 18.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Alpha furyl carboxylic acid sulphonates, esters, and salts thereof. 2,402,511; June 18.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Alpha furyl amide sulphonates. 2,402,512; June 18.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Alpha furyl nitrile sulphonates. 2,402,513; June 18.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Alpha furyl nitroethane sulphonates. 2,402,514; June 18.
- Thwaites, Leslie B., Cublington, near Leamington Spa, England. Apparatus for moving loose material. 2,395,238; Feb. 19.
- Thyberg, Albert S.; *See—*
Gorrell, John E., and Thyberg.
- Tibbals, Charles E., Bluefield, W. Va. Longwall mining machine. 2,399,073; Apr. 23.
- Tibbals, Charles E., Bluefield, W. Va. Breaking down mechanism. 2,399,074; Apr. 23.
- Tibbals, Charles E., Bluefield, W. Va. Undercutting and conveying element. 2,399,075; Apr. 23.
- Tibbals, Charles E., Bluefield, W. Va. Longwall mining machine. 2,399,713; May 7.
- Tibbatts, George C., Camden, Maine. Piezoelectric device. 2,403,692; July 9.
- Tice, Reuben S., Monterey, Calif. Mill. 2,392,958; Jan. 15.
- Tichenor, Robert L.; *See—*
Morey, Donald R., and Tichenor.
- Tickle, Arthur B., Jr., New York, N. Y. Construction of bulkheads, walls, partitions, and the like. 2,399,151; Apr. 23.
- Tidd, Arthur H.; *See—*
Glanz, Sjunne W., and Tidd.
- Tidd, Edwin B., Mount Prospect, assignor to Bell & Gossett Company, Morton Grove, Ill. Heating system. 2,395,697; Feb. 26.
- Tidd, Edwin B., Mount Prospect, assignor to Bell & Gossett Company, Chicago, Ill. Automatic valve. 2,397,706; Apr. 2.
- Tide Water Associated Oil Company, assignee; *See—*
Galstaun, Lionel S.
Gaubauer, Adam H.
Lazar, Arthur, and Carter.
Jones, Benjamin G., and Sharp.
Ruedrich, Paul M.
Tyler, Walter S.
Viland, Clare K., and Hyde.
- Tiedemann, Julius B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Flash welding machine. 2,413,663; Dec. 31.
- Tiedtke, Ernest W.; *See—*
Boohar, Leo Y., Tiedtke, and Koehn.
- Tiemeier, Walter E., assignor to Murray Iron Works Company, Burlington, Iowa. Steam boiler. 2,393,205; Jan. 15.
- Tien, Hsin-Ya, Calcutta, India. Internal-combustion engine. 2,404,467; July 23.
- Tierney, Marcus M., St. Paul, Minn. Container and support. 2,395,592; Feb. 26.
- Tietjen, E. J., assignee; *See—*
Evans, Eugene M.
- Tiffany, Frank E., Claremont, assignor of one-fifth to W. J. Mathieu, North Hollywood, one-fifth to J. H. Reiners, San Marino, one-fifth to R. J. Swank, Van Nuys, and one-fifth to F. J. Walsh, North Hollywood, Calif. Electric switch. 2,395,698; Feb. 26.
- Tiffany, Frank E., Claremont, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Detachable plug. 2,396,901; Mar. 19.
- Tiger, Howard J., New York, N. Y., and P. C. Goetz, Mount Holly, N. J., assignors to The Permutit Company, New York, N. Y. Recovering copper values from dilute solutions of copper salts. 2,397,575; Apr. 2.
- Tighe, John C., Omaha, Nebr. Artificial tooth. 2,404,327; July 16.
- Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Coaxial line termination. 2,409,599; Oct. 15.
- Tiley, John W., Philadelphia, Pa., assignor to Philco Corporation, Patuxent, Md. 2,413,085; Dec. 24.
- Tillage & Sub-Soilng Company Limited, The, assignee; *See—*
Foot, Edward H. W.
- Tillett, George H.; *See—*
Fletcher, Harry, and Tillett.
- Tillman, John E., Stratford, Conn., assignor to General Electric Company. Converter. 2,404,669; July 23.
- Tillman, John E., Stratford, Conn., assignor to General Electric Company. Radio frequency transformer. 2,413,201; Dec. 24.
- Tills, John W., Upton, Wirral, J. B. Lovatt, Hoylake, Wirral, and F. C. Potts, Upton, Wirral, England. Production of high vacuum. 2,404,997; July 30.
- Tillyer, Edgar D.; *See—*
Bennett, Alva H., and Tillyer.
- Tilton & Cook Co., assignee; *See—*
Holden, Crofton C.
- Tilton, Danley, assignor to R. H. Clark, Los Angeles, Calif. Work carrier. 2,397,300; Mar. 26.
- Tilton, Joshua A., Baton Rouge, La., assignor to Standard Oil Development Company. Production of aromatic hydrocarbons. 2,396,761; Mar. 19.
- Timber Engineering Company, assignee; *See—*
Smith, Lawrence W.
- Timefax Corp., assignee; *See—*
Dalton, Harold R., and Cooley.
- Times Telegraph Equipment Inc., assignee; *See—*
Cooley, Austin G.
Dillenback, Garrett V., and Cooley.

- Timken-Detroit Axle Company, assignee: *See*—
Buckendale, Lawrence R.
- Timken-Detroit Axle Company, The, assignee: *See*—
Alden, Herbert W., Buckendale, and Super.
Brownner, Nelson R.
- Buckendale, Lawrence R.
Buckendale, Lawrence R., and Keese.
Goldie, Rowland J., and Wilber.
Keese, Beverly W.
Morgan, Matthew B.
Powers, Milton A., and Sutterfield.
Vickers, Carroll B.
- Timken Roller Bearing Company, The, assignee: *See*—
Boden, Ernest G.
Bonte, Frederick R.
Boucher, Seraphin J.
Buckwalter, Tracy V.
Buckwalter, Tracy V., and Scribner.
Edwards, Herbert C.
Fleischmann, Martin.
Haager, Paul L.
Haines, Harry F.
- Timmer, Frederick E.: *See*—
Allen, Robert M., and Timmer.
- Timmons, William D., Coshocton, Ohio. Fireproofing coating method and product. 2,395,922; Mar. 5.
- Timpson, Lewis G. M.: *See*—
Mattin, Harry E., and Timpson.
- Timson, Arthur G., Haverhill, Mass., assignor to United States Machinery Corporation, Flemington, N. J. Reversible shoe. 2,409,813; Oct. 22.
- Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of 1,1-dichloro-1-nitroalkanes. 2,397,354; Mar. 26.
- Tinler, Eugene O., Playa del Rey, assignor to The Garrett Corporation, Alhambra Research Manufacturing Company division, Los Angeles, Calif. Exhaust heat exchanger. 2,393,840; Jan. 29.
- Tinker, Walter H., Glenside, Pa., assignor, by mesne assignments, to H. S. B. Corporation. Projectile propelled injector. 2,397,385; Mar. 26.
- Tinnerman, Albert H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,396,062; Mar. 5.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,394,728; Feb. 12.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,394,729; Feb. 12.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Bonding clamp. 2,399,899; May 7.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,399,957; May 7.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,399,958; May 7.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,400,142; May 14.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,400,270; May 14.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,400,666; May 21.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,401,202; May 28.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,401,672; June 4.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Hose clamp. 2,402,710; June 25.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Detonator clamp. 2,405,912; Aug. 13.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,405,913; Aug. 13.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,406,415; Aug. 27.
- Tinnerman Products, Inc., assignee: *See*—
Hartman, Richard A.
Judd, Charles H., and Giammatteo.
Judd, Charles H., and Tinnerman.
Tinnerman, Albert H.
Tinnerman, George A.
- Tinsler, Vernon R., and H. L. Brock, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Guard mechanism. 2,413,266; Dec. 24.
- Tipton, Frank J., Coventry, assignor to L. P. Lee, near Stratford-on-Avon, England. Governing gear for engines and other machines. 2,407,042; Sept. 3.
- Tipton, Elizabeth B., executrix: *See*—
Tipton, William D.
- Tipton, William D., deceased, Stoneleigh, Md.; E. B. Tipton, executrix. Hydrodynamic transmission. 2,408,005; Sept. 24.
- Tirrel, Frank J., George, Iowa. Plank or board joint. 2,405,469; Aug. 6.
- Tisdale, Wendell H., Wilmington, Del., and I. Williams, Borger, Tex., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Disinfectants. Re. Oct. 15.
- Tishler, Max: *See*—
Weijlard, John, and Tishler.
- Tishler, Max, assignor to Merck & Co., Inc., Rahway, N. J. Tetraacetyl ribonic acid and making it. 2,409,455; Oct. 15.
- Tisza, Edmond T., and B. F. Duesel, assignors to Pyridium Corporation, Yonkers. Production of pyridine 3-sulphonic acid and its salts. 2,406,972; Sept. 3.
- Titan Valve and Manufacturing Company, The, assignee: *See*—
Van Denberg, Thomas F., and Selby.
- Titanium Alloy Manufacturing Company, The, assignee: *See*—
Tiller, John B.
Van Mater, Henry L.
Wainer, Eugene.
- Titcomb, Lee R., Chicago, Ill. Temperature control valve. 2,393,841; Jan. 29.
- Titledex, Inc., assignee: *See*—
Carter, Shirley J.
Ingalls, David.
Ingalls, David, and Hamilton.
Levy, Jerome B.
Peters, Melville F., and Phillips.
Robertson, Edwin A.
- Titelox Manufacturing Company, assignee: *See*—
Lord, Francis Le B.
- Titelstad, Nicolay, White Plains, assignor to Chemical Co. Inc., New York, N. Y. Sulfuric acid regeneration. 2,406,930; Sept. 3.
- Tittel, Roger C.: *See*—
Waterbury, Neil M., and Tittel.
- Titus, Charles H., Philadelphia, Pa., assignor to General Electric Company. Gas cooling arrangement for circuit interrupters. 2,403,352; Sept. 24.
- Titus, Thomas L., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo. Fountain pump. 2,408,009; Sept. 24.
- Titus, Thomas L., Cheyenne, Wyo., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo. Measuring trap chamber with barometric cutoff. 2,408,156; Sept. 24.
- Toalson, Lloyd L., San Antonio, Tex. Sounding toy. 2,397,061; Mar. 19.
- Tobe Deutschmann Corporation, assignee: *See*—
Geoghegan, Eamonn D. A.
- Tocci-Guilbert, Berne, San Francisco, Calif. Surface grinder. 2,395,519; Feb. 26.
- Toce, Charles A., and V. J. Houston, assignors to Federal Aircraft Engineering Corporation, Harris County, Tex. Mechanical vapor fuel injector for engines. 2,413,343; Dec. 31.
- Toce, Victor J.: *See*—
Toce, Charles A., and V. J.
- Tod, Charles W., Kingswinford, Brierley Hill, assignor to Albright & Wilson Limited, Oldbury, near Birmingham, England. Production of alginate solutions. 2,405,861; Aug. 13.
- Todd, Floyd, Drexel Hill, assignor to Quaker Chemical Products Corporation, Conshohocken, Pa. Corrosion testing apparatus. 2,405,532; Aug. 6.
- Todd, James D., Louisville, Ky., assignor to Kentucky Color and Chemical Company, Louisville, Ky. Strontium chromate pigments and preparing the same. 2,400,271; May 14.
- Todd, James D., Louisville, Ky., assignor to Kentucky Color and Chemical Company, Louisville, Ky. Barium chromate pigments and preparing the same. 2,400,272; May 14.
- Todd, Keith W., Warrington, England, assignor to Metropolitan-Vickers Electrical Company, Limited, London, England. Mechanical relay of the fluid jet type. 2,397,448; Mar. 26.
- Todd, Keith W., Warrington, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Mechanical relay of the fluid jet type. 2,408,705; Oct. 1.
- Todd, Russell T., assignor to McKay Machine Company, Youngstown, Ohio. Apparatus for feeding metal strip to metal working presses. 2,394,714; Feb. 12.
- Todd, Seldon P., Gloucester City, and F. C. Verdian, Auburn, N. J., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Iron hydrate and the manufacture and use of the same. 2,403,248; July 2.
- Todd Shipyards Corporation, assignee: *See*—
Stark, William, and Gately.
- Toews, Edward E., assignor to Rub-R-Slat Draper Co., Halstead, Kans. Conveyor belt. 2,400,687; May 21.
- Toft, John D., South Portland, Maine. Fish discharging apparatus. 2,396,305; Mar. 12.
- Toft, John D., South Portland, Maine. Apparatus for screening fish from streams of water. 2,402,039; June 11.
- Tognola, Tullio: *See*—
Spengler, Walter J., Tognola, and Frei.
- Tokheim Oil Tank and Pump Company, assignee: *See*—
Oberly, Chester C., and Waugh.

- Toland, William C., Brookline, Mass., and B. B. Burbank, Brunswick, Maine, assignors to said Toland, trustee. Making fibrous materials. 2,402,469; June 18.
- Toland, William C., Brookline, Mass., assignor to W. C. Toland, trustee. Printing plate means. 2,413,664; Dec. 31.
- Tole, Ernest W., administrator: *See—*
- Tolson, Cecil O., and Hobbs.
- Toledo Automatic Brush Machine Company, The, assignee: *See—*
- Jobst, Conrad.
- Toledo Plate & Window Glass Company, The, assignee: *See—*
- Jones, Norman B.
- Toledo Scale Company, assignee: *See—*
- Hem, Halvor O.
- Jerome, Alan J.
- Lonsmate, Ralph B.
- Williams, Lawrence S.
- Wood, George R.
- Tolen, Willard R., Riverside, Calif. Baby comfort cab. 2,400,790; May 21.
- Tolman, John A., assignor to F. T. Bromley, Detroit, Mich. Dynamic balancing machine. 2,394,411; Feb. 5.
- Tolmie, Edgar S., Fairfield, Conn., assignor to Remington Rand, Inc., Buffalo, N. Y. Vibratory motor. 2,396,397; Mar. 12.
- Tolnai, Gabor K., assignor to Arenco Aktiebolag, Stockholm, Sweden. Transmission device. 2,400,668; May 21.
- Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. Heat responsive device. 2,410,317; Oct. 29.
- Tolson, William A., Westmont and W. J. Poch, Moorestown, N. J., assignors to Radio Corporation of America. Cathode ray tube system. 2,400,791; May 21.
- Tolson, William A., Westmont, and R. S. Holmes, Haddonfield, N. J., assignors to Radio Corporation of America. Television system. 2,401,441; June 4.
- Tolson, William A., and C. A. Meneley, Princeton, N. J., assignors to Radio Corporation of America. Radiant energy locating system. 2,409,456; Oct. 15.
- Tom, John E., Cleveland, Ohio. Portable crane. 2,394,217; Feb. 5.
- Tomes, Gilbert A. R.: *See—*
- Graves, Arnold, and Tomes.
- Tomik, George A., Orland Park, Ill., assignor to International Harvester Company. Steering and driving gear for vehicles. 2,394,119; Feb. 5.
- Tominaga, Masaichi, Kamata-ku, Tokyo, Japan; vested in the Alien Property Custodian. Sound arrester in the ventilator of sound-resting rooms. 2,394,342; Feb. 5.
- Tominello, Samuel M., Chicago, Ill. Bacon hanger. 2,412,233; Dec. 10.
- Tomkins-Johnson Company, assignee: *See—*
- Ward, Loyd A., and Taylor.
- Tomlinson, George H., Montreal, Quebec, and G. H. Tomlinson, Jr., Cornwall, Ontario, assignors to Howard Smith Paper Mills, Limited, Montreal, Quebec, Canada. Treating lignocellulosic material. 2,406,867; Sept. 3.
- Tomlinson, George H., Jr.: *See—*
- Tomlinson, George H. and G. H., Jr.
- Tompkins Bros. Co., assignee: *See—*
- Ingalls, Willis A.
- Tomsick, Walter, Los Angeles, Calif. Tool. 2,400,177; May 14.
- Tondreau, Albert W., and E. B. McGreal, Los Angeles, Calif., assignor to Warner Brothers Pictures, Inc. Film slating system. 2,402,100; June 11.
- Tong, Christopher P., and J. W. May, assignors to Wright's Automatic Machinery Company, Durham, N. C. Folding machine. 2,400,475; May 14.
- Tongberg, Carl O., Westfield, N. J., assignor to Standard Oil Development Company, Inc. Hydrocarbon isomerization process. 2,403,314; July 2.
- Tongberg, Carl O., Westfield, and H. J. Hall, Roselle, N. J., assignors to Standard Oil Development Company. Paraffin isomerization process. 2,406,868; Sept. 3.
- Tonks, Lewi, Schenectady, N. Y., assignor to General Electric Company. Pulse generating system. 2,405,069; July 30.
- Tonks, Lewi, Schenectady, N. Y., assignor to General Electric Company. Pulse generating system. 2,405,071; July 30.
- Tonks, Lewi, Schenectady, N. Y., assignor to General Electric Company. Wave guide structure. 2,409,913; Oct. 22.
- Tonks, Lewi, Schenectady, and M. Davis, Alplaus, N. Y., assignors to General Electric Company. Square wave pulse generating system. 2,405,070; July 30.
- Tonks, Lewi, and Le R. Apker, Schenectady, N. Y., assignors to General Electric Company. Wave propagation. 2,407,911; Sept. 17.
- Tonn, Hans: *See—*
- Neumann, Heinrich, Bukowski, Ramshorn, Spiegel, and Tonn.
- Toohy, Catherine, administratrix: *See—*
- Toohy, Patrick F.
- Toohy, Patrick F., deceased, Burgetstown, assignor of one-half to M. Robb, Slovian, Pa.; C. Toohy, administratrix. Loading pan. 2,409,994; Oct. 22.
- Toole, Gerald C.: *See—*
- Field, Crosby, and Toole.
- Toomey, John, Holbrook, Mass. Dispensing truck. 2,408,862; Aug. 13.
- Toomlin, Hershel, Gerald Neck, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Balanced modulator system. 2,399,586; Apr. 30.
- Toomlin, Hershel, Douglaston, assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Regenerative bass compensation circuit. 2,408,242; Sept. 24.
- Toone B., (Nottingham) Limited: *See—*
- Cole, Bernard T.
- Toone, Gilbert C.: *See—*
- Flett, Lawrence H., and Toone.
- Toorell, Sture: *See—*
- Carlström, Bengt, Grip, and Toorell.
- Toorks, William P., Salem, Mass., assignor to Sylvania Electric Products Inc. Luminescent material and preparing the same. 2,402,855; June 25.
- Tootal Broadhurst Lee Company, assignee: *See—*
- Hall, Archibald J., and Wood.
- Tootal Broadhurst Lee Company Limited, assignee: *See—*
- Cowley, John F.
- Nield, Leslie C.
- Topott, Sidney F.: *See—*
- Hunter, Albert E., and Topott.
- Torburn, Gustav P., San Carlos, Calif. Locking and sealing blind bolt connection. 2,393,431; Jan. 22.
- Torell, Leland C., and W. E. White, Bethlehem, Pa., assignors to Bethlehem Steel Company. Vibration damping splice. 2,406,270; Aug. 20.
- Torgerson, Joseph L., Milwaukee, Wis. Grinding machine for shaping workpieces. 2,410,955; Nov. 12.
- Tormollan, Owen E., Jr., Raspeburg, assignor to The Glenn L. Martin Company, Middle River, Md. Beaching gear. 2,392,786; Jan. 8.
- Tornblom, Nils A., assignor to Appleton Electric Company, Chicago, Ill. Explosionproof lighting fixture. 2,392,202; Jan. 1.
- Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Drain fitting. 2,405,927; Aug. 13.
- Toro, Louis, assignor to S. Toro, Brooklyn, N. Y. Hair curling device. 2,402,470; June 18.
- Toro, Sylvia, assignee: *See—*
- Toro, Louis.
- Torrance, James J.: *See—*
- Twining, George E., and Torrance.
- Torrance, Edmond G., Port Arthur, Tex. Cable stripping tool. 2,410,252; Oct. 29.
- Torrance, Maynard F.: *See—*
- Nowlen, James P., and Torrance.
- Torrans, Julia E., W. Lake Jackson, Tex. Ornamental hair curler cover. 2,409,081; Oct. 8.
- Torresen, Carel T., Santa Monica, assignor to North American Aviation, Inc., Inglewood, Calif. Aircraft power plant arrangement. 2,409,323; Oct. 15.
- Torriceili, Decio, Springfield, Mass. Septic tank. 2,412,735; Dec. 17.
- Torrington Manufacturing Co., The, assignee: *See—*
- Collura, Francesco.
- Place, Charles I.
- Torry, Alan: *See—*
- Lintley, Anthony, and Torry.
- Torsion Balance Co., The, assignee: *See—*
- Seyter, William C.
- Tortenson, Henry A., assignee: *See—*
- Morberg, Kenneth F.
- Toth, Emerick, Cheverly, Md. Tuned inductor. 2,395,520; Feb. 26.
- Toth, Julius, East McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,399,406; Apr. 30.
- Totti, Andrew J., and W. E. Snowden, Modesto, Calif., assignors, by direct and mesne assignments, to Modesto Manufacturing Co. Fowl picker. 2,412,108; Dec. 3.
- Touceda, Enrique G., U. S. Navy. Making dies for the injection molding of plastics. 2,397,168; Mar. 26.
- Touceda, Enrique G., Loudonville, and R. P. De Vries, Menands, N. Y., assignors to Allegheny Ludlum Steel Corporation. Beryllium alloy steels and articles of manufacture produced therefrom. 2,393,488; Jan. 22.
- Touceda, Enrique G., Loudonville, and R. P. De Vries, Menands, N. Y., assignors to Allegheny Ludlum Steel Corporation. Beryllium copper alloy steels and articles of manufacture produced therefrom. 2,397,222; Mar. 26.
- Touceda, Enrique G., Loudonville, and R. P. De Vries, Menands, N. Y., assignors to Allegheny Ludlum Steel Corporation. Chrome beryllium alloy steel and articles of manufacture produced therefrom. 2,403,141; July 2.
- Toulmin, Harry A., Jr.: *See—*
- Waldie, William A., and Toulmin.
- Toulmin, Harry A., Jr., Oakwood, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Powder metallurgy. 2,393,130; Jan. 15.
- Toulmin, Harry A., Jr., Oakwood, assignor, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio. Pigmented resin gel. 2,408,555; Sept. 24.
- Toussaint, Walter J.: *See—*
- Quattlebaum, William M., Jr., and Toussaint.

- Tower, Charles H.: *See*—
Lowey, Francis J., and Tower.
- Tower, Dell K.: *See*—
Rietz, Earl B., and Tower.
- Townmotor Corporation, assignee: *See*—
Guerin, Paul R.
- Guerin, Paul R., and Musgrave.
- Town, Edward W., Philadelphia, Pa. Cushion for artificial dentures. 2,392,513; Jan. 8.
- Towne, Edmund B., J. B. Dickey, and J. R. Byers, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds. 2,398,454; Apr. 16.
- Towner, Stanley H., and P. A. Childs, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electromagnetic relay. 2,411,563; Nov. 26.
- Townhill, Arthur, assignor to Thompson Products, Inc., Cleveland, Ohio. Quick disconnect coupling. 2,397,576; Apr. 2.
- Townhill, Arthur, assignor to Thompson Products, Inc., Cleveland, Ohio. Making plug type hollow poppet valves. 2,410,190; Oct. 29.
- Townsend, Donald K.: *See*—
Schmidt, Walter M., and Townsend.
- Townsend, George E., Brooklyn, N. Y. Fuel control mechanism. 2,398,199; Apr. 9.
- Townsend, Mark A.: *See*—
Whiteside, Jack R., and Townsend.
- Townsend, Mark A., Cleveland Heights, Ohio, assignor to General Electric Company. Starting control for electric discharge devices. 2,408,493; Oct. 1.
- Townsend, Raymond L., Wichita, Kans. Welding electrode holder. 2,401,523; June 4.
- Townsend, Roy, West Bend, Wis. Clutch. 2,401,524; June 4.
- Townsey, Malcolm G., Park Ridge, assignor to The Bell & Howell Company, Chicago, Ill. Clamping device and clamp strip therefor. 2,393,842; Jan. 29.
- Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Alkyl ester esters of phenylphosphonic acid. 2,400,577; May 21.
- Trachtenberg, Samuel, Cleveland, Ohio. Jewelry box. 2,410,760; Nov. 5.
- Track, Laura K., Brooklyn, N. Y. Thread holding and cutting device. 2,402,696; Oct. 25.
- Tracy, Atlee H., Sarasota, Fla. Resilient vehicle wheel. 2,393,721; Jan. 29.
- Tracy, John M., and H. G. Veeder, Loudonville, N. Y. Signal device. 2,409,166; Oct. 8.
- Trader, Russell V., Mifflin Township, Allegheny County, Pa. Airplane tail support. 2,394,825; Feb. 12.
- Trader, Russell V., Mifflin Township, Allegheny County, Pa. Tail skid connection for airplanes. 2,394,826; Feb. 12.
- Traders Supplies Limited, assignee: *See*—
Halvey, Arthur F.
- Trafford, James E., Chicago, Ill. Medical suction apparatus. 2,400,178; May 14.
- Trafton, Mark, Jr.: *See*—
Reif, Ernest O., and Trafton.
- Traction, Warren L., Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cable harness caplet. 2,404,110; July 16.
- Trager, John, Malden, Mass. Drum cleaning machine. 2,395,593; Feb. 26.
- Trall, Herbert H., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. One-way brake. 2,392,013; Jan. 1.
- Trailer Company of America, The, assignee: *See*—
Black, James J.
- Trailmobile Company, The, assignee: *See*—
Black, James J.
- Trainer, Maurice N., East Orange, N. J., assignor to American Brake Shoe Company, New York, N. Y. Brake shoe. 2,402,101; June 11.
- Transfors, Carl G., Götterburg, Sweden. Camera shutter. 2,398,567; Apr. 16.
- Transit Research Corporation, assignee: *See*—
Piron, Emil H.
- Russell, William T.
- Transmission Specialties Company, assignee: *See*—
Gerst, Chris.
- Transplanters (Robot) Limited, assignee: *See*—
Pomeranian, Israel.
- Transradio Internacional Compania Argentina De Telecomunicaciones, Sociedad Anonima, assignee: *See*—
Noviks, Bers, and Vaio.
- Tratsch, Walter A., assignor to Clarence E. Thready, Chicago, Ill., as trustee. Coin chute. 2,392,344; Jan. 8.
- Tratsch, Walter A., assignor to C. E. Thready, Chicago, Ill., as trustee. Amusement apparatus. 2,396,762; Mar. 19.
- Tratsch, Walter A., Chicago, Ill. Reading lamp. 2,406,480; Aug. 27.
- Tratsch, Walter A., assignor to C. E. Thready, Chicago, Ill., as trustee. Amusement apparatus. 2,406,481; Aug. 27.
- Traugott, Paul, assignor to Electro-Physical Laboratories, Inc., New York, N. Y. Electrocardiograph. 2,412,639; Dec. 17.
- Traupel, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,392,622; Jan. 8.
- Traupel, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,392,623; Jan. 8.
- Traupel, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,399,152; Apr. 23.
- Traurig, Charles A., Flushing, N. Y. Adjustable shoe tree. 2,400,273; May 14.
- Traubman, Walter C., Los Angeles, Calif., assignor to Bend Aviation Corporation, South Bend, Ind. Fluid coupling. 2,393,489; Jan. 22.
- Traubman, Herbert L., Los Angeles, assignor to Zephyr Manufacturing Co., Inglewood, Calif. Stop device. 2,402,353; June 18.
- Trautner, Wagn, Hamilton, assignor to The K-D Lamp Company, Cincinnati, Ohio. Vehicle signal. 2,409,405; Oct. 15.
- Trautschold, Reginald, Passaic, N. J., assignor to Curtiss-Wright Corporation. Roller arrangement for conducting electrical current. 2,409,600; Oct. 15.
- Trautvetter, George: *See*—
Lewdinka, Joseph, and Trautvetter.
- Trautvetter, George, Jenkintown, assignor to The Budd Company, Philadelphia, Pa. Vehicle body construction. 2,407,112; Sept. 3.
- Traver Corporation, assignee: *See*—
Ullsmith, Otto.
- Traver, Oliver C., Drexel Hill, Pa., assignor to General Electric Company. Protective system. 2,403,414; Feb. 2.
- Travilla, James C., Jr., Swarthmore, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway track structure. 2,393,722; Jan. 29.
- Travilla, James C., Jr., Swarthmore, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Engine truck. 2,402,711; June 25.
- Travis, Bernard V.: *See*—
Jones, Howard A., and Travis.
- Travis, Harold A., Spokane, Wash. Floor cleaning apparatus. 2,397,707; Apr. 2.
- Travis, Henry, Ocean Beach, Calif. Rotating airplane landing wheels. 2,408,706; Oct. 1.
- Travis, Pierce M., Ridgewood, N. J., assignor, by mesne assignments, of one-fourth to J. D. Silberman and one-fourth to M. Hirsch, New York, N. Y. Stabilized dispersions and forming shaped articles. 2,404,008; July 16.
- Trawick, Jack G., Birmingham, Ala., assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,395,357; Feb. 19.
- Traxler, Ralph N.: *See*—
Best, Joseph C., and Schweyer.
- Traylor, Waldorf S., Mansfield, Mass., and D. R. Wigam, West Grove, Pa., assignors to Hercules Powder Company, Wilmington, Del. Molding compositions. 2,413,011; Dec. 24.
- Treadway, Robert H., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Preparing starch acetate. 2,399,455; Apr. 30.
- Treboux, Jules, Riehen, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Dicyanodiamide-assisted condensation products and making same. 2,405,863; Aug. 13.
- Treclakas, Jacob P., Oakville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener setting machine. 2,406,516; Aug. 27.
- Treff, Alfred: *See*—
Mero, Ralph M., and Treff.
- Trefry, Harry G., Belmont, Mass. Portable display table. 2,400,320; May 14.
- Tretz, Julius J., Evanston, and L. S. Shoberg, Glenview, assignors to Julius F. Tretz, Evanston, Ill., as trustee. Making molding material. 2,397,323; Mar. 26.
- Tremain, Henry E., and L. R. Bacon, assignors to Wyandotte Chemical Corporation, Wyandotte, Mich. Aqueous alkaline reacting cleaning bath having reduced foaming characteristics. 2,407,589; Sept. 10.
- Tremblay, Laurent: *See*—
Jamieson, Marcel, and Tremblay.
- Tremolada, Guglielmo R., assignor to Emeco Derrick & Equipment Company, Los Angeles, Calif. Air operated clutch. 2,407,043; Sept. 3.
- Trenor, Albert D., Gloucester, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of Navy. Steering control. 2,396,478; Mar. 12.
- Trent, Edward M., assignor to Powderloys Limited, Coventry, England. Separating hard constituents from sintered hard metals. 2,407,752; Sept. 17.
- Trent, Floyd E., assignor to W. F. Geyer, San Pablo, and J. H. Donnelly, San Lorenzo, Calif. Antiwear composition. 2,393,874; Jan. 29.
- Trent, Walter R., North Arlington, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Process of treating fatty glycerides. Re. 22,761; Apr. 30.
- Treseder, Richard S.: *See*—
Wachter, Aaron, and Treseder.
- Trevaskis, Henry, Solihull, assignor to Dunlop Rubber Company Limited, London, England. Electrical switch apparatus for operating devices on aircraft, and other purposes. 2,397,386; Mar. 26.

- Trevaskis, Henry, Foleshill, Coventry, assignor to Dunlop Rubber Company Limited, London, England. Firing mechanism of automatic guns. 2,397,387; Mar. 26.
- Trevaskis, Henry W., Solihull, Birmingham, assignor to Dunlop Rubber Company, Limited, London County, England. Solenoid. 2,403,315; July 2.
- Trevino, Innocent, Los Angeles, Calif. Flatiron holder. 2,410,534; Nov. 5.
- Trevisan, Italo Raymond, Newark, N. J. Knotless package tie. Re. 2,27,753; May 7.
- Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Pulse signaling system. 2,401,619; June 4.
- Trexler, Richard R., Evanston, Ill. Liquid dispensing apparatus. 2,404,258; July 16.
- Triangle Engineering Company, assignee: See—Saunders, Enos P.
- Triant, William, assignee: See—Crawford, Elliot G.
- Tribune Company, assignee: See—Wolf, Otto R.
- Tribusson, Victor, Norwood, Mass. Steam boiler. 2,401,988; June 11.
- Trice, William T., Mobile, Ala. Helicopter. 2,399,076; Apr. 23.
- Trico Products Corporation, assignee: See—Horton, Erwin C.
- Tricoli, Frank, Hoboken, N. J. Air attachment for rivet heaters. 2,400,894; May 28.
- Triller, Benjamin J., assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Window construction. 2,408,555; July 9.
- Trilling, David M., assignee, et al.: See—Trilling, David M., and Rich.
- Trilling, David M., Merion, and G. H. Rich, Philadelphia, assignors to D. M. Trilling, Merion, and H. Montague, Philadelphia, Pa. Space heater. 2,405,072; July 30.
- Trimbach, Clem G., Eggertsville, N. Y., assignor to Curtiss-Wright Corporation. Multiple ammunition boxes. 2,398,263; Apr. 9.
- Trimbach, Clem G., Eggertsville, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Arresting gear. 2,408,354; Sept. 24.
- Trimbach, Clem G., Eggertsville, and P. M. Birk, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Interrupter for flexibly mounted guns. 2,397,577; Apr. 2.
- Trimble, Harold C., Miami Springs, Fla. Capsule container and vender. 2,404,009; July 16.
- Trimble, Lynde B., North Hollywood, Calif. Producing color prints and products. 2,396,726; Mar. 19.
- Trimble Nurseryland Furniture, Inc., assignee: See—Swazey, Edward S.
- Trime Company Inc., assignee: See—Stanton, Le Roy W., Close, and Hess.
- Trinkel, Benjamin H., Providence, R. I. Sleeping jacket. 2,401,591; June 4.
- Trinkle, Dallas R., Dayton, Ohio, assignor to Merco-Trinkle Machine Co., San Francisco, Calif. Contouring machine. 2,404,149; July 16.
- Trinkle, Frederick A., assignee: See—Schwindt, Jack, and Trinkle.
- Trinks, Willibald, Pittsburgh, Pa., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Driving means for roller electrodes and the like. 2,412,009; Dec. 3.
- Triple Insulator Company, The, assignee: See—Aschenbrener, Rudolph A.
- Triplett, Ray L., assignee: See—Lingel, Frederick J.
- Triplett, Thomas L., Encino, Calif. Vaporizing means. 2,406,517; Aug. 27.
- Tripp, Chester D., Chicago, Ill. Lock nut making machine. 2,408,457; Oct. 1.
- Tripp, Eldon L.: See—Shoop, Glen C., and Tripp.
- Trisler, Milton A., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Altitude compensator for fuel pumps. 2,406,973; Sept. 3.
- Trist, Arthur R., London, W.1, England. Method and machine for burnishing the surface of paper. 2,404,606; July 23.
- Trobeck, Carl G.: See—Bergstrom, Hilding O. V., and Trobeck.
- Troedson, Carl R., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Building construction. 2,397,388; Mar. 26.
- Troell, Roy B., Schenectady, N. Y., assignor to General Electric Company. Phase comparator. 2,405,073; July 30.
- Trofimov, Lev A., Willoughby, Ohio. Power apparatus for driving loads at variable speeds. 2,397,062; Mar. 10.
- Troeger, Arthur M., East Stroudsburg, Pa., assignor to Line Material Company, Milwaukee, Wis. Operating mechanism for electrical switches. 2,410,253; Oct. 29.
- Troel, Arthur E., Berkeley, Calif. Grouting. 2,411,011; Nov. 12.
- Trojan Powder Company, assignee: See—Tapazian, Charles F.
- Wylar, Joseph A.
- Troller, Theodor H., and C. P. Jenkins, New Philadelphia, Ohio, assignors to La-Del Conveyor & Manufacturing Company. Fan and motor structure. 2,397,169; Mar. 26.
- Troller, Theodor H., and C. P. Jenkins, New Philadelphia, Ohio, assignors to La-Del Conveyor & Manufacturing Company. Fan and motor mounting. 2,397,171; Mar. 26.
- Tronic, Max, Worcester, Mass. Ironing board. 2,406,050; Aug. 30.
- Tropiano, Anthony, East Portchester, Conn. Making heat-resistant cementitious material. 2,410,761; Nov. 5.
- Tropical Plantations Limited, assignee: See—Hitchcock, Stanley I.
- Trostler, Fredrick, and T. Andrews, Whitford, near Holywell, North Wales, assignors to The Sink and Float Corporation, New York, N. Y. Separation of solid materials of different specific gravity. 2,398,127; Apr. 9.
- Trotter, John C.: See—Maurer, Le Roy F., and Trotter.
- Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Ordnance. 2,396,136; Mar. 5.
- Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Ordnance. 2,397,449; Mar. 26.
- Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Shock absorbing gun mount. 2,409,404; Oct. 15.
- Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft gun mount. 2,409,405; Oct. 15.
- Trout, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Machine gun feed mechanism. 2,413,665; Dec. 31.
- Trotter, John C., Burlington, Vt., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Safety control mechanism for power-operated ordnance. 2,409,406; Oct. 15.
- Trotter, John C., Burlington, Vt., assignor to Bell Aircraft Corporation. Gun mount. 2,410,614; Nov. 5.
- Trotter, John C., Burlington, Vt., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Gun and sight mounting. 2,412,169; Dec. 3.
- Trotter, John C., Williamsville, L. W. Holland, Kenmore, and G. E. Schultz, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Ordnance. 2,401,989; June 11.
- Trout, Glen H.: See—Bannerman, Gordon H., Curran, and Trout.
- Troxell, George E., Berkeley, Calif., assignor to Kalman Floor Company, Inc., New York, N. Y. Rotary troweling machine. 2,394,274; Feb. 5.
- Troxell, George E., Berkeley, Calif., assignor to Kalman Floor Company, Inc., New York, N. Y. Concrete surfacing machine. 2,400,321; May 14.
- Troxler, Charles G., North Canton, assignor to The Hoover Company, Canton, Ohio. Suction cleaner. 2,405,170; Aug. 6.
- Troxler, Charles G., Canton, assignor to The Hoover Company, North Canton, Ohio. Air cleaner. 2,406,931; Sept. 3.
- Troxler, Charles G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,409,082; Oct. 8.
- Truax, Dave E.: See—Griffin, Ira L., Truax, and Nuttall.
- Truax, Robert C., R. C. Stiff, Jr., W. Schubert, and J. R. Patton, Jr., U. S. Navy, and R. Youngquist, Annapolis, Md. Two-stage rocket system. 2,408,111; Sept. 24.
- Truax, Robert C., R. C. Stiff, Jr., W. Schubert, and J. R. Patton, Jr., U. S. Navy, and R. Youngquist, Annapolis, Md. Rocket motor cooling system. 2,408,112; Sept. 24.
- Truckess, David B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York. Voltage regulator. 2,392,434; Jan. 8.
- Truktor Corporation, The, assignee: See—Keller, George, Jr.
- True, Edwin S.: See—Vogel, V., and True.
- Truesdell, Robert S., Los Angeles, assignor of thirty-five one-hundredths to F. E. Howell, Long Beach, and twenty-five one-hundredths to F. W. Harrington, Los Angeles, Calif. Reconditioning files. 2,405,101; July 30.
- Truesdell, Virginia M., Los Angeles, Calif. Body garment. 2,409,601; Oct. 15.
- Truitt, Joseph A., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Asbestos yarn. 2,401,389; June 4.
- Trumbull Electric Manufacturing Company, The, assignee: See—Anderson, William, and Naber.
- Anderson, William C., Carlson, Elmer T., Getchell, Benjamin E.
- Trumbull, Fred W., Los Altos, Calif. Combination for use in accounting. 2,401,030; May 28.
- Trumbull, Walter M., Newark, and B. W. Kinyon, Bloomfield, N. J., assignors to Radio Corporation of America. Electrode structure and manufacture. 2,413,267; Dec. 24.
- Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Material separating and delivery means. 2,401,208; May 28.

- Trumpler, William E., Easton, Pa., assignor to Carrier Corporation, Syracuse, N. Y. Refrigerant vapor system. 2,411,347; Nov. 19.
- Truscon Steel Company, assignee: *See*—
Mehard, Robert S.
- Trust, M. L., assignee: *See*—
Greenleaf, Robert M., and Hunt.
- Trutner, Donald G.: *See*—
Cox, James L., and Trutner.
Hofmann, Alfred, Trutner, and Wachtler.
Wachtler, Friedrich M., and Trutner.
- Tsao, Utah, assignor to The Lummus Company, New York, N. Y. Isomerization of paraffinic hydrocarbons. 2,400,669; May 21.
- Tschop, Harry E., Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y. Making sulphur-containing nickel anodes electrolytically. 2,392,708; Jan. 8.
- Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Device for switching-in and disconnecting signal apparatus. 2,394,275; Feb. 5.
- Tuck, David H., Redding Ridge, Conn. Methods of and apparatus for increasing incandescent lamp life. 2,407,113; Sept. 3.
- Tuck, David H., Redding Ridge, Conn., and K. Franck and W. Quack, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Dust tight fluorescent lighting luminaires. 2,413,666; Dec. 31.
- Tucker Aircraft Corporation, assignee: *See*—
Tucker, Preston T., Stewart, and Tanner.
- Tucker, Elton B.: *See*—
Grubb, Henry H., and Tucker.
- Tucker, Harold H.: *See*—
Hodshon, Alfred E., and Tucker.
- Tucker, Hartwell F., Detroit, Mich. Supporting rack for toothbrushes. 2,400,445; May 14.
- Tucker, John W., Manchester, Ga. Textile machinery. 2,408,587; Oct. 1.
- Tucker, Mana L., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Apparatus for centering shanks in casting diamond bits. 2,412,786; Dec. 17.
- Tucker, Nathaniel B., Louisville, Ky., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Producing esters. 2,399,959; May 7.
- Tucker, Preston T., Detroit, Mich., W. G. Stewart, and J. H. Tanner, New York, N. Y., assignors to Tucker Aircraft Corporation, Detroit, Mich. Gun mounting and control mechanism. 2,408,707; Oct. 1.
- Tucker, Theodore C.: *See*—
Adams, Arden H., and Tucker.
- Tucker, Thomas E., Montgomery, Ala. Burial bag. 2,398,477; Apr. 16.
- Tucker, Thomas T., assignor to Belle Weather Incorporated, Atlanta, Ga. Booth. 2,403,469; July 9.
- Tucker, Warren R., Dayton, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Horizontal injection press. 2,392,203; Jan. 1.
- Tucker, Warren R., Dayton, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Pump with split cylinder. 2,394,120; Feb. 5.
- Tucker, Warren R., Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Hydraulic system. 2,399,520; Apr. 30.
- Tucker, Warren R., Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Hydraulically controlled machine tool. 2,406,482; Aug. 27.
- Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Upward acting molding press. 2,410,909; Nov. 12.
- Tucker, Warren R., Dayton, and G. A. Waldie, Franklin, assignors to The Hydraulic Development Corp., Inc.; Mount Gilead, Ohio. Torque amplifier. 2,395,979; Mar. 5.
- Tuerck, Karl H. W.: *See*—
Standinger, Hanns P., and Tuerck.
- Tuerck, Karl H. W., Barton, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Oxidation of acrolein to acrylic acid. 2,397,891; Apr. 2.
- Tuerck, Karl H. W., Banstead, and H. J. Lichtenstein, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Production of alpha-chloro, beta-hydroxynitriles. 2,394,644; Feb. 12.
- Tuerck, Karl H. W., Banstead, and E. H. Brittain, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of acetic anhydride. 2,403,769; July 9.
- Tuerck, Karl H. W., Banstead, and H. J. Lichtenstein, Epsom Downs, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of acetic anhydride. 2,405,470; Aug. 6.
- Tuerck, Karl H. W., Heathfield, Buckles Way, Banstead, and E. H. Brittain, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of acetic anhydride. 2,405,471; Aug. 6.
- Tuerck, Karl H. W., Banstead, and H. J. Lichtenstein, Epsom, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of hydroxy acids. 2,411,700; Nov. 26.
- Tuerck, Karl H. W., Banstead, and H. J. Lichtenstein, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Production of acetoacetic esters and their homologues. 2,412,928; Dec. 17.
- Tulin Corporation, assignee: *See*—
Bennett, John M.
- Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dispensing apparatus. 2,403,470; July 9.
- Tullar, Benjamin F., East Greenbush, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Preparation of intermediates useful for amino acid syntheses. 2,393,723; Jan. 29.
- Tollis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Portable stove. 2,397,766; Apr. 2.
- Tumulty, Charles L., assignee, et al.: *See*—
Zorich, Stephen.
- Tumulty, Forrest H., assignee, et al.: *See*—
Zorich, Stephen.
- Tung-Sol Lamp Works, Inc., assignee: *See*—
Atkins, Carl E.
Barreis, Max.
Braunsdorff, Reginald K., and Curtis.
Kew, Frank R., and Bannan.
Kuhlman, Richard.
Whipple, George B.
- Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Wave conversion. 2,406,932; Sept. 3.
- Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Radio relaying. 2,407,212; Sept. 3.
- Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Radio relaying. 2,407,213; Sept. 3.
- Tunis, Richard M., Kennett Square, Pa. Magnetic separator. 2,392,624; Jan. 8.
- Tunley, Allan A., assignor to Baker Perkins, Limited, Peterborough, England. Conveyor mechanism. 2,403,249; July 2.
- Tunley, Allan A., Peterborough, assignor to Baker Perkins Limited, Peterborough, Northampton, England. Air blast nozzle device for enrobers or chocolate coating machines and the like. 2,410,792; Nov. 5.
- Turbett, Forrest L., Joplin, Mo., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Polishing material and making same. 2,396,398; Mar. 12.
- Turcbin, Maurice, Dearborn, and C. Walker, Detroit, Mich. Hydraulic duplicating milling attachment for rotary tables. 2,401,803; June 11.
- Tureco Products, Inc., assignee: *See*—
Holman, Emmette R.
Stine, Carl A.
Thornbury, Sydney G.
- Turechek, George F., assignor to Lane-Wells Company, Los Angeles, Calif. Gun perforator. 2,391,932; Jan. 1.
- Turechak, Harry: *See*—
Turechak, John and H.
- Turechak, John and H., Yonkers, N. Y. Automatic lubricator for tailstock centers. 2,409,324; Oct. 15.
- Turin, John J., West Newton, Mass., and A. W. Peters, assignors, by mesne assignments, to Surface Combustion Corporation, Toledo, Ohio. Fuel fired vacuum furnace. 2,404,323; July 16.
- Turinsky, Otto: *See*—
Ralston, Anderson W., and Turinsky.
- Turk, Amos, Mount Lebanon, Pa., and P. D. Boone, Washington, D. C. Conjugated fatty polyene compounds. 2,408,380; Aug. 6.
- Turkel, Henry, Detroit, Mich. Retaining guard guide for needles. 2,402,306; June 18.
- Turkevich, John: *See*—
Taylor, Hugh S., and Turkevitch.
- Turnbull, Stockton G., Jr.: *See*—
Turnbull, Stockton G., Jr., and Holbrook, & Turnbull.
- Turnbull, Stockton G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sterol derivatives and their production. 2,393,075; Jan. 15.
- Turnbull, William J., Towson, and W. Buckel, Parkville, assignors to The Glenn L. Martin Company, Middle River, Md. Rocket firing tube. 2,398,871; Apr. 23.
- Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Concentric line oscillator. 2,408,355; Sept. 24.
- Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Ultra high frequency tuner. 2,408,895; Oct. 8.
- Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Microwave multiband tuner. 2,408,896; Oct. 8.
- Turner, Arthur F.: *See*—
Swope, Joe E., Jr., Turner, and Ulrich.
- Turner, Arthur F., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Surface testing device. 2,394,951; Feb. 12.
- Turner, Arthur F., Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Reflecting element for polarized light. 2,409,407; Oct. 15.
- Turner, Benjamin B.: *See*—
Hastings, Sam H., and Turner.
- Turner, Charles K., Broadview Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Electrolytic cleaning apparatus. 2,398,059; Apr. 9.
- Turner, Charles L., Chicago, Ill. Stool-type latrine aid. 2,399,960; May 7.

- Turner, Charles L., assignor to L. J. Turner, Long Beach, Calif. Pin clearing apparatus. 2,411,948; Nov. 19.
- Turner, Edgar P., Jr. *See* Happe, Reynold, and Turner.
- Turner, Edwin E., Jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,398,815; Apr. 23.
- Turner, Edwin E., Jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Submarine signaling. 2,398,816; Apr. 23.
- Turner, Edwin E., Jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. High frequency vibrator. 2,402,697; June 25.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sending and receiving apparatus. 2,407,328; Sept. 10.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,329; Sept. 10.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Direction determining system. 2,407,330; Sept. 10.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,408,113; Sept. 24.
- Turner, Edwin E., Jr., West Roxbury, assignors, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for echo distance measurement. 2,408,458; Oct. 1.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Oscillator. 2,410,112; Oct. 29.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Oscillator. 2,410,113; Oct. 29.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Magnetostrictor oscillator. 2,411,911; Dec. 3.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for echo distance measurement. 2,412,284; Dec. 10.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Signaling system. 2,412,910; Dec. 3.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Producing mechanical vibrations. 2,413,012; Dec. 24.
- Turner, Floyd F., assignor to The Haughton Elevator Company, Toledo, Ohio. Overload safety switch for elevators. 2,404,415; July 23.
- Turner, Francis L. A., assignor to Harrison Enterprises Limited, Montreal, Quebec, Canada. Automatic loading device. 2,393,432; Jan. 22.
- Turner, Frank D., Neenah, Wis., assignor of one-half to H. D. Meincke, Chicago, Ill. Paper garment. 2,406,416; Aug. 27.
- Turner, Fred L.: *See*—
Wood, Glenn D., and Turner.
- Turner, George F., Chicago, Ill., assignor of one-fourth to P. S. Harper, one-fourth to C. L. Harper, Chicago, Ill., one-fourth to Harris Trust and Savings Bank, Chicago, Ill., as trustee for a trust known as "The Philip S. Harper Trust," and one-fourth to Harris Trust and Savings Bank, Chicago, Ill., as trustee for a trust known as "The Carolyn L. Harper Trust." Burner construction. 2,403,142; July 2.
- Turner, George T., New York, N. Y., and E. P. Wenzelberger, Plainfield, N. J., assignors to Johnson & Johnson. Adhesive sheets. 2,411,287; Nov. 19.
- Turner, John M., Thedford, Nebr. Automobile jack. 2,396,063; Mar. 5.
- Turner, John R., and R. C. Byers, assignors to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for grinding and polishing optical prisms. 2,394,645; Feb. 12.
- Turner, Lee L., Spring Lake, assignor to The Kardvon Engineering Corporation, Muskegon, Mich. Welding rod holder. 2,395,358; Feb. 19.
- Turner, Leighton J., assignee: *See*—
Turner, Charles L.
- Turner, Nelson C., Tulsa, Okla. Separating gases or the like. 2,398,817; Apr. 23.
- Turner, Nelson C., Tulsa, Okla. Apparatus for separating gases and the like. 2,398,818; Apr. 23.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Waste thread accumulator for wett replenishing looms. 2,395,436; Feb. 26.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread accumulator for wett replenishing looms. 2,396,215; Mar. 5.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom reed. 2,396,974; Mar. 19.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check controlled by temperature. 2,397,821; Apr. 2.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for looms. 2,395,264; Apr. 9.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom. 2,400,792; May 21.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover for wett replenishing looms. 2,400,963; May 28.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle with rubber tip. 2,409,003; Oct. 8.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin receiver for wett replenishing looms. 2,411,068; Nov. 12.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Flexible bobbin receiver support therefor. 2,411,069; Nov. 12.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin receiver with movable bottom. 2,411,643; Nov. 26.
- Turner, Robert W., East Orange, N. J., assignor to Federal Electric and Radio Corporation. Selectivity adjustment coupling network. 2,400,857; May 21.
- Turner, William E., assignor to O. B. Andrews Company, Chattanooga, Tenn. Fiberboard cushioning filler for cartons. 2,410,591; Nov. 5.
- Turner, William H., Bristol, N. J. Bonded reinforcing frame. 2,410,466; Nov. 5.
- Turner, William L., assignor of one-half to B. Moore, Jr., San Antonio, Tex. Concrete bridge superstructure. 2,405,335; Aug. 6.
- Turnquist, Edwin N.: *See*—
Schuetz, Thomas J., and Turnquist.
- Turquand, William G., Brooklyn, assignor to Underwood Corporation, New York, N. Y. Typewriting machine. 2,397,578; Apr. 2.
- Turrettini, Fernand, Bellevue-Geneva, assignor to Societe des Instrumens de Physique, Geneva, Switzerland. Device for determining electrically the position of objects. 2,401,712; June 4.
- Turrettini, Fernand, assignor to the firm Societe Genevoise D'Instrumens de Physique, Geneva, Switzerland. Optical device for checking the alignment of the geometrical axes of two mechanical parts. 2,402,856; June 25.
- Turski, Jozef S., London, England. Introducing an amino group into aromatic compounds. 2,401,525; June 4.
- Turtle, Rupert C., Shirley, Croydon, and D. W. Reynolds, Hackbridge, assignors to Arca Control Limited, East Croydon, England. Mechanism for transmitting rotary motion. 2,398,568; Apr. 16.
- Tuska, Clarence D., Philadelphia, Pa., assignor to Radio Corporation of America. Ticket issuing machine. 2,400,793; May 21.
- Tuska, Clarence D., Philadelphia, Pa., assignor to Radio Corporation of America. Obstacle detecting system. 2,403,622; July 9.
- Tuthill Pump Company, assignee: *See*—
Endebak, Peter.
- Tutt, Richard, Jr., J. R. Hubbard, and C. R. McKee, assignors to Peter Cooper Corporations, Gowanda, N. Y. Composition for effecting agglomeration of solids in aqueous suspensions. 2,403,143; July 2.
- Tutt, Richard, Jr., J. R. Hubbard, and C. R. McKee, assignors to Peter Cooper Corporations, Gowanda, N. Y. Composition for effecting agglomeration of solids in aqueous suspensions. 2,403,144; July 2.
- Tuttle, Alfred C., Montreal, Quebec, Canada. Portable power driven conveyer. 2,408,459; Oct. 1.
- Tuttle, Fordyce: *See*—
Mihalj, Joseph, and Tuttle.
- Tuttle, Fordyce E., assignor to Eastman Kodak Company, Rochester, N. Y. Stencil system. 2,394,902; Mar. 19.
- Tuttle, William N., assignor to General Radio Company, Cambridge, Mass. Diaphragm. 2,405,472; Aug. 6.
- Tuukkanen, Edwin C.: *See*—
Davis, Lewis, and Tuukkanen.
- Twiner, Sidney B., Flushing, and W. H. Osborn, assignors to The Consolidated Chemicals, New York, N. Y. Calcining alum. 2,402,471; June 18.
- Tweed, John A.: *See*—
Pfeiffer, Edward C., Jr., Tweed, and Jarmak.
- Tweedale, Ralph L.: *See*—
Rose, Edwin L., Tweedale, Thomas, and Frankland.
- Tweedale, Ralph L., assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,402,789; June 25.
- Tweedale, Ralph L., assignor to The Waterbury Tool Company, Waterbury, Conn. Ammunition hoist. 2,403,887; July 9.
- Tweedale, Ralph L., assignor to The Waterbury Tool Company, Waterbury, Conn. Ammunition hoist. 2,403,887; July 9.
- Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Pump for power transmissions. 2,411,602; Nov. 26.
- Tweeddale, George W., Glendale, Calif. Dissolving sulphur from ores. 2,409,405; Oct. 15.
- Tweedie, Charles E., Great Lakes, Ill., assignor, by mesne assignments, to T. Flinchbaugh, Houston, Tex. Hydraulic relief valve. 2,408,708; Oct. 1.

- Twentieth Century-Fox Film Corporation, assignee: *See*—
Corcoran, James P.
Harris, Alvin S.
Hulburt, George D., and Conaway.
Miller, Ernest M.
- Twin Coach Company, assignee: *See*—
Fageol, William B.
- Twin Disc Clutch Company, assignee: *See*—
Batten, Percy H.
Vanderzee, Harry H.
- Twining, George E., U. S. Navy, Floral Park, and J. J. Torrance, Lynbrook, N. Y. Remote control of guns in elevation and train. 2,397,172; Mar. 26.
- Twitty, Robert W. *See*—
Greene, Oren W., Twitty, and Richie.
- Tykeson, Martin, Hamden, Conn. Door check. 2,411,481; Nov. 19.
- Tyler, Barnwell S.: *See*—
Ryan, Commodore D., Dempsey, Straub, and Tyler.
Tyler, John D., Stamford, Conn. Printing press. 2,394,026; Feb. 5.
- Tyler, John M., West Hartford, and S. K. Hoffman, Wilhamsport, Pa., assignors to The Aviation Corporation, New York, N. Y. Driving mechanism. 2,407,114; Sept. 3.
- Tyler, Paul J., assignee, et al.: *See*—
Lawler, Frank P.
- Tyler, Ransom, Greenfield, assignor to The Oilgear Company, Milwaukee, Wis. Winder drive. 2,398,265; Apr. 9.
- Tyler, Ransom, Greenfield, assignor to The Oilgear Company, Milwaukee, Wis. Multiple table drive. 2,410,694; Nov. 5.
- Tyler, Richard G., Seattle, Wash. Disposal of sulphite waste liquor. 2,392,435; Jan. 8.
- Tyler, W. S., Company, The, assignee: *See*—
Brown, Hugh E., and Grant.
Disbro, Ira R., and Conlton.
- Tyler, Walter S., Philadelphia, Pa., assignor to Tide Water Associated Oil Company, Bayonne, N. J. Wax compositions. 2,399,521; Apr. 30.
- Tynan, James N.: *See*—
Geerlings, Gerald K., and Tynan.
- Tyner, Daniel, Stockton-on-Tees, England. Manufacture of phenols. 2,407,044; Sept. 3.
- Tyner, Daniel, Stockton-on-Tees, England. Manufacture of phenols or salts thereof. 2,407,045; Sept. 3.
- Tyner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Magnetic arc starter for welding machines. 2,399,771; May 7.
- Tyner, Joseph M., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gravity-feed arc-welding apparatus. 2,412,660; Dec. 17.
- Tyron, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of acylated amino hydroxy compounds by the action of acid anhydrides on 2-oxazolinones. 2,410,318; Oct. 29.
- Tyrrill, Robert V.: *See*—
Horak, Stanley R., and Tyrrill.
- Tyrrill, Warren A., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling arrangement for use in wave transmission systems. 2,410,114; Oct. 29.
- Tyskewicz, John P., assignor to The Maxim Silencer Company, Hartford, Conn. Reducing back pressure in silencers. 2,413,086; Dec. 24.
- Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Cracking of hydrocarbon oils. 2,411,603; Nov. 26.
- Tyson, Jay, Cleveland, Ohio. Scabbard. 2,399,522; Apr. 30.
- Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Power limiting carburetor. 2,399,077; Apr. 23.
- Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Airplane engine mixture control. 2,399,078; Apr. 23.
- Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Dual carburetor. 2,399,079; Apr. 23.
- Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Governor. 2,399,080; Apr. 23.
- Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Governor. 2,407,115; Sept. 3.
- Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Fuel pump. 2,409,965; Oct. 22.
- Udale, Stanley M., and B. Beard, Detroit, Mich., assignors to G. M. and E. Holley. Pressure carburetor. 2,396,031; Mar. 5.
- Udale, Stanley M., and W. R. Buick, Detroit, Mich., assignors to G. M. and E. Holley. Safety device. 2,407,116; Sept. 3.
- Udall, Frederick M., New York, N. Y. Latch mechanism. 2,398,386; Apr. 9.
- Udall, Frederick M., and P. Baumgarten, New York, N. Y. Latch mechanism. 2,404,670; July 23.
- Udell, Philip J., Chicago, Ill. Strainer. 2,398,978; Apr. 23.
- Udy, Marvin J., Niagara Falls, N. Y. Chromate production. 2,402,102; June 11.
- Udy, Marvin J., Niagara Falls, N. Y. Production of chromium compounds. 2,402,103; June 11.
- Udylite Corporation, The, assignee: *See*—
Brown, Henry.
Brown, Henry, and Hurley.
High, Le Roy B., and Harmon.
High, Le Roy B., and Lindh.
Phillips, William M., Jr.
- Uhl, Arthur W., Inwood, Long Island, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Vibration preventing syphon tube support. 2,410,763; Nov. 19.
- Uhllein, George V., assignor to M. J. Whitall Associates Inc., Worcester, Mass. Three tone fabric and making same. 2,410,764; Nov. 5.
- Ullrich, Edmund, Newark, N. J. Resettable snap action thermal limit switch. 2,394,121; Feb. 5.
- Ulberg, John A., Sioux Falls, S. Dak. Furnace. 2,395,594; Feb. 26.
- Ulbrich, Ernest H., Dubuque, Iowa. Bottle carrier. 2,397,703; Apr. 2.
- Ullinski, Bronislav, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pallet. 2,412,184; Dec. 3.
- Ullman, Henry K., Washington, D. C. Cabinet and machine support. 2,401,526; June 4.
- Ullman, Otto F., Ellsworth, Kans. Spare tire carrier for trucks or the like. 2,400,274; May 14.
- Ullmann, Harry M., Bethlehem, Pa. Modified oil. 2,398,763; Mar. 19.
- Ullrich, Omar A., Jr.: *See*—
Swope, Joe E. Jr., Turner, and Ullrich.
- Ullsmit, Otto, assignor to Traver Corporation, Chicago, Ill. Cell case partition machine. 2,398,872; Apr. 23.
- Ulrich, Theodore, Milwaukee, Wis., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Wheel and motor suspension, especially for automobiles. 2,403,145; July 2.
- Ulrich, Theodore, Milwaukee, Wis., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Body for vehicles, especially for pleasure automobiles. 2,404,870; July 30.
- Una Welding Inc., assignee: *See*—
Skuhrovec, Joseph.
- Uncas Manufacturing Company, assignee: *See*—
Barbieri, Nicholas.
Sorrentino, Vincent.
- Underwood, Benjamin F., and J. C. Grant, Easley, S. C. Stop motion for carding machines. 2,400,275; May 14.
- Underwood Corporation, assignee: *See*—
Mann, Miles H.
Pitman, Henry L.
Pitman, Richard W.
Sagner, Walter T.
Sundstrand, E. J.
Turquand, William G.
Yaeger, Harry C.
- Underwood, Cyril J., assignor to Dowty Equipment Limited, Cheltenham, England. Resilient unit for operation in tension. 2,395,595; Feb. 26.
- Underwood, Cyril J., assignor to Dowty Equipment Limited, Cheltenham, England. Resilient telescopic unit. 2,404,111; July 16.
- Underwood, James E., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Method and machine for assembling articles. 2,405,074; July 30.
- Underwood, James W.: *See*—
D'Alasio, Giacomo F., and Underwood.
- Underwood, Ney W., Jr., assignee: *See*—
Sadtler, Robert E.
- Underwood, William F., Oak Ridge, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of rayon. 2,413,123; Dec. 24.
- Undy, Gustav E.: *See*—
Collom, Cletius J., and Undy.
- Undy, Gustav E., Detroit, Mich., assignor, by mesne assignments, to C. J. Collom. Timing control system. 2,401,780; June 11.
- Unger, Chester E., assignor to American Foundry Equipment Company, Mishawaka, Ind. Metallurgy. 2,398,455; Apr. 16.
- Unger, Paul O.: *See*—
Dawson, George H., and Unger.
- Unger, Sidney, New York, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Retractable lamp structure. 2,401,390; June 4.
- Ugnade, Herbert E.: *See*—
Smith, Lee I., and Ugnade.
- Union Asbestos & Rubber Company, assignee: *See*—
O'Connor, Arthur F.
- Union Bag & Paper Corporation, assignee: *See*—
Read, Robert E.
- Union Carbide and Carbon Corporation, assignee: *See*—
Bucknam, James H.
Bucknam, Worthy C.
Siver, Chester A.
- Union Industries, Incorporated, assignee: *See*—
Smith, Edwin G.
- Union Machine Company, assignee: *See*—
O'Neill, Edward M.
- Union Metal Manufacturing Company, The, assignee: *See*—
Riemenschneider, Edmund W., and Rastetter.

Union Oil Company of California, assignee: *See—*

Amott, Earl.
Amott, Earl, and Grebe.
Anderson, Benjamin T., and Flaxman.
Berg, Clyde H. O.
Bradley, William E.
Byrns, Alva C.
Carr, Donald E.
Doumani, Thomas F.
Doumani, Thomas F., and Berg.
Doumani, Thomas F., and Cuneo.
Doumani, Thomas F., and Deery.
Doumani, Thomas F., and Skinner.
Farkas, Adalbert, and Stribley.
Fischer, Paul W., and Jenkins.
Flaxman, Marcus T.
Huffman, Hal C.
Jenkins, Vance N.
Kollen, Myron H.
Lake, George R.
Lien, Elvin B.
Ott, Thomas F.
Parker, Robert L., Jr., and Huffman.
Reed, Homer C., and Holt.
Stirton, Robert I.

Union Special Machine Company, assignee: *See—*

Attwood, John G.
Christensen, Norman V., and Sauer.
Christensen, Norman V., Le Vesconte, and Schweda.
Le Vesconte, Harold J.
Le Vesconte, Harold J., and Cook.
Rubel, Charles F.
Rubel, Charles F., and Schweda.
Sauer, George.
Sauer, George, Schweda, and Smith.

Union Starch & Refining Company, assignee: *See—*

Fetzer, Walter R.

Union Switch & Signal Company, The, assignee: *See—*

Agnew, Norman F.
Baughman, George W.
Brown, Robert H.
Clark, Gerald T.
Coley, James P.
Douglass, Myrl R.
Fereday, Frederick T.
Gilbert, Chalmers W.
Hays, Thomas W.
Hedding, Linnie K.
Ihrig, Clifford D.
Jackel, Arthur P.
Jerome, Arthur L.
Konrad, William L.
Laurenson, Robert M.
Law, John C.
Lewis, Lloyd V.
Logan, John W., Jr.
Lower, Carl F.
Miller, Alfred B.
Nicholson, Frank H.
Pascoe, Frank T., and Jerome.
Pelikan, John M.
Place, Willard P.
Place, Willard P., and Miller.
Rudolph, Harold V.
Snyder, Roger M.
Sorensen, Andrew J.
Temple, George L.
Thompson, Howard A.
Van Horn, James J.
Volz, Carl.
Wells, Wesley B.
Whitlock, Leland D.
Young, Henry S.

Union Trust Company of Pittsburgh, The, executor, et al.: *See—*

Frost, Frank R.

Unit Rays, Inc., assignee: *See—*

Hebeler, Edward S.
Longoria, Antonio, and Girtl.

Unit Structures, Inc., assignee: *See—*

Friedman, Abraham, and Thompson.

United Advertising Corporation, assignee: *See—*

Hathaway, William R.

United Aircraft Corporation, assignee: *See—*

Anderson, John E.
Buck, Richard S., and Kaltinsky.
Bulvid, Michel D.
Caldwell, Frank W.
Caldwell, Frank W., Martin, and Vincent.
Cole, Gilmore N.
Cronstedt, Val.
Cronstedt, Val., and Kaltinsky.
Firestone, Floyd A.
Fox, Samuel S., and Palmer.
Hersey, Donald S.
Hobbs, Leonard S.
Hobbs, Leonard S., and Willgoos.
Hofbauer, Caspar E.
Kaltinsky, Andrew.
Katzberg, Eugene.
Ledwith, Walter A.
Lee, John G.

United Aircraft Corporation, assignee: *See—Continued*

Lucke, Charles E.
Martin, Erle.
Martin, Erle, and Eaton.
Meitzler, Donald E.
Merry, Arthur A.
Newcomb, Philip P.
Parkins, Wright A.
Pierce, Wayne M.
Poole, David M.
Pratt, Perry W.
Rhines, Thomas B.
Richmond, Nelson R.
Rockwell, Albert M.
Sikorsky, Igor I.
Thompson, Ransom S.
Willgoos, Andrew V. D.
Zimmerman, Charles H.

United Aircraft Products, Inc., assignee: *See—*

Culver, Marilyn M.
Cruzan, Harold.
Cruzan, Harold, and Warrick.
Dykeman, Reuben G.
Geddes, Walter H.
Hannah, Percy C.
Parker, Percy L.
Rogers, Eli M.

Warrick, Edward C., and Cruzan.

Wolcott, Glenn W.

United Air Lines, Inc., assignee: *See—*

Sandretto, Peter C., and Buckthal.

United Autographic Register Co., assignee: *See—*

Euth, John E.

Winter, Charles L.

United Brick & Tile Company, assignee et al.: *See—*

Francis, Wilbur C.

United Carbon Company, Inc. (Maryland), assignee: *See—*

Skog, Robert W.

United-Carr Fastener Corporation, assignee: *See—*

Churchill, Wilmer H.

Griffin, Theodore R.

Hall, Charles L.

Johnson, Frank E.

Parkin, Leslie.

Trafton, Warren L.

Woodward, Clement A.

United Cotton Products Company, assignee: *See—*

Ball, Albert L.

United Drill and Tool Corporation, assignee: *See—*

Kronwall, Konstantin.

United Ebonite & Lorrival Limited, assignee: *See—*

Davies, Benjamin L.

United Electric Controls Company, assignee: *See—*

Leupold, Henry G.

United Engineering & Foundry Company, assignee: *See—*

Knudsen, Earl, and Talbot.

United Engineers & Constructors, Inc., assignee: *See—*

Haug, John S.

United Fruit Company, assignee: *See—*

Reif, Ernest O., and Trafton.

United Gas Improvement Company, The, assignee: *See—*

Breuer, Frederick W.

Chaney, Newcomb K.

Franz, Raymond A.

Millbourne, Charles G.

Smoker, Edward H.

Soday, Frank J.

Stackhouse, Wilton E.

Ward, Alger L.

Weir, Horace M.

United Geophysical Company, assignee: *See—*

Hoover, Herbert, Jr.

United Last Company, assignee: *See—*

Levaggi, Victor J., Jr.

Loewer, Henry F.

United Merchants & Manufacturers, Inc., assignee: *See—*

Cordero, Tulio.

Gifford, Joseph F.

United Rexall Drug Company, assignee: *See—*

Benedict, Leon C.

Pero, George G.

United Shoe Machinery Corporation, assignee: *See—*

Abel, Walter L.

Alderman, Leon D.

Ashworth, Fred.

Ashworth, Fred, and Whitaker.

Bagshaw, Charles M.

Baker, Corwin W.

Baumgartner, Robert M., and Smith.

Bertrand, Frederic E.

Better, Francis J.

Boothroyd, Hubert.

Brophy, John J.

Cantley, Joseph C., and Pym.

Chandler, James D.

Clarke, Thomas B., and Williams.

Courchene, Theodore P.

Crawford, William A.

Crepeau, Ernest A.

Cross, Garrett P. S.

Eastman, Fred C.

Eck, Albin C.

United Shoe Machinery Corporation, assignee: *See*—Continued

Ewart, John M.
 Fernald, Mark E.
 Finn, Sidney J.
 Fitzgerald, Charles F.
 Fossa, Joseph.
 Gardner, Frank, and Bagshaw.
 Gill, Emerson C.
 Gookin, Sylvester L.
 Haas, Otto R.
 Hart, Fred V., Smith, and Linderoth.
 Hart, George T.
 Holmgren, Eric A.
 Hooper, Lester B.
 Imhof, Herman A.
 Jorgensen, Bernhardt.
 Knott, Clyde L.
 Knowlton, Cutler D., and Edgar.
 Leveque, Bernard T.
 Lyness, Horatio S.
 Megathlin, Ralph S.
 Miner, George A.
 Morrill, Alfred R.
 Naugler, Walter E.
 Newhall, Carl A.
 Oliver, John R.
 Paulsen, Hans C.
 Quinn, Edward, and Hersey.
 Quinn, Edward, and Monfils.
 Roberts, William T. B.
 Robinson, Charles A.
 Rollins, Leroy W.
 Royal, Ralph M.
 Ryan, George F.
 Senfelen, Paul W.
 Shimek, William F.
 Steimen, Lawrence E.
 Stratton, Frank E.
 Stritter, Karl A.
 Sullivan, Thomas H.
 Thresh, Frank R.
 Timson, Arthur G.
 Ushakov, Alexis E.
 Willmott, Herbert J.
 Winkley, Erastus E.
 Woodcock, Reginald B.
 United Specialties Company, assignee: *See*—
 Beatty, John T. and Bennett.
 Bennett, Dale L.
 U. S. Asbestos Cement Pipe Company, assignee: *See*—
 Ferla, John.
 U. S. Automatic Corporation, assignee: *See*—
 Nord, Eric T.
 Nord, Evan W., and Holzhauser.
 United States Catheter & Instrument Corp., assignee: *See*—
 Jeckel, Norman C.
 United States, dedicated to the free use of the people in the territory of the: *See*—
 Nash-Boulden, Stephen A.
 U. S. Electrical Motors, Inc., assignee: *See*—
 Luenberger, Frederick O.
 Myers, Thomas G.
 United States Envelope Company, assignee: *See*—
 Carroll, Francis E.
 United States, Government of, assignee: *See*—
 Hinsey, Joseph C., and Geohagan.
 United States Gypsum Company, assignee: *See*—
 Balduf, Bruno E.
 Bicknell, Alfred B.
 Camp, Thomas P.
 Frost, Orcutt W., and Conover.
 Frost, Orcutt W., and Willey.
 Hantzler, Harry N., and Norman.
 Hurd, Ralph H.
 King, George D., and Dailey.
 Linnell, Harry K.
 Lissa, Gus A.
 McNeil, William M.
 Nootens, Julian H.
 Paley, Lewis A.
 Paley, Lewis A., and Young.
 Schmidt, Marvin T.
 United States Hoffman Machinery Corporation, assignee: *See*—
 Locke, Sanford J.
 Meyer, Henry C. A.
 U. S. Industrial Chemicals, Inc., assignee: *See*—
 Balcar, Frederick R.
 Burghart, Lloyd M.
 Forman, Sylvan E.
 Hammond, John A. S.
 Manninen, Thomas H.
 U. S. Industrials Chemicals, Inc., assignee: *See*—
 Metzger, Floyd J.
 United States Instrument Corporation, assignee: *See*—
 Warnke, Herbert R.
 United States of America, assignee: *See*—
 Eksbergian, Carolus L.
 Farr, William W.
 Goehmann, Maurice H.
 Hoagland, Reginald W.
 Pope, Winslow B.

United States of America as represented by the Secretary of War, assignee: *See*—

Friedman, Maurice.
 United States Pipe and Foundry Company, assignee: *See*—
 Schuh, Arthur E., and Boyles.
 United States Plywood Corporation, assignee: *See*—
 Iich, Theodore E.
 United States Quarry Tile Company, assignee: *See*—
 Feichter, Harold R.
 United States Radium Corporation, assignee: *See*—
 Wallhausen, Clarence W.
 United States Rubber Company, assignee: *See*—
 Bender, Byron W.
 Breck, Samuel, and Ebers.
 Brown, Charles F.
 Castricum, Martin.
 Chittum, James P., and Hulse.
 Coleman, Ralph A.
 Eger, Ernst.
 Evert, Ralph W.
 Foster, Boutwell H.
 Gerndt, Paul G., and Hannum.
 Hansen, Albert W., and Benson.
 Hawley, Thomas G., Jr.
 Howland, Louis H., and Paul.
 Hulawik, William H., Jr., and Wiechman.
 Hurt, Victor H.
 Kerr, Theodore W., Jr.
 Kurlychek, John L.
 Ladd, Elbert C.
 Lewis, Arthur P.
 Marick, Louis.
 Mooney, Melvin, Grabbe, and Havens.
 Nygren, Joseph W.
 Paul, Philip T.
 Peaker, Charles R.
 Smallwood, Hugh M.
 Smith, Omar H.
 Teague, Merwyn C., and Mahoney.
 Ter Horst, William P.
 White, Leland M.
 U. S. Slicing Machine Co., assignee: *See*—
 Ahndt, Arthur H.
 Brustowsky, Morris.
 United Steel Barrel Company, assignee: *See*—
 Dodson, Howard W.
 United States Steel Corporation of Delaware, assignee: *See*—
 Aborn, Robert H.
 Grange, Raymond A.
 United States Steel Supply Company, assignee: *See*—
 Cophorne, Howard N.
 United States Sugar Corporation, assignee: *See*—
 Dexter, Gregory M.
 Prewitt, William C.
 U. S. Textile Machine Company, assignee: *See*—
 Thomas, Pacific J.
 United States Vanadium Corporation, assignee: *See*—
 Burwell, Blair.
 United Steel Fabricators, Inc., assignee: *See*—
 Macleod, Donald K.
 United Stove Company, assignee: *See*—
 Breed, Carroll M., and Kirchhofer.
 Universal Atlas Cement Company, assignee: *See*—
 Boehler, Robert E.
 Universal Camera Corporation, assignee: *See*—
 Kende, George.
 Universal Development Company, assignee: *See*—
 Nelson, Richard E.
 Universal Lubricating Systems, Inc., assignee: *See*—
 Farrell, William P.
 Universal Moulded Products Corporation, assignee: *See*—
 Glavin, Robert E.
 Universal Oil Products Company, assignee: *See*—
 Allender, Samuel S.
 Alther, Joseph G.
 Angell, Charles H.
 Barnes, Marion W.
 Bloch, Herman S.
 Chenick, Joseph A., and Thompson.
 Collins, Robert B.
 Danforth, Joseph D.
 Day, Roland B.
 Day, Roland B., and Kanhofer.
 Egloff, Gustav.
 Friedman, Bernard S.
 Gerhold, Clarence G.
 Gerhold, Clarence G., and Burgess.
 Gerhold, Clarence G., and Mekler.
 Giuliani, Chester J., and Angell.
 Grosse, Aristid V., and Linn.
 Grosse, Aristid V., and Mattox.
 Grosse, Aristid V., and Pines.
 Haensel, Vladimir, and Ipatieff.
 Huff, Lyman C.
 Hulsberg, Herbert A.
 Ipatieff, Vladimir N., and Monroe.
 Ipatieff, Vladimir, and Pines.
 Ipatieff, Vladimir N., and Pines.
 Ipatieff, Vladimir N., and Schermerling.

Universal Oil Products Company, assignee: *See*—Continued

Iverson, John O.
Kanhofer, Elmer R.
Kassel, Louis S.
Kinneberg, Ivar H., and Thomas.
Lee, Edward C., and Thomas.
Leffer, Friedrich W.
Linn, Carl B., and Ipatieff.
Mayland, Harrison C.
Mattox, William J.
Mavity, Julian M.
Mavity, Julian M., and Moss.
Mekler, Lev A.
Pines, Herman.
Pines, Herman, and Bloch.
Pines, Herman, and Ipatieff.
McAfee, Jerry.
Reed, Davis, Jr.
Rodman, Hugh.
Schaad, Raymond E.
Schmerling, Louis.
Schmerling, Louis, and Durinski.
Schmerling, Louis, and Ipatieff.
Sturgeon, John F.
Thomas, Charles I.
Thomas, Charles L.
Thomas, Charles L., and Ahlberg.
Thomas, Charles L., and Hansel.
Thomas, Charles L., and Pinkston.
Thompson, Ralph B.
Thompson, Ralph B., and Chenicek.
Webb, Glenn M., and Smith.
Zimmerman, Gordon B.

Universal Paper Products Company, assignee: *See*—Amberg, Walter E.

Universal Products Company, assignee: *See*—Huff, Lyman C.

Universal Products Company Incorporated, assignee: *See*—

Dunn, George E.
Ransom, Richard B.
Universal Railway Devices Company, assignee: *See*—Bartsch, Herbert E.

Universal Slide Fastener Co., Inc., assignee: *See*—Volty, Maurice

Volty, Maurice, and Griffiths.
Universal Tobacco Machine Co., Inc., assignee: *See*—

Lindsay, John H., and Reso.
Universal Winding Company, assignee: *See*—

Beckman, Gustaf S.
Chisholm, Ralph L.

Jacobson, Walter V.
Universal Wire Spring Company, The, assignee: *See*—

Neely, William H.
University of Minnesota, Regents of the: *See*—

Smith, Lee.
University of Pennsylvania, Trustees of, assignees: *See*—

Chambers, Leslie A., and Hartline.
University of Tennessee Research Corporation, The, assignee: *See*—

Arnold, Harold A.
Hertel, Kenneth L.

Rosenthal, Fritz.
Univis Lens Company, The, assignee: *See*—

Smith, Charles V.
Unruh, Harry M.: *See*—

Holdeman, Adin F., and Unruh.
Unterschutz, Roman: *See*—

Platt, Donald R., and Unterschutz.

Unverferth, Gerard A., Dayton, Ohio. Spacer and seal for building construction. 2,413,263; Dec. 24.

Upham, John D.: *See*—
Wolk, I. Louis, and Upham.

Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of diolefins. 2,399,837; May 7.

Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,404,551; July 23.

Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst preparation. 2,406,869; Sept. 3.

Upjohn Company, The, assignee: *See*—
Fox, Sidney W.

Kulzonga, Marvin H.
Upper, John A.: *See*—

Van der Pyl, Edward, and Upper.

Upson, Ralph H., Pittsburgh, Pa. Stall warning device. 2,406,719; Aug. 27.

Urban, Fred O., Port Wayne, Ind., assignor to General Electric Company. Refrigerating machine. 2,404,010; July 16.

Urban, Fred O., Port Wayne, Ind., assignor to General Electric Company. Refrigerating machine. 2,404,112; July 16.

Urban, Joseph, Detroit, Mich. Knife sharpener. 2,406,519; Aug. 27.

Urban, Rose, New York, N. Y. Apparatus for combination games. 2,394,218; Feb. 5.

Urban, Stephen F., Chicago, Ill., assignor to Illinois Steel Corporation. Making stainless steel. 2,412,661; Dec. 17.

Urban, William J., Glen Ellyn, assignor to American Ore Reclamation Company, Chicago, Ill. Pallet and wear lug therefor. 2,401,204; May 28.

Urbanek, John C., St. Paul, Minn. Taper. 2,406,518; Aug. 27.

Urbant, Sam, Inkster, and R. L. P. Braun, Ann Arbor, Mich. Electrical heater for liquid cooled engines. 2,401,847; June 11.

Urbany, John E., Los Angeles, Calif. Fire preventing system. 2,413,087; Dec. 24.

Urbany, Urban, San Diego, Calif. Footwear sole. 2,393,577; Jan. 22.

Urmston, James, Montclair, N. J., assignor to Callender's Cable & Construction Company Limited. Manufacture of rubber or rubber-like products. 2,394,122; Feb. 5.

Urmston, James, Montclair, N. J., assignor to Callender's Cable & Construction Co., Ltd., London, England. Electric cable. 2,403,685; July 9.

Urquhart, George G., Wynnewood, assignor to National Foam System, Inc., Philadelphia, Pa. Fire extinguishing composition. 2,413,667; Dec. 31.

Urquhart, John C., assignee: *See*—
Haggart, W. Crichton W.

Urquhart, Norman J., Charleroi, Pa., assignor to Combustion Processes Company. Reduction of metallic oxide. 2,397,993; Apr. 9.

Urquhart, Norman J., Scenery Hill, assignor to Steel Processing Company, Pittsburgh, Pa. Furnace atmosphere control. 2,408,114; Sept. 24.

Urquhart, Thornton L., Detroit, Mich., assignor to Taylor-Winfield Corporation, Warren, Ohio. Blowtorch machine for cutting metal workpieces. 2,413,088; Dec. 24.

Ushakoff, Alexis E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Examining the interiors of gun barrels. 2,405,245; Aug. 6.

Usselman, George, and C. W. Hansell, Port Jefferson, N. Y., assignors to Radio Corporation of America. Oscillation generator. 2,411,765; Nov. 26.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Signaling system. 2,392,625; Jan. 8.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,399,268; Apr. 30.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Monitor probe for high-frequency transmission lines. 2,401,205; May 28.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electron discharge time delay system. 2,402,472; June 18.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wavelength modulation. 2,409,457; Oct. 15.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetron. 2,412,372; Dec. 10.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Power supply system. 2,413,391; Dec. 31.

Utermohlen, William P., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Decolorization of acrylic and alkylacrylic acids and their derivatives. 2,394,572; Feb. 12.

Utermohlen, William P., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing 4-substituted thiazoles. 2,404,416; July 23.

Utilities Distributors, Inc., assignee: *See*—
Anderson, Peter A. and E. M., Sr., Hansen, and Edwards.

Utility Fabrics Company, Inc., assignee: *See*—
Lawrence, Beardsley, Jr.

Utility Tool and Die Manufacturers, assignee: *See*—
La Berger, William C.

Utz, Chester C.: *See*—
Slack, Frederic W., and Utz.

Uxbridge Worsted Co., Inc., assignee: *See*—
Robinson.

V & O Press Company Incorporated, The, assignee: *See*—
Freeman, Raymond A.

Vaala, Gordon T.: *See*—
Hallowell, Alban L., and Vaala.

Vachon, Lionel G., Groveland, assignor to Boston Machine Works Company, Lynn, Mass. Folding machine. 2,394,211; Feb. 5.

Vacquier, Victor V., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for responding to magnetic fields. 2,408,870; Sept. 1.

Vacquier, Victor V., Garden City, N. Y., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for responding to magnetic fields. 2,407,202; Sept. 3.

Vacuum Can Company, assignee: *See*—
Haloski, Frank.

Vacuum-Science Products Limited, assignee: *See*—
Van den Bosch, Francois J. G.

Vadnals, Leo L., assignor to Herzog Iron Works, Inc., St. Paul, Minn. Abrasive cutoff machine. 2,400,794; May 21.

Valo, Candido A.: *See*—
Noviks, Bers, and Valo.

- Valas, Peter D.: *See*—
Hayden, Kenneth F., Valas, and Daley.
- Valcourt, Louis E., East Providence, assignor to Kestman Bros. Mfg. Co., Providence, R. I. Clasp for watch bracelets or the like. 2,408,279; Sept. 24.
- Valdastri, Mario, Sr., Kailua, Hawaii. Mold for forming blocks or tiles. 2,397,223; Mar. 26.
- Vale, Virgil V., and E. S. True, Oak Park, Ill.; said True assignor to said Vale. Valve for dispensers. 2,401,391; June 4.
- Valenti, Ernest, Brooklyn, N. Y. Combination valise and chair. 2,398,478; Apr. 16.
- Valentine, Frank E., Schenectady, N. Y., assignor to General Electric Company. Cam gear structure. 2,405,473; Aug. 6.
- Valentine, Frank E., and W. F. Skillin, Schenectady, N. Y., assignors to General Electric Company. System and apparatus for gunfire control. 2,409,914; Oct. 22.
- Valentine, Patrick, New York, N. Y. Circular saw device. 2,410,467; Nov. 5.
- Valentino, Michael L.: *See*—
Krylin, Oskar and H. O., and Valentino.
- Valentyne, Peter H., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Self-locking vent system. 2,404,765; July 23.
- Valton, Frederick H., Deer Lodge, Mont. Mixing paddle. 2,399,903; Mar. 19.
- Valverde, Robert, New York, N. Y. Enclosure for bassinet. 2,409,083; Oct. 8.
- Vanadium Corporation of America, assignee: *See*—
Bradt, Wilber E., and Oaks.
- Van Alstyne, Thomas J., Portland, Oreg. Dish holder. 2,398,060; pr. 9.
- Van Alstyne, Thomas J., Portland, Oreg. Bottle cap. 2,411,349; Nov. 19.
- Van Atta, Chester M., Washington, D. C., and R. H. Whitehead, New Haven, Conn. Control system and device therefor for submarine mines. 2,399,523; Apr. 30.
- Van Auken, Howard C., Bloomfield, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Low altitude bombsight. 2,392,436; Jan. 8.
- Van Auken, Howard C., Bloomfield, and G. N. Hanson, Allendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Bomb sight. 2,409,648; Oct. 22.
- Van Auken, Howard C., Bloomfield, and F. N. Esher, Rutherford, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Bombsight. 2,410,468; Nov. 5.
- Van Benschoten, William H., U. S. Navy. Card selector machine. 2,395,923; Mar. 5.
- Van Brunt, Charles G., Schenectady, N. Y., assignor to General Electric Company. Electrical contact. 2,408,471; July 9.
- Van Brunt, George H.: *See*—
Varney, Justin A. and F. M., and Van Brunt.
- Van Brunt Manufacturing Company, The, assignee: *See*—
Erdman, Theodore J.
Hyland, William A.
- Van Buskirk, Frank, Cedar Rapids, Iowa. Lever attachment. 2,402,932; July 25.
- Van Campen, Marcus G., Jr., assignee: *See*—
Shelton, Robert S. and Van Campen, Jr.
- Vance, Arthur W.: *See*—
Zworykin, Vladimir K.
- Vance, Arthur W., Cranbury, N. J., assignor to Radio Corporation of America. Electromechanical multiplying device. 2,401,527; June 4.
- Vance, Arthur W., Cranbury, N. J., assignor to Radio Corporation of America. Power supply for electron microscopes. 2,406,974; Sept. 3.
- Vance, Gilbert L., Zanesville, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio. Ferroalloy briquette and manufacture of same. 2,405,278; Aug. 6.
- Vance, Robert L., Weehawken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,411,912; Dec. 3.
- Van Cleef, Robert, et al., assignee: *See*—
Krauss, Philip
- Van Cleef Bros., assignee: *See*—
Van Cleef, Paul.
- Van Cleef, Paul, assignor, by mesne assignments, to Van Cleef Bros., Chicago, Ill. Composite panel. 2,393,843; Jan. 29.
- Van Daalen, Henry A. S., New York, N. Y. Signal means for life saving equipment. 2,410,535; Nov. 5.
- Van Daam, Gerrit, Buffalo, N. Y. Heating guns. 2,403,415; July 2.
- Vande Bogart, Leonard G., and R. W. Manuel, assignors to Crane Co., Chicago, Ill. Lubricant. 2,412,929; Dec. 17.
- Vandergriff, Ragan M., Atlanta, Ga. Lint trap. 2,403,416; July 2.
- Vandergriff, Thomas C., assignor to General Motors Corporation, Detroit, Mich. Balancing machine. 2,405,474; Aug. 6.
- Van de Kamp, Jacob, Westfield, N. J., and M. Slettinger, New York, N. Y., assignors to Merck & Co., Inc., Rahway, N. J. Production of quinolinic acid. 2,392,437; Jan. 8.
- Van Delden, William H.: *See*—
Rust, John B., and Van Delden.
- Van den Akker, Johannes A., Appleton, Wis., assignor to The Institute of Paper Chemistry. Electrical control system. 2,411,672; Nov. 26.
- Van Denburg, Thomas F., Cleveland Heights, and J. Selby, Euclid, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Safety valve mechanism. 2,412,235; Dec. 10.
- Van den Bosch, Francois J. G., Surrey, England, assignor to Vacuum Science Products Limited, London, England. Electron multiplier. 2,397,822; Apr. 2.
- Van den Bosch, Francois J. G., Surrey, England, assignor to Radio Electronics Limited. Electron multiplier. 2,408,709; Oct. 1.
- Vanderbilt, Byron M.: *See*—
Waterman, W. W., and Vanderbilt.
- Vanderbilt, Byron M., Westfield, N. J., assignor to Standard Oil Development Company. Synthetic rubberlike emulsion copolymerizates and producing same. 2,393,206; Jan. 15.
- Vanderbilt, Byron M., Westfield, N. J., and H. J. Rose, East Baton Rouge, La., assignors to Standard Oil Development Company. Production of emulsion polymerizates. 2,400,578; May 21.
- Vanderbilt, Byron M., Cranford, and R. F. Howe, Elizabeth, N. J., assignors to Jascoe, Incorporated. Preparing rubberlike materials. 2,409,915; Oct. 22.
- Vanderbilt, R. T., Company, Inc., assignee: *See*—
Alton, William H.
Alton, William H., and Hutchins.
Craig, William L.
Russell, William F.
Somerville, Albert A.
- Van der Hoeven, Bernard J. C., Pittsburgh, Pa., assignor, by mesne assignments, to Koppes Company, Inc. Fyridine recovery process. 2,393,666; Jan. 29.
- Van der Horst Corporation of America, assignee: *See*—
Van der Horst, Hendrik.
- Van der Horst, Hendrik, assignor to Van der Horst Corporation of America, Olean, N. Y. Chromium for wear resistance. 2,412,698; Dec. 17.
- Van der Jagt, Barend G. H., New York, N. Y. Drawing silvers. 2,392,709; Jan. 8.
- Vander May, William, Kalamazoo, Mich. Wall tie. 2,400,670; May 21.
- Vanderpoel, Albert G. H.: *See*—
Crozier, Harold E., and Vanderpoel.
- Van der Pyl, Edward, Holden, Mass., and J. A. Upper, Chippawa, Ontario, Canada, assignors to Norton Company, Worcester, Mass. Furnace hood construction. 2,402,190; June 18.
- Vandersee, Arnold E., assignor of one-half to H. W. Dieringer, Chicago, Ill. Turbine control. 2,411,482; Nov. 19.
- Vander Weele, John C.: *See*—
Britton, Edgar C., and Vander Weele.
- Van Der Werf, Jacob B., Pasadena, Calif., assignor to Adel Precision Products Corp. Hydraulic valve. 2,393,076; Jan. 15.
- Van Der Werf, Jacob B., Pasadena, Calif., assignor to Adel Precision Products Corp. Position control for hydraulic actuators. 2,404,552; July 23.
- Vanderzee, Harry H.: *See*—
Baldwin, Clyde P., and Vanderzee.
Simmons, Leon E., and Vanderzee.
- Vanderzee, Harry H., assignor to Twin Disc Clutch Company, Racine, Wis. Fluid operated clutch. 2,412,436; Dec. 10.
- Van Deventer, Christopher, assignor to National Plastics, Inc., Knoxville, Tenn. Bobbin for use in spinning or weaving. 2,403,417; July 2.
- Van Deventer, Harry R., New York, N. Y. Combining telephones and phonographs. 2,393,272; Jan. 22.
- Van Deventer, Harry R., New York, N. Y. Operating phonograph over communication circuits. 2,399,961; May 7.
- Van Dijk, Willem J. D., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Extraction process. Re. 2,27,788; Sept. 3.
- Van Dissel, Gysbert F., New York, N. Y. Secret telecommunication. 2,398,224; Jan. 15.
- Van Doren, Harold, Bryn Mawr, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator. 2,408,460; Oct. 1.
- Van Dorn, William E., Pasadena, Calif., assignor to Preco Incorporated. Driving mechanism. 2,413,158; Dec. 24.
- Van Dusen, Charles H., Jr., Willoughby, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Etching and dampening planographic printing plates and repellent solution therefor. 2,393,875; Jan. 29.
- Van Dusen, Lawrence W.: *See*—
Taber, Philip, and Van Dusen.
- Van Dyck, Pierre, Highland Park, and C. B. Bradley, Middlesex, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Coating. 2,402,474; June 18.
- Van Ellis, Nancy A., administratrix, assignee: *See*—
MacPherran, Friederick W. and C. C., and Van Ellis.
- Van Ess, John N., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Yoke construction for selector cocks. 2,406,483; Aug. 27.
- Van Ess, Paul R.: *See*—
Griffin, John R., and Van Ess.

- Van Ess, Paul R., Berkeley, F. J. Watson, Oakland, and G. M. Whitney, Piedmont, assignors to Shell Development Company, San Francisco, Calif. Lubricating compositions. 2,404,871; July 30.
- Vang, Alfred, assignor of one-half to Stevenson, Jordan & Harrison, Inc., New York, N. Y. Method and apparatus for producing light bulky soap particles. 2,392,072; Jan. 1.
- Vang, Alfred, Newark, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Material forming and drawing with the aid of vibration. 2,393,131; Jan. 15.
- Vang, Alfred, Newark, N. J., assignor of one-half to Stevenson, Jordan & Harrison, Inc., New York, N. Y. Making air-cooled cylinders. 2,396,216; Mar. 5.
- Vang, Alfred, assignor, by direct and mesne assignments, to Continental Can Company, Inc., New York, N. Y. Resistance welding. 2,401,528; June 4.
- Van Gasebeck, William H., Short Hills, N. J. Pelorus. 2,411,306; Nov. 19.
- Van Gilder, Carl F., Roselle, and H. C. Evans, Cranford, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Finishing isobutylene polymers. 2,395,086; Feb. 19.
- Van Gilder, Carl F., and H. G. Schneider, Roselle, N. J., assignors to Standard Oil Development Company. Metal derivatives of alkyl phenols. 2,399,878; May 7.
- Von Horn, Fred G., Nichols, Conn., assignor to General Electric Company, Circuit breaker. 2,409,917; Oct. 22.
- Van Horn, Irving H., East Cleveland, Ohio, assignor to General Electric Company. Base for electric lamps or similar devices. 2,406,271; Aug. 20.
- Van Horn, James J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. Re. 2,27,80; Aug. 13.
- Vanity Fair Mills, Inc., assignee: See—
Amidon, Roy C.
Burns, Charles R.
- Van Karner, Joseph W., New York, N. Y. Ignition or firing mechanism. 2,396,064; Mar. 5.
- Van Karner, Joseph W., New York, N. Y. Smoke-producing composition. 2,411,070; Nov. 12.
- Van Loon, Carl J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Inductance device. 2,406,720; Aug. 27.
- Van Mater, Henry L., Highland Park, N. J., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Composition for waterproofing textiles and preparation. 2,402,857; June 25.
- Vannerus, Torbjörn, Motala Verkstad, Sweden. Recuperative heat exchanger for gaseous media. 2,402,307; June 18.
- Van Nimwegen, Garret: See—
Woodell, Charles E.
Van Nimwegen, and Hager.
- Van Norman, Charles B. K., Vancouver, British Columbia, Canada. Prefabricated building construction. 2,395,162; Feb. 19.
- Van Norman Company, assignee: See—
Allen, Edward A.
Melidoni, Constantine, and Gass.
Pyne, Roger S.
- Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separating the constituents of air. 2,408,710; Oct. 1.
- Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures. 2,409,458; Oct. 15.
- Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of air. 2,409,459; Oct. 15.
- Van Orden, Leo J., Bloomfield, assignor to The M. W. Kellogg Company, Jersey City, N. J. Vitamin concentration. 2,394,909; Feb. 12.
- Van Orman, Ward T., assignor to Wingfoot Corporation, Akron, Ohio. Structure. 2,401,990; June 11.
- Van Patten Pharmaceutical Company, assignee: See—
Ferguson, Edgar A., Jr.
- Van Raalte Company, Inc., assignee: See—
Nesterowicz, John J.
- Van Rijswijk, Willem, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Centrifugal compressor. 2,401,206; May 28.
- Van Rosen, Robert, New York, N. Y. Fastening means. 2,405,914; Aug. 13.
- Van Ryan, Anthony: See—
Kyle, William D., and Van Ryan.
- Van Ryn, Bernard, Chelmsford, England, assignor to Radio Corporation of America. Switch for high-frequency circuits. 2,407,460; Sept. 10.
- Vansant, John S., Huntington Valley, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electron tube and making the same. 2,405,915; Aug. 13.
- Van Sann, Raymond H., Mount Prospect, assignor to Container Corporation of America, Chicago, Ill. Paperboard drum. 2,392,959; Jan. 15.
- Van Schwartz, Zolly C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tool. 2,404,580; July 23.
- Van Sittert, Paul, Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,397,892; Apr. 2.
- Van Sittert, Paul, Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Sheet fastener. 2,402,308; June 18.
- Van Sittert, Paul, Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,411,914; Dec. 3.
- Van Sittert, Paul, Shaker Heights, and W. R. Kovacs, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Cycle controlling device. 2,397,893; Apr. 2.
- Van Syke, Leland M., North Hollywood, Calif. Adz attachment for hammers. 2,406,110; Aug. 20.
- Van Spankeren, Gerardo H., assignor, by mesne assignments, to "Eterpen" Sociedad Anonima Financiera, also known as Eterpen S. A., Buenos Aires, Argentina. Writing instrument. 2,405,381; Aug. 6.
- Van Tilburg, Noel, Minneapolis, Minn. Boot hanger. 2,412,847; Dec. 17.
- Van Tine, Wilbur: See—
Cuming, Milton K., and Van Tine.
- Van Valkenburgh, Blanche C., New York, N. Y. Polishing composition. 2,393,844; Jan. 29.
- Van Velzer, Harry L., State College, Pa. Glass bulb and flask holder. 2,407,331; Sept. 10.
- Van Voorhees, Harold E., assignor to Borg-Warner Corporation, Chicago, Ill. Roll screen assembly. 2,406,272; Aug. 20.
- Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Trench excavating machine. 2,409,334; Oct. 15.
- Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Loading machine. 2,413,214; Dec. 24.
- Van Voorhis, William W., Antioch, assignor to Fibreboard Products, Inc., San Francisco, Calif. Machine for making containers. 2,398,200; Apr. 9.
- Van Wey, W. Ray, assignee: See—
Schrader, Raymond D.
- Van Winkle, Raymond: See—
Lott, William A., and Van Winkle.
- Van Zandt, John P., Washington, D. C. Determining great circle routes. 2,397,063; Mar. 19.
- Van Zandt, Mary L., Tulsa, Okla. Drapery and curtain tieback. 2,399,524; Apr. 30.
- Van Zelm, Willem D., Ruxton, assignor to The Glenn L. Martin Company, Middle River, Md. Aileron. 2,403,770; July 9.
- Van Zile, Benjamin S., assignor to Hercules Powder Company, Wilmington, Del. Soap composition. 2,402,473; June 18.
- Van Zoeren, Gerritt J., Holland, Mich., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Aryl alkyl amino alkanes and compositions thereof. 2,410,469; Nov. 5.
- Vapco Limited, assignee: See—
Alexander, Paul, and Cranstone.
- Vapor Car Heating Company, Inc., assignee: See—
Lehane, Timothy J., and La Rocque.
Masek, Erwin J.
Peterson, William R.
- Varcoe, Charles W., Bethel, Conn. Firearm cleaning rod centralizer. 2,409,916; Oct. 22.
- Vard, Inc., assignee: See—
Wallace, Vard B.
- Varela, Arthur A., Washington, D. C. Secondary multiplication power tube. 2,404,417; July 23.
- Varela, Arthur A., Washington, D. C. Triode oscillator circuit. 2,406,871; Sept. 3.
- Varela, Arthur A., Washington, D. C. Impulse generator. 2,408,824; Oct. 8.
- Vargels, Frank J., New York, N. Y. Photograph holder. 2,409,814; Oct. 22.
- Varian, Russell H.: See—
Hansen, William W., and R. H. and S. F. Varian.
- Varian, Russell H., Wantagh, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. High-voltage apparatus. 2,392,580; Jan. 8.
- Varian, Russell H., Wantagh, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Stereoscopic viewer. 2,408,115; Sept. 24.
- Varian, Russell H., Wantagh, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Image intensifier. 2,410,115; Oct. 29.
- Varian, Russell H., Wantagh, and W. W. Hansen, Garden City, N. Y., assignors to Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Radio transmission and reception. Re. 22,724; Feb. 19.
- Varian, Russell H., Wantagh, and W. W. Hansen, and J. B. Woodyard, Garden City, N. Y., assignors to the Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Object detecting and locating system. 2,408,825; Oct. 8.
- Varian, Russell H., Wantagh, and W. W. Hansen and J. K. Woodyard, Garden City, N. Y., assignors to the Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Transmission line. 2,412,640; Dec. 17.
- Varian, Sigurd F.: See—
Hansen, William W., and R. H. and S. F. Varian.

- Varma, Dewan C., London, England. Silencer for internal-combustion engines. 2,392,559; Jan. 8.
- Varney, Fred M.: *See—*
- Varney, Justin A. and F. M., and Van Brunt.
- Varney, Gordon, Chicago, Ill. Track structure for model railways. 2,405,533; Aug. 6.
- Varney, Justin A. and F. M., and G. H. Van Brunt, Los Angeles, Calif. Infusion apparatus. 2,401,529; June 4.
- Vartanian, John J., Hanford, Calif. Hose coupling. 2,408,243; Sept. 24.
- Vassar Company, assignee: *See—*
- Davidson, Roy H.
- Vasum, Aurel, Dayton, Ohio. Towline plug. 2,402,104; June 11.
- Vaughan, Charles S., Jr., Tusculum, Ala. Cable stripping tool. 2,398,979; Apr. 23.
- Vaughan, James R., Jr.: *See—*
- English, Jackson P., Vaughan, and Roblin.
- Vaughan, Melvin F., assignee, et al.: *See—*
- Livermont, Frank W.
- Vaughan, William E.: *See—*
- Rust, Frederick F., and Vaughan.
- Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Controlled oxidation of branched chain organic compounds. 2,395,523; Feb. 26.
- Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Addition of alkyl radicals to organic compounds. 2,396,217; Mar. 5.
- Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of organic sulphur compounds. 2,398,479; Apr. 16.
- Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of halogenated mercaptans and thio-ethers. 2,398,489; Apr. 16.
- Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyzed abnormal addition reactions. 2,398,481; Apr. 16.
- Vaughan, William E., and F. F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Organic peroxides. 2,403,771; July 9.
- Vaughan, William E., and F. F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Production of organic hydroperoxides. 2,403,772; July 9.
- Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyzed abnormal addition reaction. 2,411,983; Dec. 3.
- Vaughn, George A., Newton, Iowa, assignor to Koehring Company, Milwaukee, Wis. Dirt scraping and carrying vehicle. 2,399,838; May 7.
- Vaughn Machinery Company, The, assignee: *See—*
- Nye, Norman H.
- Nye, Norman H., and Rogers.
- Vaughn, William E.: *See—*
- Evans, Theodore W., Vaughan, and Rust.
- Vaught, Le Roy, assignor of one-half to R. W. Solmon, Inglewood, Calif. Fitting. 2,413,089; Dec. 24.
- Vavrik, Louis, Rossford, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Surfacing machine drum. 2,402,191; June 18.
- Veale, Charles C.: *See—*
- Cherry, George L., and Veale.
- Veale, Charles C., Wheaton, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Chucking device. 2,396,399; Mar. 12.
- Veatch, Franklin: *See—*
- Bartleson, John D., and Veatch.
- Vechey, Theodore, Jr., Canton, Ohio. Beverage bottle case. 2,411,673; Nov. 26.
- Vedorell, Rudolph J., Kenilworth, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,395,359; Feb. 19.
- Veeder, Harold G.: *See—*
- Tracy, John M., and Veeder.
- Vee-Van Inc., assignee: *See—*
- Randall, Arthur O.
- Veltch, Frederick J., Flushing, N. Y. Pipe fitting. 2,404,259; July 16.
- Veltch, Thomas, Jr.: *See—*
- Veltch, Thomas and T. J., Jr.
- Veltch, Thomas and T. J., Jr., Deal, N. J. Internal-combustion engine. 2,401,781; June 11.
- Velazquez, Manuel, Mobile, Ala. Envelope and opener combined. 2,396,543; Mar. 12.
- Vellumold Company, The, assignee: *See—*
- Hills, Leander H., and Gordon.
- Velscol Corporation, assignee: *See—*
- Hyman, Julius, and Peters.
- Veltman, James H. F.: *See—*
- Hill, William H., and Veltman.
- Veltman, Preston L., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,394,412; Feb. 5.
- Veltman, Preston L., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,406,721; Aug. 27.
- Veltman, Preston L., Port Arthur, Tex., assignor to Texaco Development Corporation, Jersey City, N. J. Motor fuels. 2,409,167; Oct. 8.
- Veltman, Preston L., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Catalytic treatment of hydrocarbon oils. 2,400,446; May 14.
- Veltman, Preston L., Fishkill, N. Y., and L. W. Devaney, West Lafayette, Ind., assignors to The Texas Company, New York, N. Y. Production of alkylation reagent and alkylation process. 2,404,607; July 23.
- Venable, Emerson, Wilkensburg, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Filter for breathing apparatus. 2,400,179; May 14.
- Venable, Emerson, Wilkensburg, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Air-purifying apparatus. 2,400,180; May 14.
- Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for the electrolytic treatment of moving strips of metal. 2,395,437; Feb. 26.
- Venditty, Anthony: *See—*
- Graham, Matthew P., and Venditty.
- Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Swivel joint. 2,394,276; Feb. 5.
- Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint and bushing construction. 2,396,353; Mar. 12.
- Vendry, Anthony, and M. P. Graham, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Preloaded joint assembly. 2,396,137; Mar. 5.
- Veneklasen, Paul S., Saugus, Mass., assignor to the United States of America, represented by the Executive Secretary of the Office of Scientific Research and Development. Ear protector. 2,393,005; Jan. 15.
- Veneklasen, Paul S., Saugus, Mass., assignor to the United States of America, as represented by the Executive Secretary of the Office of Scientific Research and Development. Earphone socket. 2,408,494; Oct. 1.
- Vennigerholf, Edward, Moscow, Idaho. Securing improvements in ice formation. 2,402,217; June 18.
- Ventres, Ello C., Worcester, Mass. Work driving dog. 2,407,908; Sept. 17.
- Verbanc, John J., Tuxedo Park, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing zinc salts of aryl mercaptans. 2,413,531; Dec. 31.
- Verbrugghe, Henry A., Great Neck, N. Y. Stirring device. 2,396,975; Mar. 9.
- Verd-A-Ray Processing Company, assignee: *See—*
- Levi, Ormonde S., and Hoyt.
- Verduin, Fredric C.: *See—*
- Todd, Seldon F., and Verduin.
- Vergohi, Robert W., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Bullet handling apparatus. 2,406,176; Aug. 20.
- Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Window regulator with self-adjusting arm. 2,401,073; June 4.
- Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Multiple glass sash. 2,402,105; June 11.
- Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Jettisoning the sliding canopies of airplane cockpits. 2,403,250; July 2.
- Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Jettisoning means for the escape panels of aircraft. 2,412,787; Dec. 17.
- Verhoeff, Adrianus, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Company, Hartford, Conn., trustee. X-ray tube. 2,407,857; Sept. 17.
- Veritch, Harold J., assignor, by mesne assignments, to Interval Instruments, Inc., New York, N. Y. Sound reproducing system. 2,397,579; Apr. 2.
- Verity, Frank Jr., Oyster Bay, assignor to Press Wireless, Inc., New York, N. Y. Adjustable high frequency inductance. 2,400,858; May 21.
- Vermot, Henri, E., assignor to Hamilton Watch Company, Lancaster, Pa. Water resistant watchcase. 2,392,787; Jan. 8.
- Vernay Patents Company, assignee: *See—*
- Vernet, Sergius.
- Verner, James, Pocahontas, Iowa. Traction weight and fence guard. 2,397,064; Mar. 19.
- Vernet, Sergius, assignor to Vernay Patents Company, Yellow Springs, Ohio. Thermostat. 2,396,138; Mar. 5.
- Verrill, Charles W.: *See—*
- Neubaus, Elmer C., and Verrill.
- Verson Allsteel Press Company, assignee: *See—*
- Werner, Herbert B., and Verson.
- Verson, John: *See—*
- Werner, Herbert B., and Verson.
- Versoy, Irving R., New Haven, and L. H. Loeffel, West Haven, assignors, by mesne assignments, to The Berger Brothers Company, New Haven, Conn. Aviator's belt or the like. 2,397,709; Aug. 2.
- Versoy, Irving R., New Haven, and L. H. Loeffel, West Haven, Conn., by mesne assignments, to The Berger Brothers Company, New Haven, Conn. Acceleration belt and stockings for aviators. 2,397,710; Apr. 2.
- Vesely, Josef, London, England. Firearm. 2,399,900; May 7.

- Vesely, Josef, London, N. 21, England. Magazine for firearms. 2,407,461; Sept. 10.
- Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Oil Development Company. Chemical process. 2,397,301; Mar. 26.
- Veteran, John H.: *See*—Correa, Manuel.
- Vettel, Arthur W.: *See*—Oliver, Edwin L., McGuire, Slaughter, and Vettel.
- Ververka, Rudolph, Bayport, N. Y. Clasp. 2,413,392; Dec. 31.
- Vick Chemical Company, assignee: *See*—Puetzer, Bruno.
- Vickers-Armstrongs Limited, assignee: *See*—Holden, Warwick C., and Naylor.
- Vickers-Armstrongs Limited, assignee: *See*—Abbink-Spaink, Johan H., and Spencer. Clifton, John C., and Roberts.
- Roberts, Frank H., and Abbink-Spaink. Spencer, Arthur, and Abbink-Spaink.
- Vickers, Carroll B., Buffalo, N. Y. Propeller transmission. 2,396,552; Mar. 12.
- Vickers, Carroll B., Buffalo, N. Y., assignor, by mesne assignments, to Timken-Detroit Axle Company, Detroit, Mich. Hydraulic brake system. 2,399,269; Apr. 30.
- Vickers, Carroll B., Buffalo, N. Y., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Hydraulic brake system. 2,399,270; Apr. 30.
- Vickers, Harry F., Washington, D. C., assignor, by mesne assignments, to Vickers, Incorporated, Detroit, Mich. Safety control for hoists. 2,407,692; Sept. 17.
- Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Hoist control for hoists and circuit therefor. 2,407,693; Sept. 17.
- Vickers, Harry F., assignor to Vickers, Incorporated, Detroit, Mich. Hoist control and drive. 2,407,694; Sept. 17.
- Vickers, Harry F., assignor, by mesne assignments, to Vickers, Incorporated, Detroit, Mich. Breech actuating and control system. 2,410,116; Oct. 29.
- Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,413,393; Dec. 31.
- Vickers, Harry F., K. R. Herman, and J. Moser, assignors to Vickers Incorporated, Detroit, Mich. Oil well pumping apparatus. 2,402,712; June 25.
- Vickers Incorporated, assignee: *See*—Ellis, Arthur L. Fox, Milton R. Gardiner, Duncan B. Griffith, Raymond C. Herman, Kenneth R. Herman, Kenneth R., Robinson, and Dietiker. Jeannin, John F. Martin, Joseph A. Readman, Bernard L., and Shartle. Robinson, James. Tweedale, Ralph L. Vickers, Harry F. Vickers, Harry F., Herman, and Moser. Wilson, Burton J.
- Vickroy, William A., Vanakena, N. Y. Conveyer belt cleaner. 2,393,724; Jan. 29.
- Vico Products Company, assignee: *See*—Maizel, Ben.
- Victor Adding Machine Co., assignee: *See*—Mehan, Thomas O. Mehan, Thomas O., and Hoee.
- Victor Chemical Works, assignee: *See*—Toy, Arthur D. F. Woodstock, Willard H. Woodstock, Willard H., and Pelletier.
- Victor Electric Products, Inc., assignee: *See*—Spear, Walter A.
- Victor, John H., Wilmette, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Oil seal construction. 2,405,279; Aug. 6.
- Victor Manufacturing & Gasket Company, assignee: *See*—Auker, Albert J. Victor, John H.
- Victor Metal Products Corporation, assignee: *See*—Apfelbaum, Huna L. Crowley, Charles.
- Victor Products (Wallend), Limited, assignee: *See*—Mann, Reginald W., and Wiles.
- Vidal Corporation, assignee: *See*—Marhoefer, Laurence J. Taylor, William A.
- Vidal, Eugene L., and Marhoefer.
- Vidal, Eugene L., and Taylor.
- Vidal, Eugene L., Washington, D. C., and W. A. Taylor, Wildwood, N. J., assignors to Vidal Corporation. Apparatus for molding laminated structures. 2,392,108; Jan. 1.
- Vidal, Eugene L., Washington, D. C., and L. J. Marhoefer, Haddon Heights, assignors to Vidal Corporation, Camden, N. J. Making laminated structures. 2,394,730; Feb. 12.
- Vieheweger, August, Comstock Park, assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash balance. 2,398,456; Apr. 18.
- Vielehr, Oscar A.: *See*—Holschub, Carl G., and Vielehr.
- Vienna Model Bakery, Inc., The, assignee: *See*—Jackson, Maurice M.
- Vietas, Frank, Bedford, and F. L. Gardner, Somerville, assignors to A. R. Hyde & Sons Company, Cambridge, Mass. Cleat assembly for athletic shoes. 2,412,788; Dec. 17.
- Viets, Floyd H., Glendale, assignor to Western Precipitation Corporation, Los Angeles, Calif. Collecting electrical precipitators. 2,397,302; Mar. 26.
- Vignostad, Trygve, and S. N. Juul, assignors to Briggs Manufacturing Company, Detroit, Mich. Vehicle body. 2,411,945; Dec. 3.
- Vigren, Sten D.: *See*—Rost, Helge F., Thunell, Vigren, and Claesson.
- Viland, Clare K., Martinez, and H. Y. Hyde, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Manufacture of olefins. 2,409,815; Oct. 22.
- Vilbig, Joseph E.: *See*—Crawford, Thomas B., and Vilbig.
- Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Automatic gain control circuit. 2,396,770; Feb. 26.
- Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Discriminator-rectifier circuits. 2,412,482; Dec. 10.
- Villani, Antonio, Millford, assignor to Draper Corporation, Hopedale, Mass. Shuttle eye. 2,393,077; Jan. 15.
- Villepique, Julius G., assignor to North American Aviation, Inc., Inglewood, Calif. Retractable landing gear. 2,403,835; July 9.
- Villier, Charles J., Louisville, Ky. Heat exchange structure. 2,404,722; Aug. 13.
- Vinal, Leroy W., Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Molding process. 2,404,671; July 23.
- Vincent, Andrew W., assignor to Stromberg-Carlson Company, Rochester, N. Y. Automatic switch. 2,399,962; May 14.
- Vincent, Andrew W., assignor to Stromberg-Carlson Company, Rochester, N. Y. Multicontact relay. 2,410,136; Oct. 29.
- Vincent, Edward T., Ann Arbor, assignor to Continental Motor Corporation, Muskegon, Mich. Fuel metering and distributing means. 2,399,587; Apr. 30.
- Vincent, Edwin E.: *See*—Caldwell, Frank W., Martin, and Vincent.
- Vincent, George P., Briarcliff Manor, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Bleaching shellac. 2,397,389; Mar. 26.
- Vincent, George P., Briarcliff Manor, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Starch solubilization. 2,409,085; Oct. 8.
- Vincent, George P., Poughkeepsie, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Bleaching and sterilizing starch. 2,409,084; Oct. 8.
- Vincent, George P., Briarcliff, N. Y., and A. L. Dubeau, Rumford, R. I., assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical manufacture. 2,395,305; Feb. 19.
- Vincent, George P., Poughkeepsie, N. Y., and A. L. Dubeau, Rumford, R. I., assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Purification of crude cellulosic material. 2,407,909; Sept. 17.
- Vincent, Jesse G., Grosse Pointe Park, and E. R. McFarland, Huntington Woods, assignors to Packard Motor Car Company, Detroit, Mich. Lubricating means for drive mechanism. 2,400,964; May 28.
- Vincent, John R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Butadiene-styrene elastomers. 2,394,952; Feb. 12.
- Vincent, John R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preserving rubber. 2,406,722; Aug. 27.
- Vincent, Joseph F., assignor to Wingfoot Corporation, Akron, Ohio. Film. 2,393,006; Jan. 15.
- Vincent, William J., and F. D. Talbot, assignors to Rochester Telephone Corporation, Rochester, N. Y. Telephone traffic indicating and recording means. 2,392,890; Jan. 15.
- Vincent, William J., and C. M. Stanton, assignors, by mesne assignments, to Electronic Kat Control, Inc., Rochester, N. Y. Animal trap. 2,411,766; Nov. 26.
- Vinco Corporation, assignee: *See*—Ospack, Joseph J. Vine, Allyn C.: *See*—Reddick, Alfred C., and Vine.
- Vineberg, Joseph H., Ottawa, Ontario, Canada. Garment bag. 2,392,345; Jan. 8.
- Vineberg, Samuel S., Buffalo, N. Y. Heating apparatus. 2,400,590; Sept. 10.
- Viner, Ruth G., Cheyenne, Wyo. Bicycle trailer and hitch. 2,394,277; Feb. 5.
- Vines, Raymond F.: *See*—Wise, Edmund M., and Vines.
- Vinsant, Granville F., Port Neuf, Tex., assignor to Industrial Patents Corporation, Chicago, Ill. Switch for trolley rails. 2,407,620; Sept. 10.
- Vinson, Ralph A.: *See*—Stenson, Olaf, and Vinson.
- Vinton, John: *See*—MacMillan, Douglas M., and Vinton. MacMillan, Douglas M., Vinton, and Paina.

- Vinton, John, San Francisco, and D. MacMillan, Berkeley, Calif. Railroad fuse. 2,412,018; Dec. 3.
- Vinton, William U.: See—
West, Robert D., and Vinton.
- Vinton, William U., and A. H. Myers, assignors to Manitowoc Shipbuilding Company, Manitowoc, Wis. Low temperature cabinet construction. 2,399,963; May 7.
- Virginia-Carolina Chemical Corporation, assignee: See—
Given, Charles P.
- Virginia Electric Manufacturing Corporation, assignee: See—
Viard, George W.
- Virginia-Lincoln Corporation, assignee: See—
Lincoln, John D.
- Virginia Metal Industries, Inc., assignee: See—
Gardner, Daniel
- Virginia Smelting Company, assignee: See—
Leiserson, Lee.
- Visking Corporation, The, assignee: See—
Bordenca, Carl, and Thor.
- Vissal, Anthony L., Wilkesburg, Pa. Internal-combustion engine. 2,398,337; Apr. 9.
- Visscher, Juan F.: See—
Ziegler, Marc, Visscher, and Cavallero.
- Vitagliano, Albert H., Everett, Mass. Radiator valve. 2,396,400; Mar. 12.
- Vitarama Corporation, assignee: See—
Waller, Fred.
Waller, Fred, and Dresser.
Waller, Fred, Dresser, and Baker.
- Vitoux, Piere, Troyes, France, vested in the Alien Property Custodian. Hand tool for metal engraving. 2,392,560; Jan. 8.
- Vittum, Paul W.: See—
Jelley, Edwin E., and Vittum.
- Weissberger, Arnold, Kibler, and Vittum.
- Vittum, Paul W., and L. S. Wilder, assignors to Eastman Kodak Company, Rochester, N. Y. Color photography. 2,401,713; June 4.
- Vivian, Arthur C., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company Limited, London, England. Closure cap or stopper for containers. 2,400,614; May 21.
- Vivian, Harold F.: See—
Salo, Martin, and Vivian.
- Vivian, Robert E.: See—
Dressler, Russell G., Vivian, and Hasselstrom.
- Viviano, Gaudolph J., Ridgewood, N. J. Two-speed drive for superchargers. 2,406,417; Aug. 27.
- Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Laminated wetting. 2,403,694; July 9.
- Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Preformed wetting. 2,403,773; July 9.
- Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Shoe wetting. 2,404,998; July 30.
- Vizay, L. W., Corporation, assignee: See—
Vizay, Lloyd W.
- Vizay, Lloyd W., Milwaukee, Wis. Fluid transfer device. 2,401,674; June 4.
- Vizay, Lloyd W., assignor to L. W. Vizay Corporation, Milwaukee, Wis. Fluid carrying, transferring, and shut-off devices. 2,405,884; Aug. 13.
- Vizents, Herman C., deceased. L. Vizents, administratrix, assignor to E. H. Sigman, Chicago, Ill. Cutter forming device. 2,413,532; Dec. 31.
- Vizents, Lillian, administratrix: See—
Vizents, Herman C.
- Vlass, Nicholas J., Atlanta, Ga. Drain cock wrench. 2,394,027; Feb. 5.
- Vleck, Adolph J., Psser, assignor to The Glenn L. Martin Company, Middle River, Md. Hardness certifying machine. 2,398,605; Apr. 16.
- Vliet, Miller N., assignee: See—
Hillberg, Albert T.
- Vlock, Mark, New York, N. Y. X-ray film packet holder and angle indicator. 2,392,109; Jan. 1.
- Voet, Andries, East Orange, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Pigments. 2,392,073; Jan. 1.
- Vogel, Max, Bridgeport, Conn. Container for cigarette packages or the like. 2,411,940; Dec. 3.
- Vogel, Paul C., Vankesha, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Centrifugal casting machine. 2,392,289; Jan. 1.
- Vogel, William W., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Combined frequency modulation radio transmitter and receiver. 2,408,826; Oct. 8.
- Vogelsang, George K.: See—
Novotny, Emil E., and Vogelsang.
Novotny, Emil E., Vogelsang, and Novotny.
- Vogl, Walter W., Omaha, Nebr., assignor to R. E. Svoboda. Explosive perchlorates of aliphatic nitrogenous compounds. 2,406,572; Aug. 27.
- Vogl, Walter W., Omaha, Nebr., assignor to R. E. Svoboda. Explosive and making. 2,406,573; Aug. 27.
- Vogt, Henry, Machine Co., Inc., assignee: See—
Edmonds, Eugene A.
Williams, Jesse D., Jr.
- Vogt, Paul R.: See—
Butterfield, John P., Borden, and Vogt.
- Vorst, Ralph A., Berkeley, Mich. Automobile wheel clamp. 2,409,602; Oct. 15.
- Vogt, Richard R.: See—
Hamill, William H., and Vogt.
- Voight, Henry G., Hamden, assignor to Sargent & Company, New Haven, Conn. Unit lock. 2,412,789; Dec. 17.
- Voigt, Paul A.: See—
Miles, William S., and Voight.
- Voity, Maurice, assignor to Universal Slide Fastener Co., Inc., Long Island City, N. Y. Method and apparatus for manufacturing slide fasteners. 2,396,727; Mar. 19.
- Voity, Maurice, New York, assignor to Universal Slide Fastener Co., Inc., Long Island City, N. Y. Apparatus for manufacturing slide fasteners. 2,396,933; Mar. 19.
- Voity, Maurice, Bayside, and G. A. Griffiths, Kew Gardens, assignors to Universal Slide Fastener Co., Inc., Long Island City, N. Y. Blank for use in the manufacture of sliders for slide fasteners. 2,409,966; Oct. 22.
- Vokac, Charles W.: See—
Kuehlthau, Hugo L., Vokac, and Del Monte.
- Vokes, Cecil G., London, England. Air intake filter for aircraft. 2,405,102; July 30.
- Vokes, Cecil G., London, England. Readily cleanable filter. 2,407,046; Sept. 3.
- Vokes, Cecil G., London, England. Filter. 2,407,194; Sept. 3.
- Vokes, Cecil G., London, England. Filter. 2,410,371; Oct. 29.
- Vokes, Cecil G., and E. A. Stokes; said Stokes assignor to Vokes Limited, London, England. Filter for gases under pressure. 2,404,468; July 23.
- Vokes, Cecil G., and E. A. Stokes; said Stokes assignor to Vokes Limited, London, England. Dust remover and filter. 2,406,177; Aug. 20.
- Vokes, Cecil G., and E. A. Stokes; said Stokes assignor to Vokes Limited, London, England. Filter. 2,406,308; Aug. 20.
- Vokes, Cecil G., and E. A. Stokes; said Stokes assignor to Vokes Limited, London, England. Filter cleaning mechanism. 2,408,130; Sept. 24.
- Vokes Limited, assignee: See—
Vokes, Cecil G., and Stokes.
- Voland & Sons, Inc., assignee: See—
Kistingier, John.
- Volet, Edouard, Vevey, Switzerland. Accelerometer. 2,405,382; Aug. 6.
- Voit, Christian A., Los Angeles, Calif. Vented parachute. 2,404,672; July 23.
- Voit, Christian A., Los Angeles, Calif. Cargo carrier. 2,404,673; July 23.
- Volgenau, Robert H., Buffalo, and J. M. Hoce, Ogdensburg, N. Y. Tool for removing wax from beehive frames. 2,413,894; Dec. 31.
- Volkman, John, Cambridge, Mass., assignor to the Government of the United States, as represented by the Secretary of War. Earphone socket. 2,403,418; July 2.
- Vollrath, Joseph P.: See—
Green, John R., and Vollrath.
- Vollrath, Joseph P., Glenside, assignor to The Brown Instrument Company, Philadelphia, Pa. Protecting tube. 2,405,075; July 30.
- Vollrath, Joseph P., Glenside, assignor to The Brown Instrument Company, Philadelphia, Pa. Thermocouple. 2,405,076; July 30.
- Volosin, John J.: See—
Schottenberg, Harold W., and Volosin.
- Volpe, Michael, assignor of one-half to G. I. Fellback, Pittsburgh, Pa. Pool ball rack or frame. 2,405,677; Aug. 13.
- Volpin, Alexander S., Houston, Tex. Slush pump valve. 2,402,713; June 25.
- Volpin, Alexander S., assignor to Garrott Brass and Machine Company, Houston, Tex. Valve. 2,401,123; May 28.
- Volsky, Nicholas T., Spring Lake, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War. Jig for winding spherical coils. 2,394,028; Feb. 5.
- Volz, Carl, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus to detect change of voltage. 2,408,711; Oct. 1.
- Vonada, Phillip A., Dayton, Ohio. Boring bar. 2,399,271; Apr. 30.
- Von Ahrens, Robert H., Denver, Colo. Welding ring. Re. 19.
- Von Allmen, Samuel, and H. Eggenberger, Basel, assignors to Sandoz Ltd., Fribourg, Switzerland. Drystuffs of the anthraquinone series and making same. 2,412,790; Dec. 17.
- Von Babo, Max A., Seattle, Wash. Card playing instruction device. 2,395,087; Feb. 19.
- Von Babo, Max A., Seattle, Wash. Card playing device. 2,395,088; Feb. 19.
- Von Borries, Bodo, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Electronic microscope. 2,396,624; Mar. 12.
- Von den Steinen, Carl, Hamburg 1, Germany; vested in the Alien Property Custodian. Measuring instrument for determining the orbital acceleration and the functions thereof. 2,396,617; Mar. 12.
- Von Eron, Elmer J., Akron, Ohio. Vulcanizer. 2,405,077; July 30.

- Von Doenhoff, Phyllis: *See*—
Ries, Kerner G., Robie, and Von Doenhoff.
- Von Glahn, William H., Loudonville, and W. L. Walsh, East Greenbush, assignors to General Aniline & Film Corporation, New York, N. Y. Stable diazonium salts. 2,402,106; June 11.
- Von Haase, Anthony, Lakewood, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio. Oil burner. 2,396,306; Mar. 12.
- Von Hagen, Kurt, Wissel, near Kleve, Germany; vested in the Alien Property Custodian. Device for dredging gravel or the like. 2,410,765; Nov. 5.
- Von Hartmann, Evelyn, Westwood, N. J., assignor to Novelart Manufacturing Company, Long Island City, N. Y. Stationery package. 2,413,474; Dec. 31.
- Von Hippel, Arthur, Weston, Mass., assignor to Federal Telephone & Radio Corporation. Selenium coated elements and making them. 2,408,116; Sept. 24.
- Von Hippel, Arthur, Weston, Mass., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Making selenium rectifiers. 2,413,013; Dec. 24.
- Von Hortenau, Hans, assignor to S. K. M. Billman, Stockholm, Sweden. Fluid quantity measuring device. 2,406,723; Aug. 27.
- Von Hortenau, Hans, assignor to Stig K. M. Billman, Stockholm, Sweden. Temperature measuring device. 2,411,120; Nov. 12.
- Von Kessel, Glenda B., assignee: *See*—
Kessel, Johannes B.
- Von Kessler, Otto, Darmstadt, Germany; vested in the Alien Property Custodian. Distilling alcohols. 2,392,534; Jan. 8.
- Von Kohorn, Henry, Hurst, change of name: *See*—
Korneg, Heinz-Robert E., Von K. Z.
- Von Kohorn, Henry, New York, N. Y. Producing nitro-cellulose. 2,410,319; Oct. 29.
- Vonnegut, Anton, assignor to Vonnegut Moulder Corporation, Indianapolis, Ind. Expandable wheel. 2,410,536; Nov. 5.
- Vonnegut, Kurt, Indianapolis, Ind. Tobacco pipe. 2,395,596; Feb. 26.
- Vonnegut Moulder Corporation, assignee: *See*—
Vonnegut, Anton.
- Von Ohlsen, Louis H., New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Regulator. 2,404,674; July 23.
- Von Reis, Eror G.: *See*—
Kaplan, Leo L., and von Reis.
- Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,392,276; Jan. 1.
- Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,399,401; Mar. 12.
- Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,407,195; Sept. 3.
- Vonrüti, Hans, assignor to Schweizerische Lokomotive und Maschinenfabrik, Winterthur, Switzerland. Opposed piston twin-cylinder engine. 2,398,980; Apr. 23.
- Von Seemann, Carl: *See*—
Grant, Gordon A., and von Seemann.
- Von Segebaden, Ernst, Drottningholm, and Ragnar Osterdahl, Stora Essingen, assignors to Asenco Aktiebolag, Stockholm, Sweden. Antiaircraft fire control apparatus. 2,394,827; Feb. 12.
- Von Stackelberg, Yürgen Z., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Hydraulic brake system. 2,409,335; Oct. 15.
- Von Stocker, Selmer G., Massena, assignor to Aluminum Company of America, Pittsburgh, Pa. Work handling apparatus. 2,401,592; June 4.
- Von Stoerer, Walter, assignor to The Rudolph Wurllitzer Company, North Tonawanda, N. Y. Cup dispensing mechanism. 2,407,968; Sept. 17.
- Von Stroh, Gerald, Berkeley, assignor to The Permanente Metals Corporation, Oakland, Calif. Polychloroprene composition. 2,405,336; Aug. 6.
- Voorhes, Daniel W., Quincy, Ill. Wheel. 2,403,146; July 2.
- Voorhes, L. G., assignee: *See*—
Ellenberger, Stanley D.
- Voorhes, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Desalting crude oil. 2,400,986; May 28.
- Voorhes, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Dehydrogenating hydrocarbons. 2,408,131; Sept. 24.
- Vordahl, Milton B.: *See*—
Catlin, John P., Eckstein, and Vordahl.
- Voreaux, Paul J., Saint-Cloud, assignor to R. Gentil, Neuilly-sur-Seine, France. Gas pump. 2,405,475; Aug. 6.
- Vorech, Stephen, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,391,743; Feb. 5.
- Vorenkamp, Egbert R., Berkeley, Calif. Marine oil tank. 2,402,790; June 25.
- Vorse, Harry L., Portland, Oreg. Flying machine. 2,399,839; May 7.
- Vosburg, Alan E., assignor to Teletype Corporation, Chicago, Ill. Safety guard. 2,404,676; July 23.
- Voss, Edwin W., Orange, N. J., assignor to Spray Process Co., Inc., New York, N. Y. Spraying device for liquids. 2,399,081; Apr. 23.
- Vose, Robert W.: *See*—
Baymiller, John W., and Vose.
- Voss, John H., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,395,155; Feb. 19.
- Voss, Joseph A., Denver, Colo. Adjustable bedclothes support. 2,398,731; Apr. 16.
- Votaw, Elia, Maricopa County, Ariz. Detachable can handle. 2,396,479; Mar. 12.
- Voth, Anthony, Gainesville, Tex. Bale loading and unloading wagon. 2,405,534; Aug. 6.
- Vought, Russell R., Beverly Hills, Calif. Gun sight. 2,397,711; Apr. 2.
- Vought, Russell R., Beverly Hills, Calif. Shutterless aerial camera. 2,401,530; June 4.
- Vought, Russell R., Beverly Hills, and E. R. Bergmark, Los Angeles, Calif.; said Bergmark assignor to said Vought. Divisible indicator. 2,397,712; Apr. 2.
- Vowless, Jack H., Te Kauwhata, New Zealand. Mechanical shovel attachment for tractors. 2,397,303; Mar. 26.
- Voss, John R. and L. G. Grace, Auckland, New Zealand. Milking machine. 2,396,544; Mar. 12.
- Voytech, Charles F., assignor to Borg-Warner Corporation, Chicago, Ill. Automatic transmission. 2,397,634; Apr. 2.
- Vran, Charles, Garfield, N. J. Motor-driven brush with comb. 2,400,723; May 21.
- Vredenburg, Edric W., Berkeley, Calif. Bag filling device. 2,392,204; Jan. 1.
- Vredenburg, Edric W., Berkeley, Calif. Net and gross weigher. 2,402,219; June 18.
- Vroman, John C., Detroit, Mich. Valve puller for oil wells. 2,394,123; Feb. 5.
- Vrooman, Leon, and S. Smalley, Gloversville, N. Y. Walking aid. 2,413,202; Dec. 24.
- V'Sose, Stanislav, Grand Rapids, Mich. Shoe sole or shoe sole element. 2,393,433; Jan. 22.
- V'Soske, Stanislav, Grand Rapids, Mich. Shoe sole or method of making. 2,393,434; Jan. 22.
- Vulcan Corporation, assignee: *See*—
Clausing, George.
- Vulcan Soot Blower Corporation, assignee: *See*—
Arey, Fred C., and Hibner.
- Vyverberg, John C.: *See*—
Batchelder, George W., Nagle, Vyverberg, and Willis.
- Vyverberg, John C., Jr., and W. J. J. assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating spent acid. 2,404,260; July 16.
- Waag, Norman E., assignor to Thompson Products, Inc., Cleveland, Ohio. Quick disconnect coupling. 2,399,525; Apr. 30.
- Wachtel, Jacques L., Peoria, Ill., assignor to United States of America as represented by the Secretary of Agriculture. Isolation of penicillin from aqueous solutions. 2,399,840; May 7.
- Wachter, Aaron, Berkeley, and R. S. Treseder, San Francisco, Calif., assignors to Shell Development Company. Corrosion inhibition in catalytic hydrocarbon conversion. 2,411,483; Nov. 19.
- Wachter, Edward D., Jr.: *See*—
Mulleit, Howard G., and Wachter.
- Wachter, Lester W., assignor to Anthony Company, Streator, Ill. Loader. 2,393,435; Jan. 22.
- Wachtler, Friedrich M.: *See*—
Hofmann, Alfred, Trutner, and Wachtler.
- Wachtler, Friedrich M., West New York, and D. G. Trutner, Rutherford, assignors to Alfred Hofmann, Inc., West New York, N. J. Mechanism for setting up welt bars and welt rods in flat knitting machines. 2,401,531; June 4.
- Wachtman, George S., Harrisburg, Pa. Electron tube apparatus. 2,400,895; May 28.
- Wachtman, George S., Harrisburg, Pa. Tuning system. 2,400,896; May 28.
- Wachtman, George S., Harrisburg, Pa. Electrical tuning system. 2,400,897; May 28.
- Wachtman, George S., Harrisburg, Pa. Selective tuning system. 2,400,898; May 28.
- Wackett, Lawrence J., Brighton, Victoria, Australia. Means for aiming guns mounted on aircraft. 2,405,383; Aug. 6.
- Wacker, Richard C.: *See*—
Pinck, Herman, and Wacker.
- Waddell, Benson F., assignor to The Wilcolator Company, Newark, N. J. Temperature regulator for electrical appliances. 2,402,354; June 18.
- Waddell, James, Metuchen, N. J., and W. W. Woessner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vitamin D. 2,410,254; Oct. 29.
- Wade, Charles E., Sturgis, Mich. Electrical connector. 2,392,438; Jan. 8.
- Wade, Elmer J., Pittsfield, Mass., assignor to General Electric Company. Locating equipment. 2,411,071; Nov. 12.
- Wade, Willard H., Washington, D. C. Card selector machine. 2,395,924; Mar. 5.
- Wadley, Edward F.: *See*—
Horecky, Joseph T., and Wadley.

- Wadley, Edward F., Baytown, Tex., assignor to Standard Oil Development Company. Recovery of hydrogen halides from gases. 2,397,768; Apr. 2.
- Wadley, Edward F., Baytown, Tex., assignor to Standard Oil Development Company. Recovery of hydrogen halide. 2,397,769; Apr. 2.
- Wadley, Edward F., and J. T. Horeczy, Baytown, Tex., assignors to Standard Oil Development Company. Purification of ethylene. 2,408,010; Sept. 24.
- Wadsworth, Daniel V., Nanahasset, N. Y., and M. F. Hughes, Jersey City, N. J., assignors to Refined Syrups & Sugars, Inc., Yonkers, N. Y. Sugar syrup and process. 2,409,816; Oct. 22.
- Wadsworth Electric Manufacturing Company, The, assignee: See—
- Blank, Joseph N.
- Landmeier, Edwin W.
- Wadsworth, George E., Erlanger, Ky. Hot line clamp. 2,397,390; Mar. 26.
- Wager, Robert H., Maplewood, N. J. Inverted vent check valve. 2,393,078; Jan. 15.
- Wager, Robert H., Maplewood, N. J. Smoke inspection device. 2,408,495; Oct. 1.
- Waggaman, William H.: See—
- Breton, Ernest J., and Waggaman.
- Waggener, Kenneth E., Brea, Calif. Wash-over, outside cutter. 2,398,981; Apr. 23.
- Wagler, Alfred L., deceased, North Hills: A. Wagler, executrix, assignor to W. F. Geibel, Philadelphia, Pa. Elastic fabric and making the same. 2,411,175; Nov. 19.
- Wagler, Antonia, executrix: See—
- Wagler, Alfred L.
- Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Production of alkenylpyrroles. 2,393,132; Jan. 15.
- Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Level control and indicator of interface between acid and hydrocarbon layers. 2,394,220; Feb. 5.
- Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Production of unsaturated nitriles. 2,412,437; Dec. 10.
- Wagner, E. B., Manufacturing Company, assignee: See—
- Thiele, Berthold R.
- Wagner, Robert S., and Thiele.
- Wagner, Edward F., Lakeville, assignor to The Studebaker Corporation, South Bend, Ind. Latch mechanism. 2,394,646; Feb. 12.
- Wagner Electric Corporation, assignee: See—
- Boldt, Werner F.
- Freeman, Walter R.
- Owens, Russell S.
- Schnell, Steve.
- Wagner, Frederick C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing chloropreneacrylic nitrile polymers. 2,395,649; Feb. 26.
- Wagner, Frederick C., Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chloroprene polymers. 2,399,407; Apr. 30.
- Wagner, Gustave H.: See—
- Wagner, Harold A. and G. H.
- Wagner, Hans P., Atlanta, Ga. Self-sealing gasoline tank. 2,403,836; July 9.
- Wagner, Harold A. and G. H., Portland, Ore. Cutting machine. 2,393,845; Jan. 29.
- Wagner, Herbert M., Long Branch, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,404,113; July 16.
- Wagner, Julius A., Cleveland Heights, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Coiling apparatus. 2,407,353; Sept. 10.
- Wagner, Richard H.: See—
- Mueller, Erich O., and Wagner.
- Wagner, Robert S., Milwaukee, and B. R. Thiele, Ripon, assignors to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Hasp lock keeper. 2,492,309; June 18.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,827; Oct. 8.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,828; Oct. 8.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,829; Oct. 8.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,830; Oct. 8.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,831; Oct. 8.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,832; Oct. 8.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,833; Oct. 8.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,834; Oct. 8.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,408,835; Oct. 8.
- Wagner, Walter C., Ardmore, Pa. Secondary meter for primary energy. 2,412,070; Dec. 3.
- Wagstaff, George, Long Eaton, England. Securing means for holders of thermionic valves and the like. 2,401,207; May 28.
- Wahl, Milton H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized cyclonite. 2,411,604; Nov. 26.
- Wahlberg, Eric C., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Electric switch devices. 2,393,846; Jan. 29.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Electric control circuit. 2,394,029; Feb. 5.
- Wahlberg, Eric C., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Electrical device. 2,399,272; Apr. 30.
- Wahlberg, Eric C., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Electrical device. 2,399,273; Apr. 30.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Electrical device. 2,399,274; Apr. 30.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Electric control circuit. 2,399,699; May 7.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Engine Control. 2,399,772; May 7.
- Wahlberg, Eric C., Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn. Synchronous controls. 2,400,579; May 21.
- Wahlberg, Eric C., Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn. Engine control system. 2,400,580; May 21.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Remote control system. 2,405,678; Aug. 13.
- Wahlbin, Fred W., Oak Park, assignor to Spraying Systems Co., Chicago, Ill. Spray nozzle. 2,396,499; Mar. 12.
- Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Mechanism for actuating machine tool supports. 2,395,946; Mar. 5.
- Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Hydraulic transmission. 2,395,980; Mar. 5.
- Wahlström, Gustaf A., Åkeshov, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Push button switch. 2,405,679; Aug. 13.
- Wainer, Eugene, assignor to The Titanium Alloy Manufacturing Company, Niagara Falls, N. Y. Dielectric material and making same. 2,394,030; Feb. 5.
- Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. High dielectric material and making same. 2,399,082; Apr. 23.
- Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Furnace. 2,399,609; Apr. 30.
- Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. High dielectric material and making same. 2,402,515; June 18.
- Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. High dielectric material and making same. 2,402,516; June 18.
- Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. High dielectric material and making same. 2,402,517; June 18.
- Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. High dielectric material and making same. 2,402,518; June 18.
- Wainman, Thomas, Arlington, assignor to Plastic Inlays, Inc., Jersey City, N. J. Inlaying. 2,398,482; Apr. 16.
- Waintrob, Sidney J., New York, N. Y. Making electrical rectifiers and the like. 2,399,773; May 7.
- Wainwright, John E., Hunningham, near Leamington Spa, and M. Jellis, Peterborough, assignors to Coventry Gauge & Tool Company Limited, Fletchmstead, Coventry, England. Screw thread gauge. 2,413,533; Dec. 31.
- Wait, Bertrand H., New Rochelle, N. Y. Material for providing traction. 2,401,010; Nov. 12.
- Wait, George T., assignor to Stewart-Warner Corporation, Chicago, Ill. Heating apparatus. 2,410,537; Nov. 5.
- Waite, Ernest G., Jackson, Mich., assignor, by mesne assignments, to Hart-Carter Company, Peoria, Ill. Sieve or chaffer. 2,392,014; Jan. 1.
- Waite, Philip M., Corry, Pa. Throttle control. 2,406,273; Aug. 20.
- Waite, Philip M., Corry, Pa. Throttle control. 2,406,872; Sept. 8.
- Waite, Philip M., Corry, Pa. Throttle control. 2,409,231; Oct. 15.

- Waite, Ralph B., Springfield, N. Y., assignor, by mesne assignments, to Sterling Drug Inc., Wilmington, Del. Closure. 2,393,578; Jan. 22.
- Waltkins, George R.: See—
Clark, Charles W., Elkin, and Waitkins.
- Wakefield, Richard E. B., Aldan, Pa., assignor to Sels Corporation of America. Airplane heating system. 2,401,393; June 4.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread removing system for weft replenishing looms. 2,396,354; Mar. 12.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,401,593; June 4.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reversible bobbin receiving bag. 2,411,947; Dec. 3.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Mounting for bobbin receivers for weft replenishing looms. 2,411,948; Dec. 3.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spent bobbin receiver for looms. 2,411,949; Dec. 3.
- Wakeford, Leslie R., and D. H. Hewitt, Homerton, London, England. Manufacture of interpolymers. 2,392,710; Jan. 8.
- Waksman, Selman A., Highland Park, and E. O. Karov, New Brunswick, assignors to Merck & Co. Inc., Rahway, N. J. Fermentation. 2,400,143; May 14.
- Waksman, Selman A., Highland Park, and E. O. Karov, New Brunswick, assignors to Merck & Co. Inc., Rahway, N. J. Production of citric acid. 2,394,031; Feb. 5.
- Wakbridge, Lyman H., assignor to Fenwal Incorporated, Ashland, Mass. Fire detector cable. 2,413,125; Dec. 24.
- Walburn, Walter R.: See—
Lubelsky, Benjamin L., and Walburn.
- Wald, George F., North Olmsted, Ohio, assignor to The American Set and Wire Company of New Jersey. Self-centering chuck. 2,402,714; June 25.
- Wald, Gerson E., Far Rockaway, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Electrical apparatus. 2,405,929; Aug. 13.
- Wald, Sidney, Philadelphia, Pa., assignor to Radio Corporation of America. Relay. 2,399,901; May 7.
- Walden, Alfred E.: See—
Germendt, Waldo G., and Walden.
- Walden, Alfred E., assignor to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,393,687; Jan. 29.
- Waldes Koh-I-Noor, Inc., assignee: See—
Cizek, John, Elizabeth, N. J. Clothesline holder. 2,393,490; Jan. 22.
- Waldie, George A.: See—
MacMillin, Howard F., Ernst, and Waldie.
- Tucker, Warren R., and Waldie.
- Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Wrinkle finish. 2,392,346; Jan. 8.
- Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Wrinkle finish composition. 2,394,498; Feb. 5.
- Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Wrinkling oil composition. 2,394,499; Feb. 5.
- Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Modified wrinkle finish. 2,394,500; Feb. 5.
- Waldie, William A., Oakwood, assignor to New Wrinkle, Inc., Dayton, Ohio. Blown wrinkle varnish base. 2,395,360; Feb. 19.
- Waldie, William A., Oakwood, assignor to New Wrinkle, Inc., Dayton, Ohio. Blown wrinkle varnish base. 2,395,361; Feb. 19.
- Waldie, William A., Oakwood, assignor to New Wrinkle, Inc., Dayton, Ohio. Modified linseed oil wrinkle finish. 2,407,823; Sept. 10.
- Waldie, William A., and H. A. Toulmin, Jr., Dayton, Ohio, assignors to New Wrinkle, Inc., Wilmington, Del. Infrared treatment of oils. 2,411,707; Nov. 26.
- Waldie, Hubert T., assignor of one-fourth to H. O. Mulks, Chicago, Ill. Operating inclinable mattress sections. 2,395,699; Feb. 26.
- Waldorf Paper Products Company, assignee: See—
Guyer, Reynolds.
Guyer, Reynolds, and Dunning.
Guyer, Reynolds, and Hennessey.
- Waldron, Harold E.: See—
Perfetti, John F., and Waldron.
- Waldron, John, Corporation, assignee: See—
Casi, Lynn B.
- Waldron, Sheldon II.: See—
Emerson, Scott, and Waldron.
- Waldvogel, Paul, assignor to Aetiongesellschaft Brown, Boveri & Cie, Baden, Switzerland. Voltage measuring device for power transformers. 2,396,764; Mar. 19.
- Walensky, Benno, London, England. Scoring device for lids of cans and the like. 2,401,208; May 28.
- Wales, George F., Kenmore, N. Y. Method of and apparatus for punching by transfer means. 2,410,372; Oct. 29.
- Wales, Nathaniel B., Jr., New York, N. Y. Electrically energized fuse. 2,403,567; July 9.
- Wales, Nathaniel B., Jr., New York, N. Y. Electric fuse and setting apparatus. 2,404,553; July 23.
- Wales, Nathaniel B., assignor to Norman Bel Geddes, doing business as Norman Bel Geddes and Company, New York, N. Y. Vacuum cleaner. 2,392,205; Jan. 1.
- Walgren, Leslie C.: See—
Rowley, Cecil C., and Walgren.
- Walk, Udell C., Palo Alto, Calif. Electrical convenience outlet. 2,399,408; Apr. 30.
- Walk Easy Foot Rest Manufacturing Company, assignee: See—
Boos, Wilfred J.
- Walker, Arnold V., Pascagoula, Miss. Hand and power steering mechanism. 2,401,532; June 4.
- Walker, Bradley A., Birmingham, assignor to Poster Machines Corporation, Detroit, Mich. Exhibiting machine. 2,395,947; Mar. 5.
- Walker, Brooks, Piedmont, Calif. Antitank mine clearing device. 2,397,994; Apr. 9.
- Walker, Brooks, Piedmont, Calif. Liquid fuel burner. 2,404,015; July 16.
- Walker, Brooks, Piedmont, Calif. Noncombustible fuel tank. 2,404,418; July 23.
- Walker, Brooks, Arlington, Va. War vehicle fuel tank. 2,412,019; Dec. 3.
- Walker, Charles, Syracuse, N. Y. Card selector machine. 2,395,306; Feb. 19.
- Walker, Clinton L., Piedmont, Calif. Knotting board. 2,395,981; Mar. 5.
- Walker, Clinton L., Piedmont, Calif. Internal-combustion engine. 2,400,581; May 21.
- Walker, Curtis: See—
Turchan, Manuel, and Walker.
- Walker, Eric R.: See—
Charlton, William, Jarrett, and Walker.
- Walker, F. J., Engineering Company Limited, assignee: See—
Taylor, Arthur G.
- Walker, George H., assignor to Heenan & Froude Limited, Worcester, England. Transmission dynamometer. 2,397,837; Apr. 9.
- Walker, George L., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch. 2,396,765; Mar. 19.
- Walker, Harry S., assignee: See—
Zaisser, William.
- Walker, James D., Aurora, Ill., assignor to The American Wheel Works. Sludge collecting mechanism. 2,393,725; Jan. 29.
- Walker, James D., Aurora, Ill., assignor to The American Well Works. Sewage treatment. 2,394,413; Feb. 5.
- Walker, James D., assignor to The American Well Works, Aurora, Ill. Apparatus for treating sewage. 2,403,695; July 9.
- Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Combination heater and water knockout apparatus for treating oil well streams. 2,398,338; Apr. 9.
- Walker, John M., Jr., Philadelphia, Pa., assignor to Sels Corporation of America. Method of and apparatus for separating immiscible fluids. 2,404,872; July 30.
- Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyhydroxy compounds. 2,400,724; May 21.
- Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of nitriles and aldehydes. 2,409,086; Oct. 8.
- Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of formaldehyde and sodium cyanamide. 2,411,396; Nov. 19.
- Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of sodium cyanamide-formaldehyde condensation product. 2,411,397; Nov. 19.
- Walker, Kenneth J., Los Angeles, and C. E. Hawk, Glendale, assignors to Aerojet Engineering Corporation, Azusa, Calif. Filling nozzle valve. 2,401,124; May 28.
- Walker Manufacturing Company, Inc., assignee: See—
Hollingsworth, Frank W., Jr.
- Walker Manufacturing Company of Wisconsin, assignee: See—
Johnson, Benjamin F.
- Walker, Nevilles E., Portland, Oreg. Electrically operated control. 2,406,873; Sept. 3.
- Walker, Nevilles E., Portland, Oreg. Retractable control element for toy airplanes. 2,406,874; Sept. 3.
- Walker, Nevilles E., Portland, Oreg. Distant control. 2,409,168; Oct. 8.
- Walker, O. S., Company, Inc., assignee: See—
Carson, George J.
- Walker, Richard A., St. Joseph, Mo. Pivotal mounting for damper plates. 2,405,770; Aug. 13.
- Walker, Victor, Fort Erie, Ontario, Canada, assignor to Aincin, Inc., Buffalo, N. Y. Method and apparatus for shaping optical objects and the like. 2,395,700; Feb. 26.
- Walker, William: See—
Dreyfus, Henry, Walker, and Rooney.
- Walker, William H., Sarasota, Fla. Ladder jack. 2,392,347; Jan. 8.
- Walkiet, Mercer D., assignor to The Hamlin Metal Products Company, Akron, Ohio. Machine for making rifling rings or the like. 2,412,930; Dec. 17.

- Wall, Albert F., assignee: See—
Strickland, Elwin M.
- Wall, Alexander, Indianapolis, Ind., assignor to General Electric Company. Multicircuit connector. 2,409,004; Oct. 8.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Spark plug test bomb. 2,401,533; June 4.
- Wall, Byron T., assignor to Man-Sew Corp., New York, N. Y. Threading needles. 2,413,014; Dec. 24.
- Wall, Harold M., Houston, Tex. Conditioning boiler feed water. 2,393,079; Jan. 15.
- Wall, Monroe E., Oreland, and E. G. Kelley, Whitemarsh, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Purification of carotene. 2,394,278; Feb. 5.
- Wall Wire Products Company, assignee: See—
Heilman, Ross V.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Detection of the chemical condition of materials. 2,396,934; Mar. 19.
- Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Smoothing apparatus. 2,392,207; Jan. 15.
- Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Tube forming apparatus and method. 2,400,055; May 7.
- Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Coupling unit. 2,404,329; July 16.
- Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Plastic molding. 2,411,398; Nov. 19.
- Wallace, David A., and E. C. Lee, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,404,330; July 16.
- Wallace, Edgar R., Gallipolis, Ohio. Distributing hay in barns. 2,397,894; Apr. 2.
- Wallace, Edward E., Cleveland Heights, Ohio. Airplane. 2,392,439; Jan. 8.
- Wallace, Edward E., Cleveland Heights, Ohio. Combined wheel mounting and brake therefor. 2,410,470; Nov. 5.
- Wallace, Frank C., North Hollywood, Calif. Grinder wheel dressing attachment. 2,401,594; June 4.
- Wallace, Frank C., North Hollywood, assignor to H. H. Helbush, Los Angeles, Calif. Clamp operating tool. 2,403,623; July 9.
- Wallace, Frank C., assignor to H. H. Helbush, Los Angeles, Calif. Lock nut. 2,393,436; Jan. 22.
- Wallace, Fred C.: See—
Langstroth, Hall, and Wallace.
- Wallace, Glenn V., Jr.: See—
Mott, Chester, and Wallace.
- Wallace, James M.: See—
Rawlins, Herbert L., and Wallace.
- Wallace, James M., Jr.: See—
Cox, Fred W., and Wallace.
- Wallace, James M., Braddock, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,404,999; July 30.
- Wallace, Joseph S.: See—
Rogers, Thomas H., and Wallace.
- Wallace, Joseph S., Hammond, Ind., and T. E. Sharp, assignors to Standard Oil Company, Chicago, Ill. Stable sulphurized oils and preparing same. 2,392,891; Jan. 15.
- Wallace, Philip B., San Francisco, Calif. Water heating and steam generating unit. 2,401,848; June 11.
- Wallace, Robert L., Jr.: See—
Wiener, Francis M., and Wallace.
- Wallace, Stanley: See—
Morgan, Frank M., and Wallace.
- Wallace & Tiernan Products, Inc., assignee: See—
Simon, Miner R., and Rubin.
- Wallace, Charles F.: See—
Wys, Orville, Ludwig, and Rubin.
- Wallace, Vard B., Monrovia, assignor to Vard, Inc., Pasadena, Calif. Drafting machine. 2,394,344; Feb. 5.
- Wallach, George, Chapman, Conn., British Columbia, Canada. Power transmission apparatus. 2,410,137; Oct. 29.
- Wallach, Robert S., Madison, N. J., assignor to Associated Development & Research Corporation, New York, N. Y. Typewriting machine. 2,398,487; Apr. 16.
- Wallach, Roger N., Briarcliff Manor, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Container closure. 2,411,012; Nov. 12.
- Wallbanks, William H.: See—
Leather, George B., and Wallbanks.
- Wallen, Loran O., Menomonee Falls, assignor, by mesne assignments, to Hydro Mfg. Co., Inc., Milwaukee, Wis. Pump. 2,393,847; Jan. 29.
- Walker, Cecil R., E. Collins, and E. C. Dodd, assignors to Iford Limited, Iford, England. Photographic materials. 2,399,083; Apr. 23.
- Walker, Fred, Huntington, assignor to Vitarama Corporation, Long Island City, N. Y. Motion-picture projector. 2,397,713; Apr. 2.
- Walker, Fred, Huntington, N. Y., and W. R. Dresser, Long Hill, Conn. Method and apparatus for projecting motion pictures. 2,392,440; Jan. 8.
- Walker, Fred, Huntington, N. Y., and W. R. Dresser, Long Hill, and H. M. Baker, Essex, Conn., assignors to The Vitarama Corporation, New York, N. Y. Guntery training. 2,406,574; Aug. 27.
- Walker, Fred, Huntington, and W. R. Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y. Projecting motion pictures. 2,413,269; Dec. 24.
- Walker, George A., Mount Vernon, N. Y. Overload clutch. 2,401,992; June 11.
- Walker, Thomas S.: See—
Croft, Cyril M., and Walker.
- Wallerstein, James S., New York, N. Y., E. Farber, New Haven, Conn., and V. Dayton, New York, N. Y., assignors to The Overly Bio-Chemical Research Foundation, Inc., New York, N. Y. Recovering glycerol from fermented liquors. 2,400,859; May 21.
- Wallerstein, Leon, Jr., assignor to Lord Manufacturing Company, Erie, Pa. Flexible coupling. 2,406,875; Sept. 8.
- Waller, Herbert H., Jr., Newton, Mass., assignor to Stevenson Engineering Corporation. Sealing unit. 2,393,944; Jan. 29.
- Walley, Herbert H., Jr., Providence, R. I. Relief valve. 2,392,738; Aug. 20.
- Walley, Herbert H., Jr., and A. W. Keema, Providence, R. I., assignors to Merit Engineering, Inc. Spring tester. 2,407,591; Sept. 10.
- Walley, Omar C., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator control means. 2,399,409; Apr. 30.
- Wallgren, August G. F., assignor to Aktiebolaget Bolinder-Munktel, Eskilstuna, Sweden. Oil filter. 2,392,348; Jan. 8.
- Wallgren, August G. F., assignor to Aktiebolaget Bolinder-Munktel, Eskilstuna, Sweden. Gear wheel pump. 2,407,753; Sept. 17.
- Wallhausen, Clarence W., Morristown, N. J., assignor to United States Radium Corporation, New York, N. Y. Radioactive apparatus. 2,403,316; July 2.
- Walling, Clyde E., Cleveland, Ohio. V-block fixture. 2,396,450; Mar. 12.
- Wallingford, Vernon H., Ferguson, and A. H. Homeyer, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Carbalkoxylation of organic compounds. 2,407,942; Sept. 17.
- Wallis, Charles E., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Orchard or like heater. 2,398,168; Apr. 9.
- Walls, Eric C.: See—
Cowley, Percy E. A., and Walls.
- Walls, Leslie P., Reddington, assignor to The Imperial Trust Corporation, for the Engagement of Scientific and Industrial Research, Westminster, England. Phenanthridine derivatives. 2,397,391; Mar. 26.
- Walmsley, Robert A., Dairy, and W. R. Davis, Stevenson, Scotland, assignors to Imperial Chemical Industries Limited. Recovery of butylenes glycol from carbohydrate fermentation mashe. 2,397,065; Mar. 19.
- Walper, Curry O., Kitchener, Ontario, Canada. Footwear. 2,395,597; Feb. 26.
- Walpole, Alfred R., Chicago, Ill., assignor to American Brake Shoe Company, New York, N. Y. Apparatus for finishing forgings. 2,411,399; Nov. 19.
- Walsh, Allen A., West Englewood, N. J., and W. C. Resides, New York, N. Y., assignors to Radio Corporation of America. Keying monitor. 2,394,573; Feb. 12.
- Walsh, Bruce R., Wilkinsburg, and G. S. Peterson, Penn Township, Allegheny County, Pa., assignors, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Method and apparatus for measuring air entrainment. 2,406,179; Aug. 20.
- Walsh, Carroll H., Pine Bluff, Ark. Tank-wall temperature indicator. 2,396,480; Mar. 12.
- Walsh, David C., Jr.: See—
Camp, Elza Q., and Walsh.
- Walsh, David C., Jr., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Treatment of hydrocarbons. 2,397,247; Mar. 26.
- Walsh, David C., Jr., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Preventing the corrosion of distillation equipment. 2,408,011; Sept. 24.
- Walsh, Fred C., assignee et al.: See—
Tiffany, Frank E.
- Walsh, James L.: See—
Watson, Arthur K., Lewis, and Walsh.
- Walsh, John J., Des Peres, assignor to C. D. P. Hamilton, Jr., C. D. P. Hamilton, III, E. R. Hamilton, F. R. Hamilton, A. J. Scheu, and J. J. Walsh, a partnership doing business under the trade name Penalo Company, St. Louis, Mo. Making shoes. 2,399,410; Apr. 30.
- Walsh, John J., Des Peres, assignor to C. D. P., Jr., C. D. P., III, E. R., and F. R. Hamilton, and A. J. Scheu and J. J. Walsh, a partnership doing business under the trade-name, Penalo Company, St. Louis, Mo. Shoe and making the same. 2,404,150; July 16.
- Walsh, John J., Des Peres, assignor to Penalo Company, St. Louis, Mo. Making slip lasted shoes. 2,406,975; Sept. 2.
- Walsh, Thomas E.: See—
McCann, Alexander C., and Walsh.

- Walsh, Thomas J.: *See*—
Burk, Robert E., and Walsh.
Scovill, Warner E., and Walsh.
- Walsh, William E.: *See*—
Anderson, Rexford O., and Walsh.
- Walsh, Wilbur L.: *See*—
Von Glahn, William H., and Walsh.
- Walstrom, John E., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Acoustic logging. 2,396,935; Mar. 19.
- Walstrom, John E., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Locating permeable formation traversed by boreholes. 2,401,280; May 28.
- Walter, Carl W., Newton, Mass. Forceps. 2,397,823; Apr. 2.
- Walter, Charles T., and L. R. Newton, assignors to Industrial Patents Corporation, Chicago, Ill. Banding machine. 2,409,724; Oct. 22.
- Walter, Gordon E.: *See*—
Leigh, Henry H., and Walter.
- Walter, Henry E.: *See*—
Heritage, Clark C., and Walter.
- Walter, John M., assignor to G. A. Gray Company, Cincinnati, Ohio. Machine tool table drive. 2,396,139; Mar. 5.
- Walter, Zachary T., Los Angeles, Calif. Plastic product and forming same. 2,393,437; Jan. 22.
- Walter, Zachary T., Los Angeles, Calif. Mold and forming plastics thereon. 2,408,245; Sept. 24.
- Walter, Zachary T., Los Angeles, Calif. Aerial cargo landing container. 2,408,246; Sept. 24.
- Walters, Charles, Johnston, assignor to G. W. Booth, Providence, R. I. Apparatus for forming cutting edges on cutting tools. 2,396,904; Mar. 19.
- Walters, Ernest L., San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif. Gasoline. 2,395,382; Feb. 19.
- Walters, Ernest L., assignor to Shell Development Company, San Francisco, Calif. Gasoline. 2,410,849; Nov. 12.
- Walters, Ernest L., San Francisco, Calif., assignor to Shell Development Company. Stabilized aromatic amines. 2,411,307; Nov. 19.
- Walters, Ernest L., East Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Stabilization of gasoline and of addition agents therefor. 2,410,847; Nov. 12.
- Walters, George, New York, N. Y. Camping kit. 2,397,225; Mar. 26.
- Walters, Lewis, New York, N. Y. Tape dispensing machine. 2,406,418; Aug. 27.
- Walters, William D., Garden Villas, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Working platform arrangement for portable derricks. 2,412,020; Dec. 3.
- Walthe, Edwin H., Los Angeles, Calif. Multiple barrel machine gun. 2,410,848; Nov. 12.
- Waltman, Chauncey E., Chicago, Ill., assignor to NuTone, Incorporated, New York, N. Y. Power unit for electric chimneys. 2,408,712; Oct. 1.
- Walton, George H., Helsby, near Warrington, J. C. Quayle, Helsby, and P. Jones, Kelsall, near Chester, assignors to British Insulated Cables Limited, Prescott, Lancashire, England. Machine for compressing and heating electrically thermoplastic materials. 2,401,991; June 11.
- Walton, George H., Helsby, near Warrington, J. C. Quayle, Helsby, and P. Jones, Kelsall, near Chester, assignors to British Insulated Cables Limited, Prescott, England. Machine for covering wires with insulating materials. 2,407,354; Sept. 10.
- Walton, George W., Farnham Common, England. Prime mover. 2,410,538; Nov. 6.
- Walton, William T., and J. W. Eysenbach, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Coating compositions and manufacture. 2,395,925; Mar. 5.
- Watts, Fred B., assignor of fifty-one one-hundredths to C. S. Watkins, and forty-nine one-hundredths to G. H. Brown, Los Angeles, Calif. Spring hinge. 2,413,475; Dec. 31.
- Waltz, Homer B., Canton, Ohio. Platform scaffold. 2,394,221; Feb. 5.
- Walthor Patents, Inc., assignee: *See*—
McCarthy, Harry.
- Walz, Claude W., and R. D. Griff, Rock Island, assignors to Deere & Company, Moline, Ill. Beet loader. 2,406,976; Sept. 3.
- Wampler, Ivan W., Cambridge City, Ind., and Q. P. Morzak, Arnoldsburg, W. Va. Trapper's stake. 2,406,180; Aug. 20.
- Wampler, Herbert L., Burlingame, Calif., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Reaction product of oxazolones. 2,402,791; June 25.
- Wanamaker, Elmer M., Knoxville, Tenn., R. H. Cronwell, East Orange, N. J., and H. L. Chamberlain, assignors to Electro Manganese Corporation, Knoxville, Tenn. Manganese ore reduction treatment. 2,397,824; Apr. 2.
- Wanasek, Anthony R., assignee: *See*—
Bagan, John P.
- Wanasek, Louis J., Burlington, Wis. Metal-bending machine. 2,401,031; May 28.
- Wanasek, Anthony R., assignee: *See*—
Bagan, John P.
- Wang, Chao C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency power measurement. 2,398,606; Apr. 16.
- Wang, Ta-Hang: *See*—
Bastick, Raymond E., Hampton, and Wang.
- War, United States of America, as represented by the Secretary of, assignee: *See*—
Arenstein, Gilbert H.
Borgelt, Elmer H.
Broderston, Neil O.
Bryant, Eugene E.
Chu, Lan J.
Cole, Eugene, and McCoy.
Colman, George B.
Combs, Edward E.
Eksergian, Carolus L.
Farr, Warren H.
Farr, William W.
Frees, Robert N.
Gallagher, Thomas F., and Long.
Gardner, Irvine C.
Geehan, William A., and Phipps.
Gorham, John E., and Frevert.
Hart, Fred V., and Linderoth.
Langner, Lawrence.
McLean, William B.
McPeters, Leonard L.
Meyer, Otto, and Stein.
Mishall, Robert J., Landan, and Emery.
Pelle, Albert E., and Poppel.
Persson, Per O., and Spohr.
Roberts, Shepard.
Russell, Elwyn S.
Selfrid, Eugene.
Shirio, Morris A.
Shirio, Morris A., and Hindin.
Skurnick, Sam.
Stodola, Edwin K.
Volkman, John.
Volsk, Nicholas T.
Woodberry, John H., Storm, Barker, Miles, Brayton, and Seavey.
Zavarella, Arthur, and McPeters.
- Waranch, Theodore, assignor to The Comfy Manufacturing Company, Baltimore, Md. Slip cover. 2,411,915; Dec. 3.
- Warburton, Frank D., Southgate, Calif. Timing checking device. 2,413,126; Dec. 24.
- Ward, Alfred H.: *See*—
Mauger, Arthur J., and Ward.
- Ward, Alger L., Drexel Hill, Pa., assignor to The United Gas Improvement Company. Recovery of valuable hydrocarbons. 2,397,580; Apr. 2.
- Ward, Arthur L.: *See*—
Wright, David C., and Ward.
- Ward, Clemens H., Baltimore, Md., assignor to Bethlehem Steel Company. Electrolavanzing. 2,399,964; May 7.
- Ward, D. L., Company, assignee: *See*—
Taber, Philip, and Van Dusen.
- Ward, Edward G., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Retractable landing gear. 2,392,892; Jan. 15.
- Ward, Francis, Rushden, England. Heel for boots and shoes. 2,406,274; Aug. 20.
- Ward, George C.: *See*—
Seymour, George W., and Ward.
- Ward, George C., and B. T. Pull, Cumberland, Md., assignors to Celanese Corporation of America. Inhibiting treatment. 2,409,325; Oct. 15.
- Ward, Hugh J.: *See*—
Bowsler, E. A. H., d'Assis-Fonseca, and Ward.
D'Assis-Fonseca, Harold M. M., and Ward.
- Ward, Lawrence T., Newark, N. J., assignor to Knapp-Monarch Company, St. Louis, Mo. Pressure-vacuum apparatus. 2,401,849; June 11.
- Ward, Leonard, Erie, Pa., assignor to Erie Company, assignee: *See*—
Bullinger, Frederic H.
Ganci, Charles J.
Hysler, John F.
Logan, Frank G.
- Ward, Loy A., Detroit, and E. D. Taylor, Jackson, assignors to Tomkins-Johnson Company, Jackson, Mich. Movable anvil riveting machine. 2,413,270; Dec. 24.
- Ward, Raymond R., Brecksville, Ohio. Attachment for coat hangers. 2,398,873; Apr. 23.
- Ward, Richard A., Cleveland, assignor to R. C. Switzer, South Euclid, and J. L. Switzer, Cleveland Heights, Ohio. Method and compositions for locating surface discontinuities. 2,405,078; July 30.
- Ward, Virgenious, Sikeston, Mo. Railway gate or stock guard. 2,401,804; June 11.
- Ward, Wilbert H.: *See*—
King, William N., Romanchuk, and Ward.
- Wardwell Braiding Machine Company, assignee: *See*—
Bardsley, Willard W.
- Ware, Harris O., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del. Laminated fibrous sheet material. 2,401,675; June 4.
- Ware, Hiram C., Rochester, assignor, by mesne assignments, of one-fourth to C. H. Schell, Beaver, Pa. Auxiliary carburetor. 2,399,841; May 7.

- Ware, Lamar M., H. Harris, and W. A. Johnson, assignors to Alabama Polytechnic Institute, Auburn, Ala. Sweet potato products and making. 2,401,392; June 4.
- Ware, Lucia W., Omaha, Nebr. Baby harness. 2,413,395; Dec. 31.
- Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Multiple driving unit. 2,392,015; Jan. 1.
- Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,395,948; Mar. 5.
- Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,406,446; Aug. 27.
- Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Drive mechanism. 2,410,556; Nov. 5.
- Ware, William C.; See—
Hoiberg, Arnold J., Ware, and Wilch.
- Warfield, Charles H., assignee, as trustee; See—
Fisher, Bernard C.
- Warfield, Charles H., et al., trustees, assignee; See—
Fisher, Bernard C.
- Warfield, Frederick P., assignee, as trustee; See—
Fisher, Bernard C.
- Warfield, Frederick P., et al., trustees, assignee; See—
Fisher, Bernard C.
- Wargo, Stephen, Streator, Ill. Garbage can holder. 2,409,326; Oct. 15.
- Waring, Robert K., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Charge preparation. 2,393,080; Jan. 15.
- Wark, Robert; See—
Whitworth, Edward, Thomson, and Wark.
- Warkentin, Theodore N., San Francisco, Calif. Hose reeler. 2,396,451; Mar. 12.
- Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,398,680; Apr. 16.
- Warmisham, Arthur, and C. G. Wynne, Leicester, England. Optical objective. 2,397,714; Apr. 2.
- Warmisham, Arthur, and C. G. Wynne, assignors to Taylor, Taylor & Hobson, Limited, Leicester, England. Optical objective. 2,413,476; Dec. 31.
- Warner Brothers Pictures, Inc., assignee; See—
Tondreau, Albert W., and McGreal.
- Warner, Charles E.; See—
Mejean, Jacques G., and Daninos.
- Warner, Charles S., Wilmington, Del. Gauge. 2,402,715; June 25.
- Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Barometric fuel valve. 2,408,836; Oct. 8.
- Warner, Donald F., and E. L. Auyer, Swampscott, Mass., assignors to General Electric Company. Cabin supercharging means having automatic pressure and temperature control means. 2,412,071; Dec. 3.
- Warner Electric Brake Manufacturing Company, assignee; See—
Oetzel, John G.
- Warner, Douglas K., Sarasota, Fla. Internal-combustion engine. 2,410,471; Nov. 5.
- Warner, Harry C., San Francisco, Calif. Electrical sound reproducing apparatus. 2,403,696; July 9.
- Warner, Lionel W.; See—
Manderstam, Leopold H., and Warner.
- Warner, Otto P., Lakewood, Ohio. Separator. 2,399,842; May 7.
- Warner & Swasey Company, The, assignee; See—
Bogart, Fred H.
Clark, Robert H.
- Warner, Wilbur W., Fort Wayne, Ind., assignor to General Electric Company. Quick reversing capacitor motor. 2,407,117; Sept. 3.
- Warner, William R., & Co., Inc., assignee; See—
Kastning, Ernest H.
- Warnke, Herbert R., assignor to United States Instrument Corporation, East Orange, N. J. Rotary selector switch. 2,411,013; Nov. 12.
- Warnke, Herbert R., assignor to United States Instrument Corporation, East Orange, N. J. Terminal block. 2,411,014; Nov. 12.
- Warren, Charles F., Milwaukee, and K. F. Kuehn, Watatosa, assignors, by mesne assignments, to Hydraulic Impact Tool Company, Milwaukee, Wis. Pump unit for impact tool. 2,397,174; Mar. 26.
- Warren, Edwin G., Hayward, Calif. Apparatus for the transportation of dry bulk materials. 2,396,355; Mar. 12.
- Warren Featherbone Co., The, assignee; See—
Haman, Howard H., and Whalen.
- Warren, George B., Los Angeles, Calif. Animal trap. 2,394,032; Feb. 5.
- Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Bladed body. 2,394,124; Feb. 5.
- Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Tandem compound elastic fluid turbine arrangement. 2,394,125; Feb. 5.
- Warren, Glenn B., Niskayuna, N. Y., assignor to General Electric Company. Ship propulsion turbine arrangement. 2,397,173; Mar. 26.
- Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Turbine-generator. 2,412,848; Dec. 17.
- Warren, Marie E., assignee, by decree of court; See—
Benton, Dudley C.
- Warren, Richard F., Jr., Stratford, Conn. Rope. 2,399,157; Apr. 23.
- Warren, Richard F., Jr., Stratford, Conn. Nut lock. 2,399,526; Apr. 30.
- Warren, Richard F., Jr., Stratford, Conn. Rope. 2,400,181; May 14.
- Warren, Richard F., Jr., Stratford, Conn. Rope. 2,403,317; July 2.
- Warren, S. D. Company, assignee; See—
Clark, John W.
- Warrick, Earl L.; See—
McGregor, Rob R., and Warrick.
- Warrick, Earl L., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes and preparing them. 2,397,895; Apr. 2.
- Warrick, Edward C.; See—
Cruzan, Harold, and Warrick.
- Warrick, Edward C., Cincinnati, Ohio, and H. Cruzan, Los Angeles, Calif., assignors to United Aircraft Products, Inc., Dayton, Ohio. Thermostatic surge valve. 2,409,621; Dec. 21.
- Warrick, Halsted R., West Englewood, N. J., assignor to The Texas Company, New York, N. Y. Isomerizing hydrocarbons. 2,402,858; June 25.
- Warrick, Halsted R., West Englewood, N. J., assignor to The Texas Company, New York, N. Y. Catalytic treatment of hydrocarbons. 2,413,271; Dec. 24.
- Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Switching arrangement for electric systems. 2,394,126; Feb. 5.
- Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Supervision of electric systems. 2,405,079; July 30.
- Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Relay protective arrangement. 2,405,080; July 30.
- Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Relay arrangement for protecting electric power systems. 2,405,081; July 30.
- Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Relay protective arrangement. 2,405,082; July 30.
- Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Out-of-step relay arrangement. 2,405,083; July 30.
- Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Protective apparatus. 2,405,084; July 30.
- Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Thermal protective device. 2,412,493; Dec. 10.
- Warth, Albin H., and I. F. Bulatkin, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Film-forming resinous lining for metal containers. 2,413,093; Dec. 24.
- Wartha, Alfred J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Transparent stencil sheet material. 2,393,668; Jan. 29.
- Wartha, Alfred J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sandblast stencil. 2,410,472; Nov. 5.
- Wasberg, Axel, assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway car door and post structure. 2,404,554; July 23.
- Waseige, Charles R., Saint Etienne, France; vested in the Allen Property Custodian. Driving joint for control devices for retractable members on board aircraft. 2,405,623; Aug. 13.
- Waseige, Charles R., Ruell, France; vested in the Allen Property Custodian. Multidrive gear box. 2,410,849; Nov. 12.
- Washam, William J., Harrisonburg, Va. Anchor. 2,404,151; July 16.
- Washbond, Harry H., assignor to The Baker Manufacturing Company, Springfield, Ill. Bulldozer or scraper structure. 2,404,759; July 23.
- Washbond, Harry H., assignor to The Baker Manufacturing Company, Springfield, Ill. Bulldozer or scraper structure. 2,404,760; July 23.
- Washburn, Donald H.; See—
Reed, Eo., and Washburn.
- Washburn, Frank, Battle Ground, Ind. Surface covering material. 2,411,308; Nov. 19.
- Washburn, Harold W., and H. Wiley, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Treating filaments of ionization gauges. 2,406,419; Aug. 27.
- Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,412,236; Dec. 10.
- Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,413,668; Dec. 31.
- Washburn, Harold W., Pasadena, and D. D. Taylor, Altadena, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,412,237; Dec. 10.

- Washburn, Selden G., Goodwin, S. Dak. Automatic implement lift for plows. 2,411,072; Nov. 12.
- Washcoe, Wilfred C., Arlington County, Va. Rotor. 2,407,695; Sept. 17.
- Washington Institute of Technology, Inc., assignee: *See—*
Davies, Gomer L.
Kear, Frank G.
Kibler, Paul J.
- Washington Iron Works, assignee: *See—*
Carson, William
- Wasiewicz, Bridget A.: *See—*
Mathes, Kenneth N., and Wasiewicz.
- Wasilewski, Anthony A., Essex, Md. Automatic work-adjusting C clamp. 2,399,714; May 7.
- Wassell, Frank A., Schenectady, N. Y., assignor to General Electric Company. Fusion welding. 2,405,542; Aug. 6.
- Wassell, Frank L., assignor to G. P. Wassell, Westport, Conn. Production control board. 2,412,238; Dec. 10.
- Wassell, Georgene P., assignee: *See—*
Wassell, Frank L.
- Wassell, Helen E., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Stain removing composition. 2,393,865; Jan. 29.
- Wassell, Helen E., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Metal tarnish remover. 2,393,866; Jan. 29.
- Wassell, Helen E., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Polishes and making them. 2,395,025; Feb. 19.
- Wassen, Kurt: *See—*
Stuart, Joseph, II, and Wassen.
- Wasserlin, Henry G., Park Ridge, assignor to Phillips Control Corporation, Chicago, Ill. Shaded pole construction for solenoids. 2,410,320; Oct. 29.
- Wasserman, Harold, New Haven, Conn. Eyelash curler. 2,393,848; Jan. 29.
- Wasserman, Rene D., New York, N. Y. Protective covering for walking rods. 2,410,850; Nov. 12.
- Wasson, Jones L., Union, and G. W. Duncan, Scotch Plains, N. J., assignors to Standard Oil Development Company. Corrosion resistant composition. 2,401,993; June 11.
- Wasson, Jones L., Union, N. J., and W. M. Smith, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing a lubricating oil solution of a condensed organic amino compound. 2,410,911; Nov. 12.
- Wasson, Loerwood C., Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Semiautomatic turret lathe. 2,392,074; Jan. 1.
- Waterbury Companies, Incorporated, assignee: *See—*
Magnetat, René F.
Riebold, Walter F., and Magnetat.
- Waterbury Farrell Foundry & Machine Company, The, assignee: *See—*
Wilcox, Richard L.
- Waterbury, Neil M., and R. C. Tittel, Aldon, Ill., assignors to Owens-Illinois Glass Company. Mold cooling apparatus. 2,402,475; June 18.
- Waterbury Tool Company, The, assignee: *See—*
Ellis, Arthur L.
Rose, Edwin L., Tweedale, Thomas, and Frankland, Thomas, William, and Tweedale.
Tweedale, Ralph L.
- Waterfield, John F., Philadelphia, Pa. Gear cutting. 2,405,337; Aug. 6.
- Waterili, Robert W., Montclair, N. J., assignor to Buensod-Stacey, Incorporated, New York, N. Y. Mechanical refrigerating system. 2,394,953; Feb. 12.
- Waterhouse, Clifford, assignee: *See—*
Lockett, James P.
- Waterman, Arthur E., assignor to James Manufacturing Company, Fort Atkinson, Wis. Tower for drying parachutes. 2,406,724; Aug. 27.
- Waterman, George W., Hyattsville, Md. Can-action arc-oxygen underwater cutting torch. 2,396,307; Mar. 12.
- Waterman, Logan C., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Purifying mineral oils. 2,412,791; Dec. 17.
- Waterman, Russell R., Los Angeles, Calif. Boiler. 2,396,032; Mar. 5.
- Waterman, Russell R., Lodi, Calif. Water feed system for boilers. 2,404,114; July 16.
- Waterman Steamship Corporation, assignee: *See—*
Crockett, James A., Jr.
- Waterman, Wendell W.: *See—*
Murphree, Eger V., and Green.
- Waterman, Wendell W., Cranford, N. J., and P. T. Parker, Baton Rouge, La., assignors to Standard Oil Development Company. Coagulation of latices. 2,393,208; Jan. 15.
- Waterman, Wendell W., and B. M. Vanderbilt, Cranford, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Coagulating latices. 2,393,348; Jan. 22.
- Waters, Andrew S., assignor of one-half to J. Shorter, Dallas, Tex. Crib attachment for bedsteads. 2,406,447; Aug. 27.
- Waters, Daniel V.: *See—*
Burns, Gordon K., Pitt, and Waters.
Komroff, Paul, Pitt, and Waters.
Reichelt, Lester O., and Waters.
Smith, Charles C., and Waters.
- Waters, Harry F., New York, N. Y. Making fluid-tight bags. 2,392,206; Jan. 1.
- Waters, Harry F., New York, N. Y. Making shallow baking plates of cellulose material. 2,407,118; Sept. 3.
- Waters, Harry F., New York, N. Y. Manufacture of containers. 2,409,460; Oct. 15.
- Waters, Harry F., New York, N. Y. Fluid-tight package. 2,410,998; Oct. 22.
- Waters, Harry F., New York, N. Y. Reusable collapsible liquid carrying and dispensing container. 2,412,544; Dec. 10.
- Waters, Harry F., New York, N. Y. Packaging. 2,412,546; Dec. 10.
- Waters, Harry F., New York, N. Y. Crushproof reinforced paperboard package with liquid-tight liner and making same. 2,412,547; Dec. 10.
- Waters, John L., Salem, assignor to Dallas Machine & Locomotive Works, Inc., Dallas, Ore. Apparatus for preparing paving materials. 2,397,581; Apr. 2.
- Watson, Ernest L., Rocky River, assignor to The Strobridge Lithographing Company, Cincinnati, Ohio. Display device. 2,407,592; Sept. 10.
- Watkins, Archibald F., Tyler, Tex. Means for laying brick. 2,395,438; Feb. 26.
- Watkins, C. S., assignee, et al.: *See—*
Watts, Fred E.
- Watkins, Charles H.: *See—*
Hill, Ralph M., and Watkins.
- Watkins, Charles H., Cranford, N. J., assignor to Standard Oil Development Company. Chemical process. 2,407,390; Sept. 10.
- Watkins, Clayton J., Forest City, N. C. Wrist watch band and protector. 2,408,244; Sept. 24.
- Watkins, Ernest R.: *See—*
Shearer, William A., Shepherd, and Watkins.
- Watkins, Frank W., assignee: *See—*
Kubsky, Otto.
- Watkins, George B.: *See—*
Drake, John L., and Watkins.
- Watkins, George B., Toledo, Ohio, and C. B. Schafer, Charleston, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass surfacing method and apparatus. 2,408,496; Oct. 1.
- Watkins, Henry B., Worthington, assignor to The Kilgore Manufacturing Company, Tipp City, Ohio. Match package. 2,405,865; Aug. 13.
- Watkins, Lawrence A., Hamilton, Ontario, Canada, assignor to Ditto, Incorporated, Chicago, Ill. Master set. 2,398,982; Apr. 23.
- Watkins, Manley C., Norfolk, Va. Fuel injector. 2,400,965; May 28.
- Watkins, Nathan F., York, Ala. Lumber or pipe carrying rig. 2,399,304; Apr. 30.
- Watkins, Walter T., Jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricant. 2,394,954; Feb. 12.
- Watrous, Ward W., Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Discharge device and cathode therefor. 2,396,807; Mar. 19.
- Watson, Arthur K., New Canaan, Conn., W. L. Lewis, Binghamton, N. Y., and J. L. Walsh, Washington, D. C., assignors to International Business Machines Corporation, New York, N. Y. Mobile accounting device. 2,398,061; Apr. 9.
- Watson, Carlisle V., assignor to H. G. Lumbard, Auburn, Maine. Sock lining. 2,413,534; Dec. 31.
- Watson, Charles E.: *See—*
Berg, Bennie L., and Watson.
- Watson, Claude W., Tuckahoe, assignor to The Texas Company, New York, N. Y. Dehydrogenation of alkenylcyclohexanes. 2,392,960; Jan. 16.
- Watson, Claude W., Tuckahoe, assignor to The Texas Company, New York, N. Y. Hydrocarbon conversion process. 2,400,795; May 21.
- Watson, Earl C.: *See—*
Wright, Ralph H., and Watson.
- Watson, Edward F.: *See—*
Lang, Wilmarth Y., and Watson.
- Watson, Edward F., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording system. 2,405,246; Aug. 6.
- Watson, Edwin, near Littleton, Colo. Hay stacking attachment for tractors. 2,407,593; Sept. 10.
- Watson, Forrest J.: *See—*
Van Ess, Paul R., Watson, and Whitney.
- Watson, Frank A., Chicago, Ill. Automotive vehicle. 2,410,557; Nov. 5.
- Watson, Frederick K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of shaped structures from proteins. 2,399,084; Apr. 23.
- Watson, Frederick K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of fibers from proteins. 2,403,251; July 2.
- Watson, Glenn S.: *See—*
Tchoral, David L., and Watson.
- Watson, Jack H.: *See—*
Rechtion, George D., and Watson.
- Watson, John E.: *See—*
Whiton, Louis C., Watson, and McBride.

- Watson, John E., and L. C. Whiton, Westport, Conn., and C. B. McBride, assignors to Pratt-Daniel Corporation, Port Chester, N. Y. Apparatus for cleaning air. 2,405,624; Aug. 13.
- Watson, Robert E.: *See—*
Hewitt, Ellis E., and Watson.
- Watson, Roger W.: *See—*
Leane, Clarence M., and Watson.
- Watson, Roger W., Chicago, Ill., and J. W. Gaynor, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Viscous mineral oil compositions. 2,402,792; Mar. 25.
- Watson, Roland B., Peoria, Ill. Bottle carrier. 2,397,304; Mar. 26.
- Watson, Thomas J., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,407,196; Sept. 3.
- Watson, William, Iford, England. X-ray apparatus. 2,412,662; Dec. 17.
- Watt Car & Wheel Company, The, assignee: *See—*
Graham, John E.
- Watt, James A., and A. J. Perkins, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Corrugating die. 2,397,582; Apr. 2.
- Wattebot, Louis E., Kingsbury, London, England, assignor to Soler Limited, London, England. Gauging apparatus. 2,392,467; Jan. 1.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft structure. 2,392,788; Jan. 8.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Skid floor. 2,392,789; Jan. 8.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Joint construction. 2,393,081; Jan. 15.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft structure. 2,395,205; Feb. 19.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft structure. 2,396,628; Mar. 12.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Fabricated structure. 2,397,450; Mar. 26.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Aircraft control surface structure and assembly of same. 2,403,568; July 9.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Fabricated metal structure. 2,403,569; July 9.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Strut element and joint. 2,405,917; Aug. 13.
- Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airplane construction. 2,408,918; Aug. 13.
- Watter, Michael, Philadelphia, Pa., assignor to The Budd Company. Air speed indicator. 2,411,484; Nov. 19.
- Watters, Donald W., Mount Pleasant, assignor to The Dow Chemical Company, Midland, Mich. Deep-drawing magnesium-base alloy sheet. 2,396,218; Mar. 5.
- Watts, Chester B., Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Instrument tuning system. 2,406,876; Sept. 3.
- Watts, Chester B., Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Coupling circuit. 2,411,564; Nov. 26.
- Watts, Donald E., Schenectady, and P. C. Gardiner, Scotia, N. Y., assignors to General Electric Company. Signal apparatus. 2,400,796; May 21.
- Watts, Euclid Y., South Pasadena, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gas anchor. 2,398,339; Apr. 9.
- Watts, Raymond, assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,407,197; Sept. 3.
- Watts, Sidney S., Southgate, London, N. 14, assignor to The British Oxygen Company Limited, London, England. Apparatus for dividing or desulfurizing metal by use of oxidizing sets. 2,408,588; Oct. 1.
- Watts, Vilas E., assignor to American Bitumuls Company, San Francisco, Calif. Coating aggregate with bituminous emulsions. 2,412,545; Dec. 10.
- Watts, Vilas E., and P. E. McCoy, assignors to American Bitumuls Company, San Francisco, Calif. Mastic compositions. 2,399,411; Apr. 30.
- Watts, William S., Detroit, Mich., assignor to Aircraft-Marine Products Inc., Elizabeth, N. J. Electrical connector. 2,410,821; Oct. 29.
- Waugh, George P., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Wettable coating for vinylite sheeting. 2,412,699; Dec. 17.
- Waugh, Paul E.: *See—*
Oberly, Chester C., and Waugh.
- Wauregan Mills Incorporated, assignee: *See—*
Crossley, Arthur.
- Wauson, Horace C., and W. E. Bennett, Jr., assignors of three-fourths to Gulf Publishing Company, Houston, Tex., and one-fourth to Bennett, Jr. Duplex rail assembling elevator. 2,401,125; May 28.
- Way, Stewart, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Propulsion apparatus. 2,405,723; Aug. 13.
- Wayne Pump Company, The, assignee: *See—*
Jauch, Robert J., Hinds, and Sturm.
- Wayne, Truman B., Houston, Tex. Treatment of mud-laden drilling fluids. 2,393,273; Jan. 22.
- Wayne, William T., assignor to Scripto Manufacturing Company, Atlanta, Ga. Container and display box. 2,410,615; Nov. 5.
- Weagan, Roy A., Douglaston, N. Y., assignor to Radio Corporation of America. Multiplex transmission system. 2,413,396; Dec. 31.
- Weagle, Lawrence T., Oakmont, Pa., assignor to Radio Corporation of America. Luminescent marking material. 2,396,219; Mar. 5.
- Weakley, John F., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor throttle control. 2,412,021; Dec. 3.
- Weaner, Walter C., Muncie, Ind. Power coupling means. 2,408,497; Oct. 1.
- Wearn, Richard B., and G. N. Jarman, U. S. Army. Purification of acetylene by means of arsenic trichloride. 2,407,332; Sept. 10.
- Weatherhead, Albert J., Jr., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Stem attaching globe valves. 2,405,476; Aug. 6.
- Weatherhead Company, The, assignee: *See—*
Stecher, Henry D., and Paquin.
- Weatherhead, Albert J., Jr.: *See—*
Weatherly, William G., Colfax, Wash. Engine starting apparatus. 2,404,419; July 23.
- Weatherwax, A. Earle, assignee: *See—*
Selfert, Frederick E.
- Weaver, Alexander E.: *See—*
Lindsay, Charles H., and Weaver.
- Weaver Associates Corporation, assignee: *See—*
Burgess, William S.
- Weaver, Joseph B., and Burgess.: *See—*
Weaver, Burr S.: *See—*
Garr, Donald E., and Weaver.
- Weaver, Fleming R.: *See—*
Goddard, Rupert, and Weaver.
- Weaver, Fleming R., Baltimore, Md. Manually operated breech-loading rapid-fire gun. 2,397,572; Apr. 2.
- Weaver, George N., Detroit, Mich. Radius and angle dresser. 2,395,598; Feb. 26.
- Weaver, Jay: *See—*
Callahan, Thomas L., and Weaver.
- Weaver, Jerald D., San Gabriel, Calif., assignor to Farnsworth Television and Radio Corporation. Hydraulic record changer mechanism. 2,393,028; Feb. 19.
- Weaver, John A., Santa Monica, Calif. Gauge for spherical containers. 2,405,247; Aug. 6.
- Weaver, Joseph B., and W. S. Burgess, assignors to Weaver Associates Corporation, Washington, D. C. Hull form. 2,401,126; May 28.
- Weaver, Lorne W., Pontiac, Mich. Decoration support. 2,406,725; Aug. 27.
- Weaver Manufacturing Company, assignee: *See—*
Rhoss, Clyde H.
- Weaver, William A.: *See—*
Weaver, Newell M.: *See—*
Wintsch, Max T.
- Weaver, Welcome I.: *See—*
Simons, John K., and Weaver.
- Webb, David Locke, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus. 2,392,349; Jan. 8.
- Webb, Ernest C., Cleveland, Ohio. Fly ash removal system. 2,400,797; May 21.
- Webb, Frederick J., Passaic, assignor to Ridbo Laboratories, Inc., Paterson, N. J. Process for preparing stable rosin esters. 2,409,173; Oct. 8.
- Webb, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Feeding mechanism for automatic firearms. 2,409,461; Oct. 15.
- Webb, George L., assignor to R-M Manufacturing Company, Logansport, Ind. Cutout relay. 2,412,792; Dec. 17.
- Webb, Glenn M., and M. A. Smith, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,406,646; Aug. 27.
- Webb, Glenn M., and M. A. Smith, Riversdale, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,410,538; Nov. 5.
- Webb, Harold E., Burbank, Calif., assignor to Adel Precision Products Corp. Line grinding clip. 2,395,926; Mar. 5.
- Webb, Herbert J.: *See—*
Baker, Benjamin P., and Webb.
- Webb, Herbert J., Forest Hills, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Circuit interrupter. 2,399,412; Apr. 30.
- Webb, Jervis B., Bloomfield Hills, and A. G. Rose, assignors to Jervis B. Webb Company, Detroit, Mich. Multiple drive conveyor and the like. 2,395,599; Feb. 26.
- Webb, Jervis B., and J. C. Bloomfield Hills, assignors to Jervis B. Webb Company, Detroit, Mich. Bracket for overhead trolley chain conveyors. 2,398,062; Apr. 9.
- Webb, Jervis B., Company, assignee: *See—*
Webb, Jervis B., and J. C.
- Webb, Jervis B., and Rose.: *See—*
Webb, Jervis C.: *See—*
Webb, Jervis B. and J. C.

- Webb, John K., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical transformer and coil. 2,392,790; Jan. 8.
- Webb, Julian H., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for molding lenses. 2,410,616; Nov. 5.
- Webb, Oscar H., New York, N. Y. Composite structure. 2,401,281; May 28.
- Webb, Richard C., Lafayette, assignor to Purdue Research Foundation, West Lafayette, Ind. Electrical circuits. 2,411,605; Nov. 26.
- Webb, Samuel. *See* Nesbitt, Andrew B., and Webb.
- Webb, Wesley L.: *See* Taylor, Robert J., and Webb.
- Webb, Wesley L., Glen Head, Pa., assignor to American Viscose Corporation, Wilmington, Del. Extrusion device. 2,408,713; Oct. 1.
- Webber, Carl B., Winston-Salem, N. C. Support for glass washing machines. 2,402,859; June 25.
- Webber, George D., Lakewood, Ohio. Gauge. 2,409,817; Oct. 22.
- Webber, William O., Baytown, Tex., assignor to Standard Oil Development Company. Catalytic isomerization process. 2,392,791; Jan. 8.
- Webber, William O., Baytown, Tex., assignor to Standard Oil Development Company. Treating emulsions. 2,409,005; Oct. 8.
- Weber, Arthur G.: *See* Peterson, Merlin D., and Weber.
- Weber, Arthur G., and E. J. Bilelet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic salts. 2,395,307; Feb. 19.
- Weber, Bruce T.: *See* Lovell, A., Parkinson, Swartzel, and Weber.
- Weber, Clarence A., Parkersburg, and Weber.
- Weber, Carl, New York, N. Y. Encasing driven piling. 2,412,185; Dec. 3.
- Weber, Carl, New York, N. Y. Producing piling. 2,412,239; Dec. 10.
- Weber Dental Manufacturing Company, The, assignee: *See* Binus, David J.
- Weber, Emmerich.: *See* Antos, George, and Weber.
- Weber, Ernst, assignor to Landis & Gyr, A-G., Zug, Switzerland. Oscillatory armature relay. 2,413,397; Dec. 31.
- Weber, Henryk, Bedford, assignor of two-thirds to Guaranty Plastic Caps Limited, London, S. W. 1, England. Electric lamp base or cap and bonding cement therefor. 2,407,621; Sept. 10.
- Weber, Ion L., and M. H. Weber, Waterloo, Ontario, Canada. Caponizing instrument. 2,406,647; Aug. 27.
- Weber, John C., Jr., assignor to West Virginia Glass Specialty Company, Incorporated, Weston, W. Va. Mold for glassware. 2,392,561; Jan. 8.
- Weber, John W., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Doffing mechanism. 2,398,732; Apr. 16.
- Weber, Karl H.: *See* Kilgore, Lowell B., and Weber.
- Weber, Karl H., Toledo, Ohio. Machine for winding coils. 2,401,676; June 4.
- Weber, Karl H., Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa. Making esterified fossil resins. 2,394,731; Feb. 12.
- Weber, Mervin H.: *See* Weber, Ion L., and M. H.
- Weber, Peter H., Milwaukee, Wis., assignor to F. J. Sterling, Chicago, Ill. Combined extension table and cabinet. 2,412,849; Dec. 17.
- Weber, Reinhold, Kassel Kirchdtnold, Germany; vested in the Alien Property Custodian. Determining combustible gases in gas mixtures. 2,399,965; May 7.
- Weber, Victor, Greensburg, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Relay. 2,398,681; Apr. 16.
- Weber, Walter C., Dayton, Ohio, assignor to Dayton Precision Manufacturing Company. Machine for assembling commutators. 2,394,955; Feb. 12.
- Weber, Walter C., Dayton, Ohio, assignor to Dayton Precision Manufacturing Company. Machine feeding mechanism. 2,394,956; Feb. 12.
- Weber, Walter C., West Hartford, assignor to Hartford Empire Company, Hartford, Conn. Molten glass severing method and mechanism. 2,401,994; June 11.
- Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Heat transfer resisting means for carburetors. 2,397,392; Mar. 26.
- Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor accelerating pump. 2,400,035; May 7.
- Weber, William T., Lansdowne, assignor of one-half to J. Applebaum, Philadelphia, Pa. System for directing the movements of air and/or marine craft. 2,411,400; Nov. 19.
- Webster-Chicago Corporation, assignee: *See* Dale, Colin B.
- Webster Electric Company, assignee: *See* Dally, Roy, Goldsmith, and Munroe.
- Webster, George C., U. S. Navy. Detent mechanism. 2,407,696; Sept. 17.
- Webster, John H., Rocky Hill, assignor to The Stanley Works, New Britain, Conn. Clamping means for windshield de-icer panels. 2,411,485; Nov. 19.
- Webster, Percy S.: *See* Lichtenberg, Erich H., and Webster.
- Wedeborg, Reuben, assignor to Stewart-Warner Corporation, Chicago, Ill. Measuring valve. 2,392,017; Jan. 1.
- Wedglove Plastics Company, assignee: *See* Reed, Isaac N.
- Wedoe, William, Cottage Grove, Wis. Hay mover. 2,400,671; May 21.
- Weeks, Arnold N., North Scituate, Mass., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bailing method. 2,402,476; June 18.
- Weeks, Sanford J., Elyria, Ohio. Automatic top. 2,408,132; Sept. 24.
- Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Gun charger. 2,594,127; Feb. 5.
- Weems, William H., Decatur, Ga. Electric directional gyroscope. 2,410,473; Nov. 5.
- Weesner, Carl W., Warren, Ohio, and W. B. Leffingwell, assignors to Sharon Steel Corporation, Sharon, Pa. Treatment of manganese steel. 2,410,322; Oct. 29.
- Wegst, Walter F., L. R. Bacon, and R. McNabney, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Manufacture of zincated alkalies. 2,403,167; July 2.
- Wehner, Alphonse, assignee: *See* Seaton, Robert R.
- Wehner, William C., and W. V. Giovara, Detroit, Mich. Snap gauge. 2,398,983; Apr. 23.
- Wehr, William G., North Madison, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Shear press. 2,397,896; Apr. 2.
- Weible, Glenn B.: *See* Hamilton, William F., George, and Weible.
- Weich, Peter J.: *See* Blickensderfer, Robert, and Weich.
- Weidenfeld, Morris, Mattapan, Mass. Stretching cloth. 2,398,063; Apr. 9.
- Weidenhoff, Joseph, Inc., assignee: *See* Haskins, Butler J.
- Weidler, Walter, Detroit, Mich. Cup or glass holder for plates. 2,413,535; Dec. 31.
- Weidman, George P., North Tonawanda, N. Y. Bullet protection guard. 2,393,550; Jan. 22.
- Weierich, Andrew C.: *See* Heddleson, Fred A., and Weierich.
- Weihls, Theodor G., now by judicial change of name Theodore G. White, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of tempered glass. 2,401,442; June 4.
- Weihls, Theodor G., now by judicial change of name Theodore G. White, assignor to American Window Glass Company, Pittsburgh, Pa. Apparatus for manufacturing tempered glass. 2,411,701; Nov. 26.
- Weijlard, John, Westfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. 2-sulphanilamido-quinoxaline. 2,404,199; July 16.
- Weijlard, John, Westfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. 2-(4-succinyl-amino-benzene-sulphonamido)-quinoxaline. 2,404,200; July 16.
- Weil, Conrad, Wilkensburg, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Insulation. 2,393,082; Jan. 15.
- Weil, Henry, Goldsboro, N. C. Mechanical flashlight. 2,393,209; Jan. 15.
- Weil-Kalter Manufacturing Company, assignee: *See* Novy, Loretta.
- Weil, Rudolf, New York, N. Y. Finger cap. 2,401,714; June 4.
- Weilbaecher, Chester O.: *See* Monaghan, Cyril B., and Weilbaecher.
- Weiler, John E.: *See* Hampel, Clifford A., and Weiler.
- Weller, Joseph F., Lewiston, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of methyl chlorides. 2,412,308; Dec. 10.
- Weiller, Paul G., New York, N. Y., assignor to Square D Company, Detroit, Mich. Electrical contact. 2,394,501; Feb. 5.
- Weimont, Joseph, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y. Counting mechanism. 2,406,726; Aug. 27.
- Weinaug, Charles F.: *See* Doussin, Donald R., and Weinaug.
- Weinberger, Jan V., Truro, Nova Scotia, Canada. Woven cloth. 2,409,087; Oct. 8.
- Weiner, Kurt.: *See* Halpern, William, Weiner, and Krochmal.
- Weingart, Richard I. N., assignee: *See* Berliner, Martin.
- Weingart, Richard I. N., Glen Head, N. Y. Measuring instrument movement. 2,398,607; Apr. 16.
- Weingart, Richard I. N., Glen Head, N. Y. Mechanical movement. 2,413,203; Dec. 24.
- Weingarten, Joseph, Bronx, N. Y. One-piece garment. 2,408,537; Oct. 1.
- Weingarten, Murray, New York, N. Y. Furniture construction. 2,393,349; Jan. 22.
- Weinhagen, Carl, assignee: *See* O'Neil, John G., and Zesbaugh.

- Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monofluoro-dichloro-styrene and the manufacture of the same. 2,395,483; Apr. 16.
- Weinrich, Arthur R.: *See—*
Colbert, William H., and Weinrich.
- Weinrich, Arthur R., Brackenridge, Pa., assignor to Lindey-Owens-Lord Glass Company, Toledo, Ohio. Apparatus for production of mirrored surfaces. 2,401,443; June 4.
- Weinrich, William W.: *See—*
Bonell, William S., and Weinrich.
- Weinstein, Louis: *See—*
Skinkile, John H., and Weinstein.
- Weinzimmer, Samuel J., New Rochelle, N. Y. Cushion or mattress. 2,401,995; June 11.
- Weir, G. & J. Limited, assignee: *See—*
Hillier, Harold.
Hillier, Harold, and McAlpine.
Sim, James.
- Weir, Horace M., Wynnewood, Pa., assignor to The United Gas Improvement Company. Multistage method of purifying styrene. 2,413,674; Dec. 31.
- Weisbecker, Frank G., Glenside, and J. Weisbecker, Philadelphia, assignors to Hosley Patents Inc., Lansdale, Pa. Fabric tensioning means. 2,396,766; Mar. 19.
- Weisbecker, Julius: *See—*
Weisbecker, Frank G. and J.
- Weisberg, Mark: *See—*
Kroll, Harry H., and Weisberg.
- Weisberg, Samuel M., E. G. Stimpson, and J. Greenspan, Baltimore, Md., and D. F. Othmer, Brooklyn, N. Y., assignors to Sealtest, Inc., Baltimore, Md. Preparing water-soluble alkyl lactates. 2,406,648; Aug. 27.
- Weisburg, Samuel M., E. G. Stimpson, and J. Greenspan, assignors to Sealtest, Inc., Baltimore, Md. Copolymers. 2,393,438; Jan. 22.
- Weise, Carl A., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Latch. 2,393,945; Jan. 29.
- Weisel, Eliza J., Van Nuys, Calif. Bedding for infants cribs. 2,404,935; July 30.
- Weisenthal, Joseph L., Bronx, N. Y. Self-inking rubber stamp. 2,398,509; Apr. 16.
- Weiser, Harry B., and W. O. Milligan, Houston, Tex., assignors to Houdry Process Corporation, Wilmington, Del. Preparing porous silica. 2,395,524; Feb. 26.
- Weiser, Harry B., Houston, Tex., E. A. Smith, Media, and J. S. Mackay, Prospect Park, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Manufacture of stable alumina and impregnated alumina catalysts. 2,406,420; Aug. 27.
- Weissglass, Louis L.: *See—*
Simmon, Alfred, and Weissglass.
- Weissglass, Louis, New York, N. Y. Means to ignite photographic flash lamps. 2,395,600; Feb. 26.
- Weissglass, Louis, New York, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y. Means to ignite photographic flash. 2,409,967; Oct. 22.
- Weissglass, Louis L., New York, assignor, by mesne assignments, to Simmon Brothers, Inc., Long Island City, N. Y. Light measuring device for photographic enlargers. 2,411,486; Nov. 19.
- Weiskopf, Edwin C., New York, N. Y. Preparing tissue. 2,393,580; Jan. 22.
- Weiss, Abraham and J., New York, N. Y. Saving fuel in internal-combustion engines. 2,392,207; Jan. 1.
- Weiss, Abraham, and J., New York, N. Y. Method and means for saving fuel in internal-combustion engines. 2,393,579; Jan. 22.
- Weiss, Albert A., Brooklyn, N. Y. Thermometer. 2,395,701; Feb. 26.
- Weiss, Charles, Corona, Long Island, assignor to J. Brandt & Bro. Inc., New York, N. Y. Apparatus for feeding spangles to spangling machines. 2,400,616; May 21.
- Weiss, Ernst, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Treating cellulose-containing textiles. 2,411,818; Nov. 26.
- Weiss, Frederick T., Normandy, Mo., and C. E. Arbutnot, Wood River, Ill., assignors to Shell Development Company, San Francisco, Calif. Aviation gasoline. 2,399,413; Apr. 30.
- Weiss, Frederick T., Normandy, Mo., and W. A. Sullivan, Edwardsville, Ill., assignors to Shell Development Company, San Francisco, Calif. Aircraft fuel tank lining. 2,403,200; July 2.
- Weiss, Gerhart, Sunnyside, assignor of twenty-five per cent to P. Porzelt, New York, and twenty-five per cent to E. Lunzer, Kew Gardens, Long Island, N. Y. Apparatus for producing corrugated structures. 2,406,051; Aug. 20.
- Weiss, Joseph: *See—*
Weiss, Abraham and J.
Weiss, Abraham, and Joseph.
- Weiss, Le Roy, assignor to Signode Steel Strapping Company, Chicago, Ill. Adjustable pallet. 2,405,535; Aug. 6.
- Weiss, Robert H., Plainfield, and A. C. Wintringham, Glen Ridge, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of 2:3-hydroxy naphthoic arylides. 2,594,279; Feb. 5.
- Weiss, Robert H., Plainfield, and A. C. Wintringham, Glen Ridge, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of arylides of aromatic ortho-hydroxy carboxylic acids. 2,410,397; Oct. 29.
- Weissberger, Arnold: *See—*
Porter, Henry D., and Weissberger.
Salmelin, Ilmari F., and Weissberger.
- Weissberger, Arnold, C. J. Kibler, and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Color coupler. 2,407,210; Sept. 3.
- Weissberger, Arnold, C. J. Kibler, and R. V. Young, assignors to Eastman Kodak Company, Rochester, N. Y. Thioglycolic amides. 2,412,700; Dec. 17.
- Weissman, Eugene, Baltimore, Md. Pontoon structure for airplanes. 2,412,793; Dec. 17.
- Weiss, John, Baldwin, Long Island, and Hans Held, Flushing, N. Y. Device for washing and conditioning air and gases. 2,409,088; Oct. 8.
- Weizmann, Charles, London, W. C. 1, England. Production of aromatic bodies. 2,397,715; Apr. 2.
- Wejnarth, Axel R., Stockholm, Sweden. Electrical resistance element. 2,406,275; Aug. 20.
- Wejnarth, Axel R., Stockholm, Sweden. Electrical resistance elements durable at high temperatures and proof against chemical action, and making same. 2,412,873; Dec. 10.
- Wejnarth, Axel R., Stockholm, Sweden. Electrical resistance elements durable at high temperatures and proof against chemical action, and making same. 2,412,874; Dec. 10.
- Wejnarth, Axel R., Stockholm, Sweden. Electrical resistance elements durable at high temperatures and proof against chemical action, and making same. 2,412,875; Dec. 10.
- Wejnarth, Axel R., Stockholm, Sweden. Electrical resistance elements durable at high temperatures and proof against chemical action, and making same. 2,412,876; Dec. 10.
- Wekeman, Stephen N., Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation. Camera. 2,402,107; June 11.
- Wekeman, Stephen N., Saddle River Township, N. J., assignor to Sun Chemical Corporation. Camera. 2,405,247; Sept. 24.
- Welborn, Arthur A., Rogers, Ark. Brooder. 2,396,065; Mar. 5.
- Welch, Alanson U., Jr., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,407,626; Sept. 17.
- Welch, Clarence M., assignor to John H. Mulholland Co., Milford, Del. Spoon. 2,401,534; June 4.
- Welch, Floyd D., Shreveport, La. Secret fastener. 2,398,984; Apr. 23.
- Welch, Floyd D., Shreveport, La. Caulking gun. 2,398,985; Apr. 23.
- Welch, Gerard H.: *See—*
Wells, Robert L., and Welch.
- Welch, Harry W., Walled Lake, assignor to Novi Equipment Company, Novi, Mich. Wire coiling machine. 2,398,900; Apr. 23.
- Welch, Henry M., Seattle, Wash. Boxcar brace. 2,411,768; Nov. 26.
- Welch, Patrick O., Birmingham, Mich. Toolholder. 2,399,966; May 7.
- Welch, William P., Arlington, Va., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Accelerometer. 2,411,401; Nov. 19.
- Welding Research, Inc., assignee: *See—*
Goldowski, Natacha.
- Welding Service Sales, Inc., assignee: *See—*
O'Reilly, Joe.
- Weldon Tool Company, The, assignee: *See—*
Hedin, Oscar C.
- Welinsky, Irving H.: *See—*
Gorin, Manuel H., and E. Sharp, and Welinsky.
- Wells, Nelson S., assignor to The McCabe Company, Athens, Ohio. Apparatus for cooling and hardening wax carbon coatings. 2,408,498; Oct. 1.
- Wells Surveys, Incorporated, assignee: *See—*
Neufeld, Jacob.
- Wentecorvo, Bruno.
- Weller, Arnold N., Milwaukee, Wis. Storm window. 2,405,248; Aug. 6.
- Weller, Carl E., Easton, Pa. Electrical heating apparatus. 2,405,866; Aug. 13.
- Weller, Charles J., Coulee City, Wash. Anchoring bracket. 2,404,152; July 16.
- Weller, George L., Jr., Washington, D. C. Flow control device. 2,401,782; June 11.
- Welling, Charles E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating hydrocarbons. 2,392,277; Jan. 1.
- Welling, Charles E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating cyclopentene from piperylene. 2,401,282; May 28.
- Welling, Charles E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of acetylen from gases. 2,401,444; June 4.
- Welling, Charles E., Wilkinsburg, Pa., assignor to Phillips Petroleum Company. Separation of hydrocarbons. 2,395,362; Feb. 19.

- Wellman, Katherine, assignor to Bacwell Enterprises Incorporated, New York, N. Y. Clothes cleaning device. 2,410,323; Oct. 29.
- Wellman, S. K., Company, assignee: *See*—
Lowey, Francis J., and Tower.
- Wellman, S. K., Company, The, assignee: *See*—
Kupersmith, Leo S., and Wirt.
Lowey, Francis J.
Sutton, Walter C.
- Wells, Alton R., assignee: *See*—
Daies, George F.
- Wells, Alvin W., Chicago, assignor of one-half to J. W. Wells, Decatur, Ill. Apparatus for producing electrical oscillations. 2,408,589; Oct. 1.
- Wells, C. G., assignee: *See*—
Walker, Jay P.
- Wells, David E., San Leandro, Calif. Ball forming mill. 2,409,649; Oct. 22.
- Wells, Frank E., Alliance, Ohio. Piston expander. 2,408,499; Oct. 1.
- Wells, Franklin H., Hackensack, N. J., and J. J. Root, Hastings on Hudson, N. Y., assignors to American Machine & Foundry Company. Web-registering device. 2,400,447; May 14.
- Wells, George P., U. S. Army, Chicago, Ill. Adjustable vessel holder for field ranges. 2,394,574; Feb. 12.
- Wells, Jewel W., assignee: *See*—
Wells, Alvin W.
- Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Utilizing acid sludge. 2,404,608; July 23.
- Wells, Martin, Los Angeles, Calif. Electrode holder. 2,405,536; Aug. 6.
- Wells, Martin, Los Angeles, Calif. Insulated electrode holder. 2,412,809; Dec. 10.
- Wells, Merritt R., York, Pa. Fuel tank. 2,407,622; Sept. 10.
- Wells, Percy A., Abington, and D. Swern, Melrose Park, Pa., assignors to The United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Derivatives of isoscorbic acid. 2,408,182; Sept. 24.
- Wells, Percy A., Abington, and D. Swern, Melrose Park, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Derivatives of isoscorbic acid. 2,408,187; Oct. 8.
- Wells, Ralph L., Stetson, N. J., assignor to Johnson & Johnson. Novel method of sealing and testing ampoules. 2,396,728; Mar. 19.
- Wells, Ralph L., Stetson, N. J., assignor to Johnson & Johnson. Apparatus for testing fusion sealed ampoules. 2,396,729; Mar. 19.
- Wells, Robert L., and G. H. Welch, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resilient mounting. 2,399,414; Apr. 30.
- Wells, Rondal E.: *See*—
Levine, Joseph, and Wells.
- Wells, Roy E., assignor to Art Metal Construction Company, Jamestown, N. Y. Filing cabinet. 2,410,255; Oct. 29.
- Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 2,407,355; Sept. 10.
- Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Colored light signal. 2,413,127; Dec. 24.
- Wellstein, Wilhelm, assignor to Ex-Cell-O Corporation, Detroit, Mich. Motor mounting. 2,400,448; May 14.
- Wellsworth Piston Rings Limited, assignee: *See*—
Howlett, John W.
- Welsch, Louis A., assignor to American Holst & Derrick Co., St. Paul, Minn. Machine for operating on materials. 2,409,968; Oct. 22.
- Welshman, James R.: *See*—
Donkercley, Albert B., and Welshman.
- Welte, Benedict, Lake Orion Township, Oakland County, assignor to Colonial Broach Company, Detroit, Mich. Pull broach machine with work feeding table. 2,395,702; Feb. 26.
- Welton, Norman S., Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Staple fiber and production thereof. 2,411,644; Nov. 29.
- Welton, Wright M.: *See*—
Haywood, Gerald, and Welton.
Obenshain, Noel, and Welton.
- Weltronic Company, assignee: *See*—
Colom, Cletus J.
- Wetly, Albert B., Jr.: *See*—
Holder, Clinton H., and Wetly.
Kuhl, Paul E., and Wetly.
- Wetly, Albert B., Moline, Ill., assignor to International Harvester Company. Harvester. 2,399,774; May 7.
- Wetly, Albert B., Moline, Ill., assignor to International Harvester Company. Grain dehydrator. 2,410,851; Nov. 12.
- Wetly, Albert B., Jr., Mountslside, N. J., assignor to Standard Oil Development Company. Reforming. 2,406,117; Aug. 20.
- Wemp, Eleanor M., assignee, et al.: *See*—
Wemp, Ernest E.
- Wemp, Ernest E., Detroit, Mich. Centrifugal clutch. 2,395,308; Feb. 10.
- Wemp, Ernest E., assignor of fifty per cent to C. J. Smith, 5 per cent to L. K. Smith, twenty per cent to L. A. Wemp, Detroit, Mich., and five per cent to E. M. Wemp, Los Angeles, Calif. Transmission. Re. 22,761; May 28.
- Wemp, Lila A., assignee, et al.: *See*—
Wemp, Ernest E.
- Wenberg, Herbert B., De Pere, Wis. Plasticizing of glassine papers. 2,403,697; July 9.
- Wenck, Peter R., and W. A. Henson, assignors to The Dow Chemical Company, Midland, Mich. Fumigation method. 2,407,333; Sept. 10.
- Wendler, Jerome A., Los Angeles, Calif. Bottle carrier. 2,397,716; Apr. 2.
- Wendt, Frederick C., Copiague, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,411,401; Nov. 19.
- Wendt, Karl R.: *See*—
Bedford, Alda V., and Wendt.
- Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Electric wave multiplier circuit. 2,398,064; Apr. 9.
- Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Synchronizing system. 2,406,977; Sept. 3.
- Wendt, Karl R., Hightstown, and A. V. Bedford, Princeton, N. J., assignors to Radio Corporation of America. Square coding wave generator for secret telecommunication systems. 2,406,978; Sept. 3.
- Wendt, Robert H., assignee: *See*—
Hubbard, David C.
- Wenger, Wiley D., Camden, N. J., assignor to Radio Corporation of America. Drying moisture laden articles. 2,397,897; Apr. 2.
- Wennerby, Arthur O. L., Stockholm, Sweden. Gate valve. 2,394,128; Feb. 6.
- Wenk, Edward A., New York, assignor to The Keystone Manufacturing Co., Buffalo, N. Y. Fitting for flared tubing. 2,399,275; Apr. 30.
- Wenk, Edward A., New York, assignor to The Keystone Manufacturing Co., Buffalo, N. Y. Heat exchanger. 2,410,912; Nov. 12.
- Wenthe-Davidson Engineering Co., assignee: *See*—
Wenthe, William.
- Wenthe, William, assignor to Wenthe-Davidson Engineering Co., Milwaukee, Wis. Bottle carrier. 2,395,601; Feb. 26.
- Wentworth, Frank E., Exeter, N. H., assignor, by mesne assignments to The Smith & Wesson Company, Bridgeport, Conn. Switch boxes and the like and connecting nipple therefor. 2,393,581; Jan. 22.
- Wentworth, Philip C., Providence, R. I., assignor to National Ring Traveler Company, Pawtucket, R. I. Twister traveler. 2,409,918; Oct. 22.
- Wents, Edward C., Sharpville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Linear coupler. 2,411,403; Nov. 19.
- Wenzel, Albert A.: *See*—
Sandow, Abraham, and Wenzel.
- Wenzel, Fred J., Chicago, Ill. Braking mechanism for film reel-supporting shafts. 2,398,733; Apr. 16.
- Wenzel, Victor, assignor to Wenzel Company, assignee: *See*—
Roehner, William A.
- Wenzelberger, Elwood P.: *See*—
Turner, George T., and Wenzelberger.
- Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator. 2,405,338; Aug. 6.
- Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator control system. 2,410,695; Nov. 5.
- Werner, Francis V., Bridgeton, N. J. Batch scale. 2,410,138; Oct. 29.
- Werner, Harry C.: *See*—
Rushing, Frank C., Werner, and Cametti.
- Werner, Herbert B., and J. Verson, assignors to Verson Alletted Press Company, Chicago, Ill. Punch press. 2,405,537; Aug. 6.
- Werner, Karl, Kiel-Wik, Germany; vested in the Allen Property Custodian. High-pressure closing device. 2,394,345; Feb. 6.
- Werner, Leo C.: *See*—
Cherry, Sidney J., Werner, and Knochel.
Dailey, Hampton J., and Werner.
Dinnick, George M., and Werner.
Grandmont, Paul E., and Werner.
- Werner, Leo C., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrode and making the same. 2,398,609; Apr. 16.
- Werner, Leo C., and H. J. Dailey, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,398,608; Apr. 16.
- Werner, Sture E., Engelbrektsgatan 19, Stockholm, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Antiriftion mechanism. 2,398,065; Apr. 9.
- Werner, Sture E., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electromagnetic motor. 2,404,331; July 16.

- Verner, Sture E., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Motor for telephone selectors. 2,404,332; July 16.
- Werntz, James H., *See*—
- Alvarado, Alfonso M., Lazier, and Werntz.
- Lazier, Wilbur A., Signaigo, and Werntz.
- Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes and products. 2,402,698; June 25.
- Werring, Walter W., *See*—
- Kindermann, Wilfred J., and Werring.
- Werthelm, Oscar, and L. Moses, Brooklyn, N. Y. Electric soldering iron. 2,403,158; July 2.
- Wertheimer, Albert; *See*—
- Browder, Maurice E., and Wertheimer.
- Werts, Leo L., Moscow, Idaho. Dried split peas and treating same. 2,400,144; May 14.
- Werts, Walter G., Bloomfield, Iowa. Spreader and dump box. 2,393,849; Jan. 29.
- Wertz, Hugh S., assignee, trustee: *See*—
- Earle, Guyon L. C.
- Weseman, Chester A., Austin, Minn. Building siding. 2,403,518; July 2.
- Weskenson Corporation, assignee: *See*—
- Moo, Gotthard T.
- Wesley, Edwin F., Chery Chase, Md. Automatic mark clearing device. 2,409,232; Oct. 15.
- Wesley, Carl, assignor to C. Wessel and L. W. Cleminson, Chicago, Ill., as trustees. Casting machine. 2,407,334; Sept. 10.
- Wessel, Carl, assignor to C. Wessel and L. W. Cleminson, Chicago, Ill., as trustees. Making metal castings. 2,411,176; Nov. 19.
- Wessel, De Wayne; *See*—
- McGill, Chester T., Wessel, and Smith.
- Wesselman, Albert, Cincinnati, Ohio. Handle structure for bottle carriers. 2,397,898; Apr. 2.
- Wesselman, Albert, Cincinnati, Ohio. Bottle carrier. 2,402,218; June 18.
- Wesselman, Albert, Cincinnati, Ohio. Bottle carrier. 2,402,219; June 18.
- West Bend Equipment Corporation, assignee: *See*—
- Klumb, Carl E.
- West, Carl H., St. Clairsville, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace closure. 2,407,047; Sept. 3.
- West, Charles P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchgear apparatus. 2,412,931; Dec. 17.
- West, Chester, Brooklyn, N. Y. Shield for electrical wall fixtures and the like. 2,398,901; Apr. 23.
- West Disinfecting Company, assignee: *See*—
- Gits, Joseph A.
- Huppke, Walter F.
- West, Douglas L., assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada. Photoelectric consistency indicating method. 2,394,129; Feb. 5.
- West, Edward B., Richmond, Va. Stringing needles. 2,401,535; June 4.
- West, Francis, Jr.; *See*—
- Carter, Leslie F., and West.
- West, Francis, Jr., Roslyn, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Northerly turning error compensating means. 2,400,582; May 21.
- West, Herbert J., Stamford, Conn., assignor to American Cyanamid Company of New York, N. Y. Textile finishing. 2,397,451; Mar. 26.
- West, Herbert J., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of methylol urea ethers. 2,397,825; Apr. 2.
- West, Herbert J., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of dialkyl esters. 2,397,826; Apr. 2.
- West, James, Newton, and W. M. Davis, Cambridge, Mass., assignors to Craftsman Line-up Table Corporation, Waltham, Mass. Printer's line-up table. 2,399,610; Apr. 30.
- West, James, Newton, and W. M. Davis, Cambridge, assignors to Craftsman Line-Up Table Corporation, Waltham, Mass. Printer's line-up table. 2,410,559; Nov. 5.
- West, John; *See*—
- Aldis, Arthur C. W., and West.
- West, Maxwell A., Portland, Oreg. Automatic counter-balance for boom derricks. 2,408,500; Oct. 1.
- West, Philip W., assignor to Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La. Making ice. 2,394,647; Feb. 12.
- West, Robert D., and W. U. Vinton, assignors to Manitowoc Shipbuilding Company, Manitowoc, Wis. Low-temperature cabinet construction. 2,399,967; May 7.
- West, Truetham F.; *See*—
- Robinson, Robert, Cornforth, and West.
- West, Victor E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car roof. 2,410,191; Oct. 29.
- Westkamp, Leslie L., North Sacramento, Calif. Aircraft landing wheel rotator. 2,408,968; Oct. 8.
- Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Magnetic induction accelerator. 2,394,071; Feb. 5.
- Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Electron accelerator control system. 2,394,072; Feb. 5.
- Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Electron accelerator. 2,394,073; Feb. 5.
- Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Ray-generating apparatus. 2,405,477; Aug. 6.
- Westergaard, Carl C., assignor to Reichel & Drews, Inc., Chicago, Ill. Automatic winding machine. 2,403,147; July 2.
- Westerkamp, Hugo, Koln-poll, Germany; vested in the Alien Property Custodian. Producing bridging matrix for endless sound bands. 2,404,761; July 23.
- Westerman, Max E., Bronx, N. Y. Watch strap with watch retaining loop. 2,395,771; Feb. 26.
- Western Electric Company, assignee: *See*—
- Rea, Wilson W., and Wiltrakis.
- Western Electric Company, Incorporated, assignee: *See*—
- Abbit, Frank W.
- Rabbit, Bethel J.
- Bandur, Adolph F.
- Barkstrom, Elmer E., and Williams.
- Barrett, James B.
- Barthelemy, Roland A., and Neuhaus.
- Baum, John L.
- Beardsell, Allyn C.
- Berggren, George E., Bertalan, and Logan.
- Blaisdell, Charles O.
- Blount, Harry.
- Bouget, Yves A.
- Brown, Morris, and Harr.
- Brunner, Anton J.
- Buckwald, Charles E.
- Bureau, Arthur A.
- Burns, Gordon K., Pitt, and Waters.
- Cherry, George L., and Veale.
- Cox, Thomas K., Gray, and Rayburn.
- Cross, Robert P., Jr., Dillingier and Ogden.
- Daniel, Thomas A.
- Detrick, Judson N.
- Edelman, Beril, and Pizzi.
- Eklund, Carl O.
- Eppler, Walter T., and Husson.
- Ewaldson, Waldemar C.
- Farance, Harry F.
- Frank, George H.
- Frankwich, Alexander C.
- Franz, Erwin E.
- Gauthier, Marcel C.
- Hansen, Carl E.
- Hansen, Lloyd D., Harris, Hegeman, and Snook.
- Hays, James B., Jr.
- Hill, Russell J.
- Hoff, Wilbur L., and Shaw.
- Hortworth, David R.
- Jarman, Vincent G.
- Johansson, Sven G.
- Johansson, Sven G., and Slechta.
- Johnson, Joel E.
- Jongedyk, Ralph.
- Juvinal, James W., and Stuhlfauth.
- Keller, William J.
- King, John W., and Stuhlfauth.
- Kivley, Ray C.
- Komroff, Paul, Pitt, and Waters.
- Larsen, Elmer W.
- Lea, George D., and Pfeiffer.
- Emblitz, Joseph J., Martin, and Miller.
- Lennon, Harry D.
- Longfellow, Harold R.
- Luley, John C.
- Malcolmson, William J., and Miner.
- Martin, Samuel M.
- Marmadell, Frank.
- McCain, Cecil C.
- McCann, Alexander C., and Walsh.
- McCoy, Clarence E.
- Miller, Merton R.
- Mitchell, Donald H.
- Moller, Kasper F.
- Muller, John T.
- Neuhaus, Elmer C., and Verrill.
- Newton, William.
- Pash, Robert.
- Pollard, Robert R.
- Prudhon, Glenn L.
- Rayburn, Vincent A.
- Reicheit, Lester O., and Waters.
- Reynolds, Ellwood W.
- Rogers, Donald H.
- Rogers, Donald H., and Schilha.
- Scherb, Walter R.
- Schietinger, James R.
- Scott, Edward C.
- Serantom, De Hart G.
- Shear, Walter B.
- Sinclair, Albert L., and Stastney.
- Srip, Emil.
- Smith, Charles C., and Waters.
- Snorek, Stanley J.

Western Electric Company, Incorporated, assignee: *See—*
Continued
Stafford, Alfred E.
Stenson, Olin, and Vinson.
Stevens, John E.
Stoll, Reinhold.
Stuhlfauth, George.
Stull, John S.
Swanson, Nils H.
Yeale, Charles C.
Wagner, Julius A.
Wright, Robert L., II.
Young, Roger W.

Western Electric Corporation, assignee: *See—*
Cherry, Sidney J., Werner, and Knochel.
Clark, Earl K., and Wojcik.
Deleau, Joseph G.
Dinnick, George M., and Quitter.
Mouromtseff, Ilia E., and Dinnick.
Powell, Arthur L., and Robinson.
Wang, Chao C.
Werner, Leo C.
Werner, Leo C., and Dailey.

Western Felt Works, assignee: *See—*
Wilkins, Roger D.

Western Foundation Company, assignee: *See—*
Caudill, Howard P.

Western Laundry Machinery Company, assignee: *See—*
Sando, Joseph B.

Western Plastics, Incorporated, assignee: *See—*
Squires, Fred H.

Western Precipitation Corporation, assignee: *See—*
Dawson, Robert A.
Hamilton, James H., and White.
Rich, Paul C.
Schmidt, Walter M., and Townsend.
Vieta, Floyd H.
White, Harry J.

Western Rubber and Supply Company, assignee: *See—*
Gillespie, Stanley E.

Western States Machine Company, The, assignee: *See—*
Hertrich, Joseph.
Roberts, Eugene.

Western Union Telegraph Company, The, assignee: *See—*
Anderson, James N.
Anderson, James N., and Hoover.
Angel, Herbert.
D'Humy, Fernand E.
Dirkes, Robert E., Melick, and Kimball.
Edgar, William F. W., Jr.
Erickson, George L.
Haglund, Hakon H., and Breyfogel.
Hieronymus, Charles G., Ridings, and Wise.
Khalil, Seyd.
Kline, Bernard L., and Mobius.
Light, George G.
Light, George G., Agnew, and Janson.
Magee, Bruce V.
Mamplate, Adolph Z., and Reed.
O'Brien, Frederic L.
Ridings, Garvice H.
Ridings, Garvice H., and Wise.
Wheeler, Herbert H.
Wise, Raleigh J.
Wise, Raleigh J., and Ridings.

Westervelt, John R., Jr., Duxbury, assignor to National Fireworks, Inc., West Hanover, Mass. Revolving crane accessory for fork trucks. 2,410,373; Oct. 29.

Westin, Axel: *See—*
Westin, Sven and A.

Westin, Sven, West Allis, assignor to A. O. Smith Corporation, Milwaukee, Wis. Method and apparatus for electrically heating and forming metal bodies. 2,397,717; Apr. 2.

Westin, Sven, West Allis, and A. Westin, assignors to A. O. Smith Corporation, Milwaukee, Wis. Thickening a localized longitudinal element in a tube. 2,405,478; Aug. 6.

Westinghouse Air Brake Company, The, assignee: *See—*
Bent, Arthur J.
Bush, Rankin J.
Cook, Earle S.
Cotter, George L.
Crittenden, Philip L.
Down, Sidney G., and Miller.
Down, Sidney G., and Miller.
Good, John N.
Hewitt, Ellis E., and Watson.
Hines, Claude M.
Hines, Claude M., and Rush.
Hines, Claude M., and Stewart.
Kelley, Cecil S.
Larson, Arthur G.
May, Harry C., and McClure.
McCune, Joseph C.
McCure, Glenn T.
Mueller, Emil G.
Nelson, Claude A.
Nelson, Claude A., Good, and De Salardi.
Rush, John W., and Bent.
Sekera, Charles J.
Sexton, Everett P.

Westinghouse Air Brake Company, The assignee: *See—*
Continued
Stevens, Roy R.
Stevens, Roy R., and Erson.
Stewart, Carlton D.
Whitney, Ralph T.

Westinghouse Electric Corporation, assignee: *See—*
Alben, Frank L.
Armstrong, George C.
Arnott, Edward G. F., and Dawley.
Arnold, Edwin E., and White.
Arters, Edward T.
Atwell, Clarence A.
Atwell, Clarence A., and Wilby.
Austin, Bascom O.
Baker, Benjamin P.
Baker, Benjamin P., and Leeds.
Baker, Benjamin P., and Webb.
Baker, Robert M.
Barclay, William L., Jr.
Barker, Harry H.
Barker, Harry H., Hill, and Berberich.
Barnsteiner, Alfons.
Bartholy, Frederick E.
Baudry, René A., and Pollard.
Baudry, René A., Rushing, and Fink.
Beese, Norman C.
Bendz, Waldemar I.
Bergstrom, Lawrence G.
Berkey, William E., Hershey, and Lamphere.
Berneski, Anthony J.
Bernhardt, Jacob.
Bichsel, Harry J.
Blets, Edward.
Blunk, Gene D., and Edwards.
Bock, Ashley P.
Boden, Samuel H., and Cumming.
Bostwick, Myron A., and Lensner.
Bowman, Robert C., and Rathbun.
Boyd, John, and Rice.
Boykin, John R.
Brace, Porter H.
Bradbury, Donald.
Brecht, Winston A.
Brecht, Winston A., and Alben.
Brecht, Winston A., and Kerr.
Breckenridge, Frank.
Breckenridge, Frank, and Boyd.
Briggs, Maynard R., and Macdonald.
Brogie, Francis J.
Brown, Myron J., and Taliaferro.
Carlin, Herbert J.
Carpenter, Walter E.
Cassen, Benedict.
Check, Robert C.
Chubb, Lewis W.
Chubbuck, Leonard B.
Clark, Earl K.
Clifford, David G.
Clifford, David G., and Mouromtseff.
Clifford, David G., and Okress.
Cody, Clifford S.
Coltman, John W.
Condon, Edward U.
Cosley, John.
Cox, Joseph H., and Myers.
Croco, Charles P.
Cumming, James M.
Cumming, James M., and Cunningham.
Cunningham, Richard C.
Curry, Herman H., and Dudley.
Cuttino, William H.
Dailey, Hampton J.
Dailey, Hampton J., and Werner.
Daly, Thomas A.
Davenport, Charles C.
Dawley, Clarence E.
Denault, Clinton L.
Dent, William U.
Derr, Willard A.
Derr, Willard A., and Cheek.
Derr, Willard A., and Reagan.
Dickinson, Robert C.
Dickinson, Robert C., Stuellein, and Florschutz.
Dinnick, George M., and Werner.
Dorfman, Hiller D.
Dorris, Robert C.
Dunlop, James.
Dyer, Lloyd W., and Freese.
Famos, William F.
Eberhart, Arthur H.
Ellis, Delbert, and Alspach.
Ellis, Delbert, Taylor, and Basnett.
Elmer, William B.
Elmer, William B., and Rimer.
Eisey, Howard M., and Horstman.
Evans, George S.
Exner, Donald W.
Feltner, Richard D.
Feldler, Frederick D., and Grimmer.
Findlay, John H., Dawley, and Pfeiffer.
Fischer, Eugene H.
Forbes, Allan D.

Westinghouse Electric Corporation, assignee: See—Continued

Forbes, Allan D., Leonard, and Halloran.
 Ford, James G.
 Fraser, Walter G., Jr.
 Friedrich, Robert E.
 Fulton, Wilbur C.
 Gates, Henry S.
 Gates, Henry S., and James.
 Godsey, Frank W., Jr.
 Goldsborough, Shirley L.
 Graybill, Howard W.
 Graham, Paul S.
 Grandmont, Paul E., and Werner.
 Gustin, Daniel S., and Bryant.
 Gustin, Daniel S., and Herman.
 Hall, Roy D.
 Hall, Roy D., and Romanelli.
 Hanna, Clinton R.
 Hanna, Clinton R., and Lynn.
 Hanna, Clinton R., and Mikina.
 Hanna, Clinton R., and Oshon.
 Hanson, Harold F., and Morrow.
 Harder, Edwin L.
 Harding, William R.
 Harris, Walter R.
 Heddleson, Fred A., and Weierich.
 Heilman, Joseph R.
 Hein, Carl C.
 Heitchoe, Regis D.
 Kilgore, Lee A.
 Hill, Allan W., and Cumming.
 Hodnette, John K.
 Holowenko, Alfred R.
 Horstman, Clifford C.
 Horstman, Clifford C., and Bramble.
 Houck, James P.
 Houck, James P., and Gelselman.
 Huber, John K.
 Iglehart, Ferdinand C.
 Immel, Ralph B.
 Ivy, Joe G.
 James, Paul E.
 Jenks, Harold C.
 Jernstedt, George W., and Lum.
 Johnston, William A.
 Jones, Maurice F.
 Jones, Maurice F., and Hanson.
 Jones, Maurice F., and R. C.
 Jones, Maurice F., and Kilgore.
 Jones, Ruel C.
 Jones, Ruel C., and M. F.
 Kessler, Wilbur.
 Kilgore, Lee A., and Criner.
 Kilgore, Lee A., and Smith.
 Kimball, Albert W.
 King, George E.
 King, George E., and Formbals.
 Kisch, Joseph P.
 Kovalsky, Joseph F.
 Krapf, Herman C.
 Krasik, Sidney.
 Kresser, Jean V.
 Kroon, Reinout P.
 Laidig, Alfred H.
 Langer, Bernard F., and Wommack.
 Lee, Reuben.
 Leeds, Winthrop M.
 Lenchan, Bernard E., and Wey.
 Lensner, Herbert W.
 Leonard, Merrill G.
 Lessman, Gerhard P.
 Levy, Cyril C.
 Liddington, Stanley J.
 Lindstrom, Pure, and May.
 Liwshitz, Michael.
 Lockwood, Edwin H.
 Ludwig, Leon R., and Baker.
 Ludwig, Leon R., Baker and Bakken.
 Ludwig, Leon R., Leeds, and Baker.
 Lum, John C.
 Lynn, Clarence.
 Lynn, Lawrence B., and Hanna.
 MacNeill, John B.
 Mahnke, Kurt.
 Mahoney, John R.
 Mahoney, John R., and Bichsel.
 Marbury, Ralph E.
 Marbury, Ralph E., and Field.
 Mason, Robert E.
 May, John W.
 McCurdy, William H., and Hutcheson.
 McElvain, James W.
 Mehring, Arthur C., Lensner, and Goldsborough.
 Monori, Emil, and Myhre.
 Morand, Louis D.
 Morehead, Chalmers.
 Morton, Eldred O.
 Moses, Graham L., and Atwell.
 Mosshart, Donald J.
 Mouromtseff, Ila E., and Dinnick.
 Mouromtseff, Ila E., and Findlay.
 Mueller, Erich O., and Wagner.

Westinghouse Electric Corporation, assignee: See—Continued

New, Winston R.
 Okress, Ernest C.
 Okress, Ernest C., and Kusch.
 Okress, Ernest C., Nelson, and Retherford.
 Oman, Carl.
 Owens, James B., and Hitson.
 Packer, Lewis C.
 Pakala, William E.
 Pakala, William E., and White.
 Parker, Charles H., and Covington.
 Peglow, Walter.
 Pendleton, Wesley W., and Frost.
 Pennow, Willis A.
 Peters, John F.
 Phelps, George H.
 Pierce, Lawrence, and Immel.
 Pollard, Ernest I.
 Ponomareff, Alexander I.
 Ponomareff, Alexander I., and Mayne.
 Pottinger, Alexander.
 Powers, Frank B.
 Price, George E.
 Pringle, Mark A.
 Quimper, Anthony A.
 Rawlins, Herbert L., and Mikos.
 Rawlins, Herbert L., and Wallace.
 Raymond, John E.
 Read, Ernest K.
 Read, Thomas A.
 Reagan, Maurice E.
 Reagan, Maurice E., and Derr.
 Reilly, Jack E.
 Rennie, Robert F.
 Rentschler, Harvey C., and Henry.
 Riccitiello, Michael.
 Richardson, Henry K.
 Richardson, Henry K., Newcombe, and Laidig.
 Rigrod, William W., and Clifford.
 Ritter, Irving S.
 Ritter, John G.
 Rose, Binnie A., and Powers.
 Rose, Herbert A.
 Roth, Willard.
 Russell, William J.
 Rushing, Frank C., Werner, and Cametti.
 Santini, Danilo, and Heath.
 Sateren, Martin G.
 Sateren, Martin G., and Derr.
 Schaeclchin, Walter.
 Schaeclchin, Walter, and Hornbarger.
 Schmidt, Henry F.
 Scott, Howard, and Gordon.
 Seastone, John E., and Brandt.
 Semar, Harold W.
 Shaw, Harold D.
 Shoupp, William E.
 Slack, Charles M., and Arnott.
 Slack, Charles M., Dawley, and Pfeiffer.
 Slack, Charles M., Ehrke, and Dawley.
 Slack, Charles M., Pfeiffer, and Dawley.
 Slepian, Joseph.
 Smith, Charles W.
 Smith, Walter H.
 Snyder, Frederick D.
 Sonnemann, William K.
 Sparkes, Harry P., and Johansson.
 Spear, Wendell C., and Schaefer.
 Strong, Robert M.
 Tabinferro, William R.
 Tashjian, David R.
 Taylor, Charles H.
 Thompson, Albert S.
 Thompson, Elvin A.
 Toth, Julius.
 Tull, Robert H.
 Welch, William P.
 Wallace, James M.
 Walley, Omar C.
 Watrous, Ward W., Jr.
 Way, Stewart.
 Webb, Herbert J.
 Weil, Conrad.
 Wells, Robert L., and Welch.
 Wentz, Edward C.
 West, Charles P.
 Veybrew, Thelbert L.
 White, Alfred B.
 Whitefield, Kyle C.
 Whitmore, James B., Makenay, and Newcombe.
 Whittaker, Charles C.
 Whittaker, Charles C., and Jones.
 Wickerham, William R.
 Wilhoite, Howard J., Jr.
 Wolowicz, Chester S., and Terpay.
 Woodman, Kenneth L.
 Wrathall, Jay E., and Findley.
 Wright, Ralph H., and Watson.
 Young, William G., and Iglehart.
 Westlake, Frank K., Sheibina, and R. E. Rasmuson, Macon, Mo. Stove. 2,394,828; Feb. 12.

- Westland, William E.: *See*—
Hilstrom, Gunnar H., and Westland.
- Weston, Bonheur M., and F. F. Beall, assignors to Aristo Corporation, Detroit, Mich. Processing-by-product soaps for recovery of their acids free from detrimental alcohols, etc. 2,399,588; Apr. 30.
- Weston Electrical Instrument Corporation, assignee: *See*—
Gilbert, Roswell W.
Lamb, Anthony H.
Lederer, Karl M., and Dempster, Miller, John H.
- Weston, Herbert, New York, N. Y.; vested in the Allen Property Custodian. Accounting and filing system. 2,407,119; Sept. 3.
- Weston, Jeffrey D., assignor to Standard Telephones and Cables Limited, London, England. Visual indicator for radio blind approach systems. 2,410,117; Oct. 29.
- West Virginia Glass Specialty Company, Incorporated, assignee: *See*—
Weber, John C., Jr.
- West Virginia Pulp and Paper Company, assignee: *See*—
Haywood, Gerald, and Welton.
Obenshain, Noel, and Welton.
- Wetherbee, Harry L., assignor to A. Mohr, Jr., and J. P. Grilli, Chicago, Ill. Combined chimney and blow-off valve. 2,406,727; Aug. 27.
- Wetherill, G. D., and British Co., Inc., assignee: *See*—
Haines, Edward C.
- Wetherill, Lynn: *See*—
Terpak, Stephen, and Wetherill.
- Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. Gas-filled cable system. 2,401,595; June 4.
- Wetherill, Lynn, Pittsfield, Mass., assignor to General Electric Company. Cable terminal. 2,401,996; June 11.
- Wethers, Clifford H., Detroit, Mich. Roller for twister machines. 2,407,730; Sept. 17.
- Wethly, Frans, Manhasset, assignor to Wilputte Coke Oven Corporation, New York, N. Y. Regenerative coke oven battery. 2,407,356; Sept. 10.
- Wethly, Frans, Manhasset, N. Y. Underfired regenerative coke oven without sole channels. 2,412,484; Dec. 10.
- Wetherahn, Siegbert, New York, N. Y. Waller 2,397,393; Mar. 26.
- Wey, George J.: *See*—
Lenahan, Bernard E., and Wey.
- Weyandt, Carl S., Homer City, Pa. Apparatus for conveying material. 2,407,357; Sept. 10.
- Weyandt, Carl S., Homer City, and E. J. Missien, Indiana, assignors to Syntrom Company, Homer City, Pa. Intermittent current operated motor. 2,403,084; July 2.
- Weybrew, Theibert L., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,397,226; Mar. 26.
- Weyerhaeuser Timber Company, assignee: *See*—
Edwards, Miles L., MacBain, and Johnson.
- Weyhing, August L., assignor to E. A. Steinbock, Louisville, Ky. Electric furnace. 2,398,874; Apr. 23.
- Weyl, Woldemar, and N. J. Kreidl, State College, Pa., assignors to Monsanto Chemical Company. Opalescent glass and making same. 2,394,502; Feb. 5.
- Weyl, Woldemar A. State College, Pa., assignor to Monsanto Chemical Company. Ceramic body. 2,413,159; Dec. 24.
- Weynand, Paul, San Antonio, Tex. Valve seat grinding tool. 2,394,882; Feb. 12.
- Whale, Clement V., Hove, England. Gauging device for setting tools. 2,398,066; Apr. 9.
- Whalen, Charles E.: *See*—
Hamam, Howard H., and Whalen.
- Whalen, John, Brooklyn, N. Y. Safe screen support. 2,408,714; Oct. 1.
- Whaley, Thomas H., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dispensing system. 2,402,355; June 18.
- Whalley, Harry: *See*—
Dodds, John M., and Whalley.
- Whalley, Harry, Darwin, and G. J. Scoles, East Sheen, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Radio receiver. 2,400,860; May 21.
- Whalley, Harry, Darwin, and C. W. Miller, Sale, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Radio receiver. 2,404,333; July 16.
- Wharam, John J.: *See*—
Roberts, Albert O., and Wharam.
- Wharam, John J., Dearborn, and J. L. Robertson, Detroit, Mich. Dual carburetor throttle control. 2,391,933; Jan. 1.
- Wharam, John J., and C. P. Pharrd, assignors to Ford Motor Company, Dearborn, Mich. Gross shaft mounting. 2,400,933; Sept. 3.
- Wharton, George C., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Machine for finishing the handles of shovels. 2,406,728; Aug. 27.
- Wheat, Alexander R., Stockton, Calif. Auger conveyor. 2,397,305; Mar. 26.
- Wheat, George G., Brooklyn, N. Y. Shipping case or crate and shook therefor. 2,406,448; Aug. 27.
- Wheat, William N., and R. Bullock, assignors to Chance Brothers and Co. Limited, Smethwick, Birmingham, England. Glass annealing kiln. 2,400,056; May 7.
- Whelan, James M.: *See*—
Hannewald, Burton A., Lee, and Wheatley.
- Wheaton Brass Works, assignee: *See*—
Krone, Howard C., and Meyer.
- Wheaton, Elmer P.: *See*—
Wills, John A., and Wheaton.
- Wheaton, Elmer P., Los Angeles, and R. H. Ostergren, Santa Monica, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Strain measuring system. 2,395,609; Jan. 29.
- Wheaton, Jack M.: *See*—
Barnby, Herbert A., and Wheaton.
- Wheelock Instruments Company, assignee: *See*—
Cohen, Theodore A.
Longini, Richard L.
- Wheeler, Harold A.: *See*—
Johnson, John K., and Wheeler.
- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency impedance-matching device. 2,403,282; July 2.
- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time delay network. 2,413,609; Dec. 31.
- Wheeler, Herbert H., Belletose, N. Y., assignor to International Cigar Machinery Company. Bunch locating mechanism for cigar machines. 2,400,449; May 14.
- Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Wrapper preparing mechanism for cigar machines. 2,405,867; Aug. 13.
- Wheeler, Henry L., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation. Flare pistol installation. 2,400,322; May 14.
- Wheeler, Herbert H., Millburn, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Transposition bracket. 2,394,575; Feb. 12.
- Wheeler Insulated Wire Company, Incorporated, The, assignee: *See*—
Graf, William C.
- Wheeler, John A.: *See*—
Leavell, Charles, and Wheeler.
- Wheeler, Lloyd M., Kansas City, Mo. Height measuring scale. 2,410,696; Nov. 5.
- Wheeler, Phillip E., Alexandria, Va. Bearing assembly. 2,404,420; July 23.
- Wheeler Reflector Company, assignee: *See*—
Savin, Kenneth A.
- Wheeler, Reynolds and Stauffer, assignee: *See*—
Tucksch, Harry H.
- Wheeler, William E.: *See*—
Cislak, Francis E., and Wheeler.
- Wheeling Stamping Company, assignee: *See*—
McGinnis, Archibald B.
Farnele, William H.
- Wheeling Steel Corporation, assignee: *See*—
Mack, Wayne E.
Metzner, Robert B.
Wallis, Charles E.
- Wheelon, Orville A.: *See*—
Burton, Edward F., Wheelon, and Adams.
- Whelwright, Bernard, West Smethwick, England. Tilting camera. 2,413,272; Dec. 24.
- Whelan, Alma E., Altadena, Calif. Clotheline. 2,402,220; June 18.
- Wheeler, Arthur G., Syracuse, N. Y. Ash tray. 2,397,394; Mar. 26.
- Wheller, Harry S., Elizabeth, N. J., assignor to L. J. Wing Mig. Co., New York, N. Y. Heating means. 2,400,617; May 21.
- Whetstone, Irene B., Chicago, Ill., assignor to International Business Machines Corporation. Card filing or grouping apparatus. 2,411,645; Nov. 26.
- Whetstone, John, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Low density granular or powder explosives and their manufacture. 2,409,919; Oct. 22.
- Whiley, Cecil: *See*—
Alexander, Paul, and Whiley.
- Whitney, John R., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency system. 2,404,261; July 16.
- Whipple, Ernest G., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Metal working. 2,394,883; Feb. 12.
- Whipple, George L., assignor to Tung-Sol Lamp Works Inc., New York, N. Y. Method and apparatus for severing grid strips into predetermined grid lengths. 2,392,870; Jan. 15.
- Whipple, Richard J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Portable radio receiver. 2,397,306; Mar. 26.
- Whisler, Ralph H., Jr., assignor to Monroe Auto Equipment Company, Monroe, Mich. Shock absorber. 2,395,027; Feb. 19.
- Whisler, Ralph H., Jr., assignor to Monroe Auto Equipment Company, Monroe, Mich. Shock absorber structure. 2,410,539; Nov. 5.
- Whisnant, John K.: *See*—
Jackson, Arthur L., and Whisnant.

- Whisnant, John K., assignor to American Enka Corporation, Enka, N. C. Method and apparatus for twisting thread. 2,407,358; Sept. 10.
- Whistler, Lawrence and S. A., Kenmore, N. Y. Drawing, forming, shaping, or embossing sheet metal and the like. 2,399,775; May 7.
- Whistler, Sanford A.: *See—*
- Whistler, Lawrence V. and S. A.
- Whitaker, Carl F.: *See—*
- Ashworth, Fred, and Whitaker.
- Whitaker, James N., West Englewood, N. J., assignor to Radio Corporation of America. Electrical circuit. 2,404,307; July 16.
- Whitcomb, Arthur J., assignor to Freyn Engineering Company, Chicago, Ill. Blast furnace construction. 2,411,487; Nov. 19.
- Whitcomb, Arthur J., and G. Fox, assignors to Freyn Engineering Company, Chicago, Ill. Liquid measuring and delivering means. 2,411,309; Nov. 19.
- Whitcombe, Christopher J., Smethwick, England, assignor to Guest, Keen & Nettelfolds, Limited. Screw and nut fastening. 2,413,669; Dec. 31.
- White, Adam W.: *See—*
- Wilson, Cecil B., and White.
- White, Albert W., New York, N. Y. Illuminating ankle bracelet and the like. 2,405,384; Aug. 6.
- White, Alfred B.: *See—*
- Pakala, William E., and White.
- White, Alfred B., Murraysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding system. 2,399,415; Apr. 30.
- White, Avis K., and D. F., Center Ossipee, N. H. Handy two-part fire screen. 2,406,729; Aug. 27.
- White Cap Company, assignee: *See—*
- White, William P.
- White Castle System, Inc., assignee: *See—*
- Tansley, Leslie R.
- White, Charles, Alameda, Calif. Pallet. 2,395,982; May 5.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 2,392,018; Jan. 1.
- White, Claron N., and M. L. Schwartz, Chicago, Ill., and G. P. Roult, Wilmington, Ind., assignors to Standard Oil Company, Chicago, Ill. Aqueous rust preventive composition. 2,402,793; June 25.
- White, Clayton F. A.: *See—*
- Jennings, Andrew B., Murray, and White.
- White, Clayton F. A., Oldbridge, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic element. 2,397,452; Mar. 26.
- White, Clifford B., assignor to American-La France-Comite Corporation, Elmira, N. Y. Foam generation. 2,406,538; Aug. 6.
- White, Deslie F.: *See—*
- White, Aris K. and D. F.
- White, Ellis R.: *See—*
- Zuhlin, Ernest W., White, and Barnum.
- White, Eric L. C.: *See—*
- Blumlein, Alan D., and White.
- White, Erven, Granville, and C. A. Smucker, Newark, Ohio, assignors to Owens-Corning Fiberglass Corporation, Toledo, Ohio. Treatment of fibrous material. 2,397,453; Mar. 26.
- White, Fred L., Marion, Ohio. Traction and load supporting wheel. 2,395,383; Feb. 19.
- White, Fred L., and L. O. McLean, assignors to The Osgood Company, Marion, Ohio. Pressure fluid clutch. 2,395,239; Feb. 19.
- White, George M., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,406,276; Aug. 20.
- White, Clifford E.: *See—*
- Maybarduk, Leon A., Miesher, Zand, and White.
- White, Guy H., West Asheville, assignor to American Enka Corporation, Enka, N. C. Inhibitions of incrustations. 2,394,957; Feb. 12.
- White, Harold K.: *See—*
- Moecker, Henry, Jr., Frick, Meacham, and White.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,400,217; May 14.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,401,394; June 4.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,411,488; Nov. 19.
- White, Harry J.: *See—*
- Hamilton, James H., and White.
- White, Harry J., Cambridge, Mass., assignor of one-half to Research Corporation, New York, N. Y., and one-half to Western Precipitation Corporation, Los Angeles, Calif. Electrical precipitator. 2,395,927; Mar. 5.
- White, Herbert E., Cleveland Heights, Ohio, and William H. Borst, Hollis, N. Y. Making laminated cores for transformers. 2,393,439; Jan. 22.
- White, Jesse O., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of vinyl acetate. 2,401,445; June 4.
- White, John E.: *See—*
- Faris, Harold P., and White.
- White, Julius, Jamaica, N. Y. Processes of making shoes. 2,403,253; July 2.
- White, Leland M., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Manufacture of synthetic rubber latices. 2,393,133; Jan. 15.
- White, Major S., United States Army. Method and apparatus for conducting electrocardiographic examinations. 2,400,583; May 21.
- White, Melbourne F., assignor to Induction Heating Corp., New York, N. Y. Cooling system. 2,396,033; Mar. 5.
- White Motor Company, The, assignee: *See—*
- Harris, Bert C.
- White, Norman G.: *See—*
- Swan, Kenneth C., and White.
- White, Raeburn, assignor to Submarine Signal Company, Boston, Mass. Instrument dials. 2,397,175; Mar. 28.
- White, Reginald A.: *See—*
- Doyle, Irving W., and White.
- White River Lumber Company, assignee: *See—*
- De San, Augustus E.
- White, S. S., Dental Manufacturing Company, The, assignee: *See—*
- Crowell, Walter S.
- Crowell, Walter S., and Birch.
- Strayer, Edward R.
- White, Samuel H., assignee: *See—*
- Seely, Louis E.
- White, Samuel H., Lakewood, Ohio. Burner tip. 2,391,934; Jan. 1.
- White, Samuel H., Detroit, Mich. Gaseous mixture. 2,411,769; Nov. 26.
- White Sewing Machine Corporation, assignee: *See—*
- Colegrove, Charles E.
- Hamlett, Sidney J., Jr.
- White, Sidney Y., Wilmette, assignor to V. S. Johnson, deceased, Chicago, Ill.; A. Thomson, administrator. Device for adjusting or tuning to close limits. 2,399,700; May 7.
- White, Sidney Y., Wilmette, assignor to V. S. Johnson, deceased, Chicago, Ill.; A. Thomson, administrator. Device for tuning or adjusting to close limits. 2,399,701; May 7.
- White, Sidney Y., Wilmette, assignor to V. S. Johnson, deceased, Chicago, Ill.; A. Thomson, administrator. Spacing device for adjusting to close limits. 2,399,702; May 7.
- White, Sidney Y., Wilmette, assignor to V. S. Johnson, deceased, Chicago, Ill.; A. Thomson, administrator. Gauge. 2,399,703; May 7.
- White, Sidney Y., Wilmette, assignor to V. S. Johnson, deceased, Chicago, Ill.; A. Thomson, administrator. Radio making means. 2,399,704; May 7.
- White, Sidney Y., Wilmette, assignor to V. S. Johnson, deceased, Chicago, Ill.; A. Thomson, administrator. Radio apparatus. 2,407,359; Sept. 10.
- White, Sidney Y., Wilmette, assignor to V. S. Johnson, deceased, Chicago, Ill.; A. Thomson, administrator. Temperature compensating tuned circuits. 2,407,360; Sept. 10.
- White, Theodore G.: *See—*
- Welsh, Theodor G.
- White, Thomas L., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Tunnel liner segment. 2,404,819; July 30.
- White, Vincent M.: *See—*
- Arnold, Edwin E., and White.
- White, Walter T., Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Prediction apparatus. 2,404,011; July 16.
- White, Wayne E.: *See—*
- Miller, Mike A., and White.
- White, Wayne E., Plum Township, Allegheny County, assignor to Aluminum Company of America, Pittsburgh, Pa. Making means for fluoroboric acid and its compounds. 2,403,148; July 2.
- White, Wendell H., Martinez, Calif. Curling open-end drums. 2,413,594; Dec. 31.
- White, Wilfred G., U. S. Navy. Automatic self-compensating magnetic compass system. 2,393,670; Jan. 28.
- White, William E.: *See—*
- Torrell, Leland C., and White.
- White, William K., Jr.: *See—*
- Hutchins, James F., and White.
- White, William P., Glencoe, assignor to White Cap Company, Chicago, Ill. Package and closure. 2,412,794; Dec. 17.
- Whited, Clarence A., Jenkins, Ky. Roller skate attachment. 2,405,000; July 30.
- Whitfield, Kyle C., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,407,858; Sept. 17.
- Whitehead Bros. Rubber Co., The, assignee: *See—*
- Stivason, William L.
- Whitehead, George W., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Resin molding composition. 2,407,943; Sept. 17.
- Whitehead, Richard H.: *See—*
- Van Atta, Chester M., and Whitehead.
- Whitehead, Richard H., New Haven, Conn. Vibrator. 2,406,730; Aug. 27.

- Whitehead, William A., Preston, England, assignor to The Goss Printing Press Company, Chicago, Ill. Counting mechanism. 2,406,118; Aug. 20.
- Whitehill, Lynwood N., and R. S. Barker, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Alloy-type phosphates and their preparation. 2,394,829; Feb. 12.
- Whitehouse, Irving, South Euclid, C. Schofield, Lakewood, and E. H. Cummings, Cleveland Heights, assignors to Republic Steel Corporation, Cleveland, Ohio. Animal pen. 2,392,792; Jan. 8.
- Whitehouse, Irving, South Euclid, and V. S. Chambers, Cleveland, Ohio, assignors to Republic Steel Corporation. Bright polishing stainless steel tubes. 2,412,186; Dec. 3.
- Whitehurst, George A., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Blast furnace. 2,396,976; Mar. 19.
- Whiteley, Edward O., New York, N. Y. Supersonic treatment of fluid masses. 2,407,462; Sept. 10.
- Whiteley, Fred H., Kansas City, Kans. Lettering instrument. 2,407,594; Sept. 10.
- Whiteley, Joseph W., assignor to A. C. Cossor Limited, London, England. Saw-tooth voltage generator. 2,412,485; Dec. 10.
- Whitelock, Leland D., Bethesda, Md., assignor to The Union Switch and Signal Company, Swissvale, Pa. Receiving apparatus for communication systems. 2,399,968; May 7.
- Whitener, William A., Hickory, N. C. Heater. 2,399,589; Apr. 30.
- Whitesell, John C., Jr., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Fragmentation bomb. 2,393,274; Jan. 22.
- Whitesell, John C., Jr., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Making fragmentation bombs. 2,393,275; Jan. 22.
- Whitesell, John C., Jr., Merion, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Time fuse. 2,398,266; Apr. 9.
- Whiteside, Jack R., Cambridge, Mass., and M. A. Townsend, Cleveland Heights, Ohio, assignors to General Electric Company. Starting control for electric discharge devices. 2,398,682; Apr. 16.
- Whitfield, Joseph E., Hamilton, Ohio. Servomotor and control. 2,404,262; July 16.
- Whitfield, Marshall G., and V. Sheshunoff, Garden City, assignors to Al-Fin Corporation, Farmingdale, N. Y. Coating metal. 2,396,730; Mar. 19.
- Whitfin Machine Works, assignee: *See*—Schlums, Otto W. Wood, Earl S.
- Whiting Corporation, assignee: *See*—Bock, George E. Crockett, Frank L. Fisher, Ernest F. Kuehlthau, Hugo L., Vokac, and Del Monte.
- Whiting, Robert R., Delray Beach, Fla. Strainer. 2,397,176; Mar. 26.
- Whitlock, Fred W., assignor to Automatic Pump & Sotener Corporation, Rockford, Ill. Water treatment device. 2,405,479; Aug. 6.
- Whitlow, Eugene P., *See*—Butt, Charles A., Hallman, Bowden, Whitlow, and Pace.
- Whitman, Gerald M., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of fluorohydrocarbons. 2,401,950; June 11.
- Whitman, Grover C., Berkeley, Calif. Cooling means for air hammer dies. 2,402,794; June 25.
- Whitman, Lucilla de V., New York, N. Y. Necktie construction. 2,413,398; Dec. 31.
- Whitman Publishing Company, assignee: *See*—Matthe, William H., Jr., and Lewis.
- Whitman, Ross C., Walpole, assignor to The Kendall Company, Boston, Mass. Cheese bandage. 2,396,905; Mar. 19.
- Whitman, Ross C., Walpole, assignor to The Kendall Company, Boston, Mass. Unidirectional-twist woven fabric and method. 2,400,182; May 14.
- Whitman, Ross C., Walpole, assignor to The Kendall Company, Boston, Mass. Opposite-twist woven fabric and method. 2,400,276; May 14.
- Whitman, Ross C., Walpole, assignor to The Kendall Company, Boston, Mass. Resin-impregnated woven textile fabric and producing the same. 2,400,379; May 14.
- Whitman, Ross C., Walpole, assignor to The Kendall Company, Boston, Mass. Cover for seed and plant beds. 2,401,997; June 11.
- Whitman, Ross C., Walpole, assignor to The Kendall Company, Boston, Mass. Directionally stiff woven fabric and method. 2,409,089; Oct. 8.
- Whitmore, Glenn M., Oakland, Calif. Welding device. 2,412,022; Dec. 3.
- Whitmore, James R., Bloomfield, W. Makenny, Mountain View, and F. A. Newcombe, Berkeley, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic molding of plastics. 2,409,725; Oct. 22.
- Whitney, F. A., Carriage Company, assignee: *See*—LaChance, Edouard. Shaw, Harold F.
- Whitney, Gary M.: *See*—Van Ess, Paul R., Watson, and Whitney.
- Whitney, Joseph W., Conway, Pa. Carrying means for radio chassis and the like. 2,399,527; Apr. 30.
- Whitney, Lyman F., Cambridge, assignor to Isthmian Metals, Inc., Boston, Mass. Making products of iron or iron alloys. 2,411,073; Nov. 12.
- Whitney, Maurice P., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Mechanical time fuse. 2,397,066; Mar. 19.
- Whitney, Maurice P., J. E. Buxton, and D. L. Miller, Chemung County, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter drive. 2,407,044; Sept. 3.
- Whitney Metal Tool Company, assignee: *See*—Jensen, John.
- Whitney, Ralph T., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder venting apparatus. 2,398,902; Apr. 23.
- Whiton, Louis C.: *See*—Watson, John E., Whifton, and McBride.
- Whiton, Louis C., and J. E. Watson, Westport, Conn., and C. B. McBride, Port Chester, N. Y. Dust separator. 2,405,625; Aug. 13.
- Whitsett, Cameron A., Chicago, Ill. Antiaircraft shell. 2,402,716; June 25.
- Whitson, John W., New York, N. Y. Performing device for index cards. 2,403,035; July 2.
- Whittaker, Alexander R.: *See*—Cornell, Mead, and Whittaker.
- Whittaker, Alexander R., New York, N. Y., assignor to Pittsburgh Foundry & Machine Company, Pittsburgh, Pa. Oscillating disk meter. 2,406,877; Sept. 3.
- Whittaker, Alexander R., New York, N. Y., assignor to Rockwell Manufacturing Company. Fluid meter. 2,410,852; Nov. 12.
- Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shock absorbing device. 2,405,001; July 30.
- Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switching apparatus. 2,406,449; Aug. 27.
- Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switching means. 2,408,837; Oct. 8.
- Whittaker, Charles C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for exhausting ballast from torpedoes. 2,409,169; Oct. 8.
- Whittaker, Charles C., and R. C. Jones, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for torpedoes. 2,405,002; July 30.
- Whittaker, Lloyd A., and H. F. Peterson, assignors to Thomson-National Press Co., Inc., Franklin, Mass. Cutting and creasing press. 2,405,868; Aug. 13.
- Whittall, M. J., Associates Inc., assignee: *See*—Giblin, George V.
- Whitted, John B., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric windshield wiper. 2,412,850; Dec. 17.
- Whittemore, Jack: *See*—Nelson, Eyan H., and Whittemore.
- Whittier, Benjamin L., Ruxton, and W. E. Johnson, assignors to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Spinning of cotton yarn. 2,412,641; Dec. 17.
- Whittington, Arthur V., assignee: *See*—Schmidt, John C.
- Whittle, Frank, Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Aircraft propulsion system and power unit. 2,404,334; July 16.
- Whittle, Frank, Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Liquid fuel burner, vaporizer, and combustion engine. 2,404,335; July 16.
- Whittle, Frank, Rugby, England, assignor to Power Jets (Research & Development) Limited, London, England. Centrifugal compressor. 2,404,609; July 23.
- Whittle, Frank, Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Fluid flow energy transformer. 2,405,919; Aug. 13.
- Whitty, Frank M.: *See*—Whitty, Victor E., and F. M.
- Whitty, Victor E., Oakland, and F. M. Whitty, Los Angeles, Calif. Control for internal-combustion engines. 2,403,774; July 9.
- Whitworth, Edward, Saltcotes, T. Thomson, Kilmarnock, and R. Frank, Irvine, Scotland, assignors to Imperial Chemical Industries Limited. Cartridge for actuating gas pressure operated mechanical devices. 2,398,683; Apr. 16.
- Wyzymuzis, Paul, Corona, Long Island, N. Y., and H. Linkletter, Englewood, N. J., assignors to Interchemical Corporation, New York, N. Y. Printing ink. 2,406,878; Sept. 3.
- Wiard, George W., Keswick, Va., assignor to Virginia Electric Manufacturing Corporation, Charlottesville, Va. Molded plastic fuse construction. 2,395,206; Feb. 19.
- Wiard, George W., Keswick, assignor to Virginia Electric Manufacturing Corporation, Charlottesville, Va. Fuse construction. 2,398,169; Apr. 9.

Wicaco Machine Corporation, assignee: *See—*

Laird, Joseph P.

Wicher, August R., Chicago, Ill. Automatic scale model coupler. 2,409,920; Oct. 22.

Wick, Edwin C., Upper Darby, Pa. Fastening for business machines. 2,395,156; Feb. 19.

Wick, Richard M., Allentown, Pa., assignor to Bethlehem Steel Company. Electrodeposition of zinc. 2,392,075; Jan. 1.

Wick, Richard M., Allentown, Pa. Chromium plating. 2,392,871; Jan. 15.

Wick, Richard M., Allentown, Pa. Apparatus for electroplating ball bearings. 2,397,177; Mar. 26.

Wickens, Claude E., Brookline, assignor to The Standard River Company, South Boston, Mass. Stapling machine. 2,396,356; Mar. 12.

Wicker, Dan B.: *See—*

Spalding, John E., and Wicker.

Wickerham, William R., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,408,461; Oct. 1.

Wickersham, Charles L., Pittsburgh, Pa., and J. A. Hyle, Detroit, Mich. Railway cross tie anticheck. 2,396,402; Mar. 12.

Wickmann, A. C., Limited, assignee: *See—*

Banning, Alfred J.

Bevon, Alfred W.

Wicks, Gerardo C., Buenos Aires, Argentina. Electric heater. 2,401,818; May 20.

Wicks, Gerardo C., Ramos Mejia, Argentina. Electric heater. 2,404,336; July 16.

Wickwire, Arthur M., Jr., Great Barrington, Mass., assignor to Interchemical Corporation, New York, N. Y. Apparatus for smoothing hot melt coatings. 2,407,335; Sept. 10.

Wickwire, Hedge, et al.: *See—*

Wickwire, Theodore H., Jr., S. H. R. A., and H.

Wickwire, Roma A., assignee, et al.: *See—*

Wickwire, Theodore H., Jr., S. H. R. A., and H.

Wickwire, Sophie H., et al.: *See—*

Wickwire, Theodore H., Jr., S. H. R. A., and H.

Wickwire Spencer Steel Company, assignee: *See—*

Ambruson, Henry.

Wickwire, Theodore H., Jr., Ardmore, assignor to T. H., Jr., S. H. R. A., and H. Wickwire, doing business as a co-partnership under the name of Theowick Company, Philadelphia, Pa. Apparatus for fabricating welded wire fabric. 2,410,766; Nov. 5.

Wico Electric Company, assignee: *See—*

Phelon, Russell E.

Widell, Emil G., Bloomfield, N. J., assignor to Radio Corporation of America. Electrode alloys. 2,396,977; Mar. 19.

Widell, Nils E.: *See—*

Kögel, Wilhelm G., and Widell.

Widgery, William M.: *See—*

Petter, William E. W., Widgery, and Richards.

Widman, Charles H., Detroit, and O. Mueller, Dearborn, Mich. Making enterpillar links. 2,403,159; July 2.

Widmark, William, Duluth, Minn., and J. H. Brownlee, Superior, Wis. Protractor welding jig. 2,396,452; Mar. 12.

Widmer, Gustav, Basel, Switzerland, assignor, by mesne assignments, to Ciba Products Corporation, Hoboken, N. J. Amino triazine-formaldehyde condensation products and process of making same. 2,398,569; Apr. 16.

Widmer, Jules A., Oak Ridge, Tenn., and B. H. Carroll, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic filter and antihalation layers. 2,405,106; July 30.

Wiebke, August: *See—*

Marvin, Ralph J., and Wiebke.

Wiechman, Henry C.: *See—*

Hulewit, William H., Jr., and Wiechman.

Wiedeman, Oscar F.: *See—*

Carpenter, Erwin L., Davis, and Wiedeman.

Wiedman, Edward L., Tonawanda, N. Y. Punch and die mechanism. 2,394,349; Feb. 5.

Wiedmann, Ernst, Summit, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,397,395; Mar. 26.

Wiegand, David E., Zanesville, Ohio, assignor to Line Material Company, South Milwaukee, Wis. Making an electromagnetic device. 2,404,016; July 16.

Wiegand, Edwin L., Company, assignee: *See—*

McOrly, Joseph.

Wiegand, Edwin L.

Wiegand, Edwin L., assignor to Orefraction Incorporated, Pittsburgh, Pa. Processing of materials. 2,392,019; Jan. 1.

Wiegand, Edwin L., assignor to Orefraction Incorporated, Pittsburgh, Pa. Delinequifying means. 2,392,020; Jan. 1.

Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heater. 2,392,076; Jan. 1.

Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heater. 2,400,672; May 21.

Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric hot-plate unit. 2,413,477; Dec. 31.

Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heater. 2,413,478; Dec. 31.

Wiegand, Edwin L., assignor to Orefraction Incorporated, Pittsburgh, Pa. Conveying of materials. 2,413,479; Dec. 31.

Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heater. 2,413,536; Dec. 31.

Wiegand, Edwin L., Company, assignee: *See—*

McOrly, Joseph.

Wiegand, Edwin L.

Wiegand, Francis J., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Flowmeter. 2,406,181; Aug. 20.

Wieland, Theodor: *See—*

Kuhn, Richard, and Wieland.

Wiener, Bernard A.: *See—*

Freeman, Hugh B., and Wiener.

Wiener, Bernard A., Washington, D. C. Cable cutter. 2,396,731; Mar. 19.

Wiener, Bernard A., Washington, D. C. Explosive device. 2,396,732; Mar. 19.

Wiener, Francis M., and R. L. Wallace, Jr., Cambridge, Mass., assignor to United States of America as represented by the Secretary of the Navy. Direct reading sound pressure meter. 2,395,309; Feb. 19.

Wiener, Warren A.: *See—*

Thies, Albert B., and Wiener.

Wienke, Emil J., Glen Ellyn, assignor to Motograph, Chicago, Ill. Mounting for sprockets in motion-picture apparatus. 2,396,545; Mar. 12.

Wiese, Caroline and H. E., Cleveland, Ohio. Infants' garment. 2,410,374; Oct. 29.

Wiese, Harold E.: *See—*

Wiese, Caroline and H. E.

Wiseman, Robert W., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine and making the same. 2,412,851; Dec. 17.

Wiesler, Fred: *See—*

Sibley, Clement N., and Wiesler.

Wiesmann, Joseph W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Grommet crimping tool. 2,399,776; May 7.

Wiest, Emil G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diazoamine compounds and printing pastes. 2,396,357; Mar. 12.

Wiest, Georg, Ludwigshafen-on-the-Rhine, and H. Glaser, Bonn, Germany; vested in the Alien Property Custodian. Fimelic acid derivatives disubstituted in the γ position and preparing same. 2,396,636; Mar. 12.

Wiest, Georg, Ludwigshafen-on-the-Rhine, and H. Glaser, Bonn, Germany; vested in the Alien Property Custodian. Ketones substituted by modified propionic acid radicals and producing same. 2,403,570; July 9.

Wiget, Georg, assignor to Société Anonyme Adolphe Saurer, Arbon, Switzerland. Mounting device arranged in loom shuttle for the winding supports, particularly flat winding supports. 2,393,876; Jan. 29.

Wiggam, David R.: *See—*

Traylor, Waldorf S., and Wiggam.

Wiggins, Earl B., deceased, by I. L. Wiggins, executrix, Los Calif. Coupling. 2,409,650; Oct. 22.

Wiggins, Irene L., executrix: *See—*

Wiggins, Earl B.

Wiggins, John H., Chicago, Ill. Liquid sealed vent valves. 2,400,450; May 14.

Wiggins, John H., Chicago, Ill. Combined gauge hole cover and vapor line connector. 2,406,521; Aug. 27.

Wiggins, John H., Chicago, Ill. Liquid storage apparatus. 2,408,538; Oct. 1.

Wiggins, John H., Chicago, Ill. Fluid storage apparatus. 2,408,539; Oct. 1.

Wiggins, Leonard A., Cuyahoga Falls, Ohio. Oxygen demand regulator. 2,409,327; Oct. 15.

Wiggs, James V.: *See—*

Hensel, Franz R., Emmert, and Wiggs.

Wight, Sedgwick N., et al., S. Field, and O. H. Dicke, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,399,777; May 7.

Wight, Sedgwick N., and O. S. Field, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,410,340; Nov. 5.

Wightman, Lawrence W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine ventilating system. 2,394,414; Feb. 5.

Wigton, Paul L., Denver, Colo. Apparatus for fluid suspension classification. 2,413,015; Dec. 24.

Wikander, Oscar R.: *See—*

Beil, David S., and Wikander.

Wike, Allen T., Kell, Ill. Military tank. 2,399,778; May 7.

Wiken, Christy A., and H. V. Boehnke, assignors, by mesne assignments, to The Delta Manufacturing Company, Milwaukee, Wis. Drilling machine. 2,398,733; Mar. 19.

Wiken, Christy A., and E. A. Reibig, assignors, by mesne assignments, to The Delta Manufacturing Company, Milwaukee, Wis. Machine-tool spindle mounting and lubrication system. 2,397,178; Mar. 26.

- Wiken, Christy A., and H. V. Boehnke, Milwaukee, Wis., assignors, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa. Cutting machine. 2,413,016; Dec. 24.
- Wikle, Hugh H., Cleveland Heights, assignor to Superior Carbon Products, Inc., Cleveland, Ohio. Brush and art of commutation. 2,409,818; Oct. 22.
- Wikstrom, Arne, Glen Echo Heights, Md. Submarine detector. 2,397,995; Apr. 9.
- Wilber, Carl L.: *See*—
Goldie, Rowland J., and Wilber.
- Wilbert, Harry E., Harrisburg, Pa. Vehicle signal switch. 2,411,702; Nov. 26.
- Wilbur, Paul C.: *See*—
Richmond, Burnell E., and Wilbur.
- Wilch, Charles C.: *See*—
Holberg, Arnold J., Ware, and Wilch.
- Wickens, Elbe A., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Method and apparatus for handling and treating strip material. 2,402,860; June 25.
- Wickens, Elbe A., and E. M. Magill, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Sheet feeding and gauging mechanisms. 2,396,481; Mar. 12.
- Wickens, Elbe A., and E. M. Magill, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Conveyor loading mechanism. 2,408,838; Oct. 8.
- Wiculator Company, The, assignee: *See*—
Burch, Lyndon W.
Parkhurst, Malcolm K.
Waddell, Benson F.
Wilson, Harry
- Wilcox, Everett, Hyattsville, Md. Power plant. 2,400,899; May 28.
- Wilcox-Gay Corporation, assignee: *See*—
Gay, Paul S.
- Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Article formed of laminated sheet material. 2,396,358; Mar. 12.
- Wilcox, Kenneth: *See*—
Braithwaite, Robert C., and Wilcox.
- Wilcox, Philip E., New York, N. Y., assignor to The Leavitt Machine Company, Orange, Mass. Apparatus for refacing gate valves. 2,408,280; Sept. 24.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Making nut blanks. 2,393,850; Jan. 29.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Guide for knockout pins in headers or the like. 2,401,805; June 11.
- Wilcoxon, Kenneth H., Cabin John, Md. Cable fairing and device for applying and removing the same. 2,401,783; June 11.
- Wilcoxon, Kenneth H., Cabin John, Md. Sweep wire passing device. 2,409,233; Oct. 15.
- Wilcoxon, Kenneth H., Cabin John, and L. Landweber, Bethesda, Md. Water kite. 2,403,036; July 2.
- Wild, Alfred, Milwaukee, Wis. Thermostatic switch. 2,405,899; Aug. 13.
- Wild-Barfield Electric Furnaces Limited, assignee: *See*—
Greene, George H. S.
- Wild, Edward, and H. C. Bitter, West Hartford, assignors to The Parker Stamp Works, Inc., Hartford, Conn. Roll type die holder. 2,409,409; Oct. 15.
- Wild, Rudolf F., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,404,344; July 16.
- Wilde, Arthur, assignee, et al.: *See*—
Hull-Ryde, Arthur
- Wilde, Cecil B.: *See*—
Ross, Earl T., and Wilde.
- Wilde, Henry D., Houston, Tex., assignor to Standard Oil Development Company. Polymerization process. 2,405,480; Aug. 6.
- Wilder, Frank N., Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of Chloroprene. 2,394,347; Feb. 5.
- Wilder, Frank N., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersions of neoprene in aqueous media. 2,405,724; Aug. 13.
- Wilder, Lot S.: *See*—
Jolley, Edwin B., and Wilder.
Vittum, Paul W., and Wilder.
- Wilder, Marshall P., Berlin, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Manufacture of vacuum apparatus. 2,398,340; Apr. 9.
- Wilder, Raymond S., Waltham, Mass. Illuminating unit for optical projectors. 2,409,328; Oct. 15.
- Wilderthum, James A., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Heat exchange apparatus. 2,392,021; Jan. 1.
- Wildhaber, Ernest: *See*—
Johanson, Magnus H., and Wildhaber.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Cutter for producing gears. 2,392,278; Jan. 1.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Gearing. 2,392,441; Jan. 8.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Producing face clutches. 2,394,222; Feb. 5.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Face clutch. 2,398,570; Apr. 16.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Grinding clutches, gears, and other toothed parts. 2,401,446; June 4.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Face clutch. 2,405,171; Aug. 6.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and tool for producing face clutches. 2,410,913; Nov. 12.
- Wildt and Company Limited, assignee: *See*—
Holmes, Henry H.,
Holmes, Henry H., and Saunders.
Wildt, Edwin, Holmes, and Hurd.
- Wildt, Edwin, H. H. Holmes, and J. C. H. Hurd, assignors to Wildt and Company Limited, Leicester, England, a British Company. Knitting machine. 2,396,767; Mar. 19.
- Wildt, Edwin, H. H. Holmes, and J. C. H. Hurd, assignors to Wildt and Company Limited, Leicester, England. Knitted fabric. 2,403,201; July 2.
- Wiles, Robert C.: *See*—
Mann, Reginald W., and Wiles.
- Wiley, Fred E., assignor to Plax Corporation, Hartford, Conn. Prevention of crazing of flash heated shapes of polystyrene. 2,402,226; June 18.
- Wiley, Fred E., Hartford, E. W. Canfield, West Hartford, R. S. Jesionowski, Hartford, and J. Bailey, West Hartford, assignors to Plax Corporation, Hartford, Conn. Process and apparatus for producing continuous sheet of biaxially oriented organic polymer. 2,412,187; Dec. 3.
- Wiley, Harold: *See*—
Washburn, Harold W., and Wiley.
- Wiley, John W.: *See*—
Paschke, Herbert, and Wiley.
- Wiley, Lee M., Marion, Ind., assignor of one-third to J. T. Lett, and one-third to R. B. Wiley. Laminated sheet pulp container and forming same. 2,395,703; Feb. 26.
- Wiley, Ralph M., Midland, assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride polymer extrusion. 2,409,521; Oct. 15.
- Wiley, Reoley B., assignor: *See*—
Wiley, Lee M.
- Wiley, Richard H.: *See*—
Hill, Julian W., Lindsey, and Wiley.
- Wilfert, Karl, Sindelfingen, and B. Barényi, Boblingen, Germany; vested in the Alien Property Custodian. Vehicle suspension. 2,401,209; May 28.
- Wilhelm, Albert R., Louisville, Ky. Safety device for boat. 2,404,153; July 16.
- Wilhlde, Glenn C., Baltimore County, Md., assignor to The Black and Decker Manufacturing Company. Electric screw driver and nut runner. 2,394,348; Feb. 5.
- Wilhlde, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Bit control for percussive tools. 2,413,273; Dec. 24.
- Wilhoite, Howard J., Jr., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Scrape-abrasion testing machine. 2,397,227; Mar. 26.
- Wilke, Milton E., assignor to Burgess Battery Company, Freeport, Ill. Dry cell. 2,403,571; July 9.
- Wilken, John, East St. Louis, Ill. Portable scrubbing bucket. 2,392,208; Jan. 1.
- Wilkening Manufacturing Company, assignee: *See*—
Loeb, William S.
- Wilkinson, Edward D., Orange, N. J. Vehicle wheel alignment testing apparatus and testing vehicle wheel alignment. 2,401,715; June 4.
- Wilkinson, Jefferson R.: *See*—
Rea, Wilton T., and Wilkinson.
- Wilkinson, Jefferson R., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic telegraph transmitter distributor. 2,412,642; Dec. 17.
- Wilkinson, Victor O., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,408,715; Oct. 1.
- Wilkes, Benjamin G., Wilkinsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation. Insect repellent. 2,407,205; Sept. 3.
- Wilkes, Frederic, Wilkinsburg, Pa. Grease dispenser. 2,405,481; Aug. 6.
- Wilkie, Charles B.: *See*—
Conner, William S., and Wilkie.
- Wilkie, James W., and E. G. Franklin, assignors to Continental Machines, Inc., Minneapolis, Minn. Tracer control. 2,395,525; Feb. 26.
- Wilkie, James W., and E. G. Franklin, assignors to Continental Machines, Inc., Minneapolis, Minn. Duplicating machine and electrical control therefor. 2,413,274; Dec. 24.
- Wilkin, James G., New Hurley, N. Y. Window sash. 2,408,281; Sept. 24.
- Wilkins, Ralph R., Cortland, N. Y. Lens cleaning dispenser cabinet. 2,411,310; Nov. 19.
- Wilkins, Richard A., and E. S. Bunn, Rome, assignors to Reverse App and Brass, Incorporated, New York, N. Y. Recovering the constituents of scrap bi-metal. 2,403,419; July 2.
- Wilkins, Roger D., Oak Park, Ill., assignor to Western felt Works, Chicago, Ill. Vibration-absorbing pad. 2,395,949; Mar. 8.

- Wilkinson, Charles W., assignor to J. G. Helms, Plant City, Fla. Distributor shaft and camshaft adaptation. 2,404,017; July 16.
- Wilkinson, Clarence E.: *See—*
- Wilkinson, Ralph W. and C. E.
- Wilkinson, Ralph W. and C. E., Kansas City, Mo. Portable sprayer. 2,394,415; Feb. 5.
- Wilkinson, Samuel, Rowley Park, and A. Green, Coventry, England. Dimension testing gauge. 2,410,697; Nov. 5.
- Will, E. C., assignee, et al.: *See—*
- Lewis, James O.
- Willamette Hyster Company, assignee: *See—*
- Dimick, Henry N.
- Shoemaker, Robert C.
- Willard, Alfred R., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Casting machine. 2,393,213; Jan. 15.
- Willard, Gerald W.: *See—*
- Shockley, William, and Willard.
- Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultrasonic cell. 2,392,350; Jan. 8.
- Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Refractoscope. 2,401,381; June 4.
- Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Quartz crystal testing device and method. 2,401,382; June 4.
- Willard Storage Battery Company, assignee: *See—*
- Donkin, William F.
- Willard, Alfred R.
- Willard, Waldo W., Schenectady, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Apparatus and method for testing self-synchronous transmission systems. 2,402,108; June 11.
- Willard, Waldo W., Schenectady, N. Y., assignor to General Electric Company. Sighting mechanism. 2,408,356; Sept. 24.
- Willby, Norman H.: *See—*
- Atwell, Clarence A., and Willby.
- Willcox, Frederick P., U. S. Army, Arlington County, Va. Adjusting camera bed plates. 2,397,573; Apr. 2.
- Willcox, Frederick P., U. S. Army, South Arlington, Va. Lens coupled range finder for cameras. 2,413,017; Dec. 24.
- Willcox & Gibbs Sewing Machine Company, assignee: *See—*
- Tamburro, Francis P.
- Willenbrock, Walter J., Weehawken, N. J., assignor to Inert Gas Equipment, Inc., New York, N. Y. Inert gas producing apparatus. 2,392,711; Jan. 8.
- Willey, Grant S.: *See—*
- Frost, Orcutt W., and Willey.
- Willgoos, Andrew V. D.: *See—*
- Hobbs, Leonard S., and Willgoos.
- Willgoos, Andrew V. D., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Cylinder head. 2,401,210; May 28.
- Willgoos, Andrew V. D., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Cylinder head. 2,401,211; May 28.
- Wm. Bros. Boiler & Manufacturing Co., assignee: *See—*
- Ashenden, Ernest W.
- Carroll, Charles V.
- Williams, Alfred L. W., Cleveland Heights, and A. P. Dank, assignors to The Brush Development Company, Cleveland, Ohio. Microphone. 2,406,119; Aug. 20.
- Williams, Alfred O.: *See—*
- Burrows, Robert J., and Williams.
- Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Resilient wheel. 2,392,562; Jan. 8.
- Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Shaft brake. 2,395,207; Feb. 19.
- Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Brake construction. 2,400,673; May 21.
- Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Axle generator drive. 2,404,115; July 16.
- Williams, Benjamin M., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,395,363; Feb. 19.
- Williams, Benjamin M., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,395,364; Feb. 19.
- Williams, Benjamin M., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,407,463; Sept. 10.
- Williams, Bernard, Mountain Home, Ark. Mucking and loading machine. 2,399,416; Apr. 30.
- Williams, C. K., & Co., assignee: *See—*
- Ayers, Joseph W.
- Williams, Calvin C., Philadelphia, Pa. Steam engine. 2,402,699; June 25.
- Williams, Charles, Antioch, Nebr. Fumigator. 2,400,674; May 21.
- Williams, Charles W., Louisville, Ky. Method and apparatus for pressing, deaerating and drying. 2,397,827; Apr. 2.
- Williams Cut Sole Co., assignee: *See—*
- Williams, Parker.
- Williams, David M., New Haven, Conn., assignor to Olin Industries, Inc. Bolt-action firearm. 2,404,555; July 23.
- Williams, David M., New Haven, Conn., assignor to Olin Industries, Inc. Cartridge-extracting mechanism for firearms. 2,412,663; Dec. 17.
- Williams, Dayton M., Elynnville, Mo. Buck rake stacker. 2,404,154; July 16.
- Williams, Edward B., Jr., Greenville, Tex. Side wall core barrel. 2,401,893; June 11.
- Williams, Edward B., Tulsa, Okla. Pressure relief valve. 2,407,754; Sept. 17.
- Williams, Emil F.: *See—*
- Foster, George H., and Williams.
- Williams, Ervin L., Los Angeles, Calif. Motor driven signal. 2,408,590; Oct. 1.
- Williams, Ethel C., administratrix: *See—*
- Williams, James B. and E. C.
- Williams, Francis A., assignor to one-half New-Era Walls, Limited and one-half to Cyclops Commercial and Construction Co., Ltd., Toronto, Ontario, Canada. Apparatus for forming blocks of concrete or other hardening material. 2,398,267; Apr. 9.
- Williams, Frank W., and J. Clark, Dayton, Ohio. Testing for imperfections in vibratable objects. 2,421,240; Dec. 16.
- Williams, Frederick W. H.: *See—*
- Clarke, Thomas B., and Williams.
- Williams, Harrison J., Garvey, assignor to C. B. Equipment Co., Los Angeles, Calif. Sprocket and jack-shaft connection for motor vehicles. 2,402,266; June 18.
- Williams, Harvey A., and P. A. Jung, Davison, Mich.; said Jung assignor to said Williams. Mount for telescope gun sights. 2,396,404; Mar. 12.
- Williams, Harvey L., Greenwich, Conn., and P. S. Kellum, Newark, N. J., assignors to Crown Fastener Corporation, Warren, R. I. Slide fastener device. 2,394,732; Feb. 12.
- Williams, Herbert J., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Valve mechanism. 2,401,716; June 4.
- Williams, Hoke S., St. Petersburg, Fla. Ornament for ears. 2,410,914; Nov. 12.
- Williams, Ira: *See—*
- Tisdale, Wendell H., and Williams.
- Williams, Ira, and F. W. Selfridge, assignors to J. M. Huber Corporation, Borger, Tex. Apparatus for making carbon black. 2,399,969; May 7.
- Williams, J. H., & Co., assignee: *See—*
- Kress, Willard C.
- Williams, James: *See—*
- Simpson, John, Jr., and Williams.
- Williams, James B., deceased; E. C. Williams, administratrix, Houston, Tex. Thread and glass cutting compound. 2,396,403; Mar. 12.
- Williams, Jesse D., Jr., Shively, assignor to Henry Vogt Machine Co., Inc., Louisville, Ky. Timing system for ice making apparatus. 2,396,308; Mar. 12.
- Williams, John B., Wellesley, Mass. Nonspillable inkwell. 2,393,546; Jan. 22.
- Williams, John H.: *See—*
- Mastney, Edward J., and Williams.
- Williams, John J., Bridgeport, Conn. Battery terminal post cleaning device. 2,405,680; Aug. 13.
- Williams, John J., Bridgeport, Conn. Battery servicing. 2,412,932; Dec. 17.
- Williams, Judson, Philadelphia, Pa. Cylinder and piston and producing a working seal therebetween. 2,397,067; Mar. 19.
- Williams, La Mar S., Provo, Utah. Combination salt and pepper shaker. 2,411,489; Nov. 19.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Indicating mechanism. 2,400,277; May 14.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Counting mechanism. 2,405,626; Aug. 13.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Ticket printing mechanism. 2,407,522; Sept. 10.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,410,139; Oct. 29.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Reduction camera. 2,412,761; Dec. 17.
- Williams, Lewis E., Jr., and P. L. Smith, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Rivet. 2,410,398; Oct. 29.
- Williams, Lisle C., Memphis, Tenn. Venetian blind. 2,401,283; May 28.
- Williams, Lloyd L. F., Wright, and R. Hendricks, Calgary, Alberta, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Production of ammonium nitrate. 2,402,192; June 18.
- Williams, Lloyd M., Chesapeake, Ohio. Length in terms of weight measuring device. 2,399,528; Apr. 30.
- Williams, Lorris: *See—*
- Barkstrom, Elmer E., and Williams.

- Williams, Louise H., assignor of one-half to P. Bozeman, West Los Angeles, Calif. Collapsible receptacle. 2,405,627; Aug. 13.
- Williams, Lynn A., Jr.: *See*—
McCullum, Henry J. De N., and Williams.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Heating apparatus. 2,401,032; May 28.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Engine exhaust flame arrester. 2,401,806; June 11.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Heating apparatus. 2,404,676; July 23.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Air conditioning apparatus for aircraft. 2,412,110; Dec. 3.
- Williams, Merle R., San Antonio, Tex. Apparatus for unbelting ammunition. 2,409,651; Oct. 22.
- Williams, Milton, Houston, Tex., assignor to Standard Development Company. Removal of H_2S from gases. 2,403,319; July 2.
- Williams, Olin W.: *See*—
Brown, Luther E., and Williams.
- Williams, Otis L., Jr.: *See*—
Adrias, Venancio.
- Williams, Park, Weston, assignor to Williams Cut Sole Co., Boston, Mass. Making shoe sole taps. 2,393,210; Jan. 15.
- Williams, Paul H., Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif. Dihydroisophoryl thiocyanate esters and compositions containing same. 2,394,280; Feb. 5.
- Williams, Paul H., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Organic thiocyanate compounds. 2,409,329; Oct. 15.
- Williams, Philip S., Tulsa, Okla., assignor to Standard Oil Development Company. Well logging. 2,408,012; Sept. 24.
- Williams, Ralph E., River Forest, and L. J. Nowak, Jr., assignors to B. F. Gump Co., Chicago, Ill. Weighing and dispensing apparatus. 2,406,934; Sept. 3.
- Williams, Ralph H., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical discharge device. 2,401,998; June 11.
- Williams, Raymond L., Arcadia, Calif. Balanced pressure switch. 2,412,377; Dec. 10.
- Williams, Robert D.: *See*—
O'Neal, Wilbur W., and Williams.
Swensen, Albert D., and Williams.
- Williams, Robert H.: *See*—
Fuller, Everett W., Berger, and Williams.
- Williams, Robert L., Newton, assignor by mesne assignments to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,407,697; Sept. 17.
- Williams, Robert M.: *See*—
Arthur, James L., and Williams.
- Williams, Russell J.: *See*—
Brady, Charles W., and Williams.
- Williams, Russell J., Richmond Heights, and A. S. Littlefield, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Bag filling apparatus. 2,403,149; July 2.
- Williams, Russell J., Richmond Heights, and H. C. Davis, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Bag closure means and method. 2,404,337; July 16.
- Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,402,700; June 25.
- Williams, Thomas G., Johannesburg, Transvaal, Union of South Africa. Device for teaching dancing. 2,402,109; June 11.
- Williams, Vernon H., Androssan, and H. R. Wright, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of detonating explosives and products obtained thereby. 2,407,595; Sept. 10.
- Williams, Villor P., Chicago, Ill. Shock resisting heel. 2,394,281; Feb. 5.
- Williams, Ward, Brandon, Wis. Toy blower. 2,411,490; Nov. 19.
- Williams, Warren L., Jr., U. S. Navy. Magnetic mine-sweeping underwater electrode. 2,396,734; Mar. 19.
- Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Mechanism for control of splices. 2,401,536; June 4.
- Williams, William A., Port Crane, assignor to General Aniline & Film Corporation, New York, N. Y. X-ray exposure calculator. 2,411,491; Nov. 19.
- Williams, William E., New York, N. Y. Forming scratch-resistant articles. 2,408,540; Oct. 1.
- Williams, William J., Chicago, Ill. Electromagnetic motor and circuit controls therefor. 2,402,933; June 25.
- Williams, William R., Dunsmuir, Calif. Nut lock. 2,409,969; Oct. 22.
- Williams, Willis E., New Orleans, La. Wrench. 2,402,477; June 18.
- Williams-Poxcroft, Stanley G., Woodlands, Kemsing, England. Coupling device for connecting pipes or conduits. 2,398,170; Apr. 9.
- Williamson, Marshall L., New Haven, and H. A. Carruth, Northampton, assignors to National Folding Box Company, New Haven, Conn. Hinged cover container. 2,403,698; July 9.
- Williamson, Tom, Port Arthur, Tex., and N. A. Scardino, Lockport, Ill., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Cracking and coking hydrocarbon oils. 2,395,081; Feb. 19.
- Williamson, William, assignor to M. Wright & Sons, Limited, Quorn, England. Woven fabric. 2,398,484; Apr. 16.
- Williamson, William R.: *See*—
Saco, Felix, Jr., and Williamson.
- Williamson, William R., assignor to The Maxim Silencer Company, Hartford, Conn. Evaporator. 2,392,893; Jan. 15.
- Willford, Edward A., White Plains, N. Y., assignor to National Carbon Company, Inc. Brush for electrical machinery. 2,412,701; Dec. 17.
- Willig, Celestin E., Buffalo, N. Y. Side arm heater. 2,405,052; Aug. 20.
- Willingham, Elijah N., Santa Rosa, Calif. Protractor for pipe bending machines. 2,403,420; July 2.
- Willis, Bernard D., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Machine for calculating the cost of telephone calls. 2,402,222; June 18.
- Willis, Charles C., Bound Brook, N. J., assignor to Crown Fastener Corporation, Warren, R. I. Enclosure. 2,405,539; Aug. 6.
- Willis, E. J., Company, The, assignee: *See*—
Smearle, Robert D.
- Willis, James M.: *See*—
Batchelder, George W., Nagle, Vyverberg, and Willis.
- Willis, Milton P., Dallas, Tex., assignor to American Telephone and Telegraph Company. Equipment for observing dial tone speed. 2,405,339; Aug. 6.
- Willits, Charles W., Saginaw, Mich. Paper cutter. 2,399,529; Apr. 30.
- Willman, Richard C.: *See*—
Morlock, William J., and Willman.
- Willman, Walter, St. Petersburg, Fla., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing reel. 2,391,935; Jan. 1.
- Willman, Walter, St. Petersburg, Fla., assignor to James Heddon's Sons, Dowagiac, Mich. Skirted fish lure. 2,413,344; Dec. 31.
- Willmore, Charles B.: *See*—
Stroup, Philip T., and Willmore.
- Willmore, Charles B., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Thermal reduction of oxidic magnesium ore. 2,402,193; June 18.
- Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Reversible and variable speed mechanism. 2,410,915; Nov. 12.
- Willoughby, Eric O., London, W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. Radiometer. 2,395,928; Mar. 5.
- Willoughby, Eric O., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Inductive coupling arrangement. 2,399,779; May 7.
- Willoughby, Eric O., assignor to Standard Telephones and Cables Limited, London, England. Keying arrangement. 2,413,018; Dec. 24.
- Willoughby, Victor, Concord, N. H., assignor to American Car and Foundry Company, New York, N. Y. Side plate construction for freight cars. 2,407,523; Sept. 10.
- Wills, Henry P., Ottawa, Ontario, Canada, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Emergency relief valve for use in automatically bypassing a hydraulic unit or the like. 2,404,936; July 30.
- Wills, John A., Altadena, and E. P. Wheaton, assignors to Fairchild, Polley & Eliel, Inc., Los Angeles, Calif. Aerial camera mount. 2,393,851; Jan. 29.
- Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,398,341; Apr. 9.
- Wills, Walter P., Philadelphia, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,404,894; July 30.
- Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,413,128; Dec. 24.
- Wilson, Charles T., Canaan, assignor to Local Industries, Incorporated, Lakeville, Conn. Cutting attachment for hoes. 2,403,893; July 9.
- Willstaedt, Harry C.: *See*—
Askof, Eric E. A., Svartz, and Willstaedt.
- Willys-Overland Motors, Inc., assignee: *See*—
Roos, Delmar G.
- Wilmington Chemical Corporation, assignee: *See*—
Rostler, Fritz S., Sternberg, and du Pont.
Rostler, Fritz S., Wilson, and du Pont.
- Wilmsen, Joseph, Rushland, Pa. Chenille making machine. 2,408,898; Oct. 8.
- Wilputte Coke Oven Corporation, assignee: *See*—
Wethly, Frans.
- Wilsey, Ruth A., executrix, assignee: *See*—
Goswiler, Earl W.

- Wilson, Alexander L.: *See—*
Stoops, William N., and Wilson.
- Wilson, Alfred W., New Westminster, British Columbia, Canada. Trailer hitch. 2,407,464; Sept. 10.
- Wilson, Allen B.: *See—*
Stuart, Kimberly, and Wilson.
- Wilson, Allen B., Evanston, assignor to Acme Steel Company, Chicago, Ill. Winding reel. 2,394,503; Feb. 5.
- Wilson, Allen B., Evanston, assignor to Acme Steel Company, Chicago, Ill. Curtain rod. 2,401,212; May 28.
- Wilson, Allan J., assignor of twenty-five per cent to A. J. Shaw, twenty-five per cent to M. P. Shaw, and twenty-five per cent to M. L. Wilson, Gloversville, N. Y. Carriage bootee. 2,393,510; Apr. 16.
- Wilson, Arthur P.: *See—*
Pontius, George W., III, and Wilson.
- Wilson, Arthur P.: *See—*
Pontius, George W., III, Wilson, and Kuzmitz.
- Wilson, Burton J., assignor to Vickers Incorporated, Detroit, Mich. Power transmission pump. 2,411,606; Nov. 26.
- Wilson Carbon Company, Inc., assignee: *See—*
Andrews, Ralph.
- Wilson, Cecil B., London, and A. W. White, Ruislip, assignors to Hoover Limited, Perivale, Greenford, England. Fluid pressure delivery mechanism. 2,395,439; Feb. 26.
- Wilson, Charles D., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Position indicator. 2,392,209; Jan. 1.
- Wilson & Company, assignee: *See—*
Hodson, George F.
- Wilson & Company, assignee: *See—*
Hodson, George F., and Campbell.
- Wilson, Cyril D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsion. 2,393,351; Jan. 22.
- Wilson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Compound motion fluid distribution valve for wabler plate meters. 2,413,670; Dec. 31.
- Wilson, David W., assignee: *See—*
Kelus, Elizabeth M.
- Wilson, Delbert I., and J. W. Quinn, assignors to The City Engineering Company, Dayton, Ohio. Turning machine. 2,395,365; Feb. 19.
- Wilson, Donald L., Coventry, England, assignor to Courtaulds, Limited, London, England. Manufacture of polyvinyl alcohol threads. 2,399,970; May 7.
- Wilson, Edwin A., Rutherford, and W. D. Newman, Elizabeth, N. J., assignors to Interchemical Corporation, New York, N. Y. Producing zinc yellow. 2,410,916; Nov. 12.
- Wilson, Eleanor D.: *See—*
Pfundner, Richard A., and Wilson.
- Wilson, Ellis C., H. F. Stock, and G. B. Heffelfinger, assignors to The Marlin Steam Shovel Company, Marion, Ohio. Walking tractor. 2,399,417; Apr. 30.
- Wilson, Elvin H., assignee: *See—*
Handelan, Daniel.
- Wilson Engineering Corporation, assignee: *See—*
Wilson, Lyndon F., and Preston.
- Wilson, Ernest D., Worcester, assignor to Arthur D. Little, Inc., Cambridge, Mass. Electrodeposition of copper. 2,411,674; Nov. 26.
- Wilson, Ernest E., near Milford, assignor to General Motors Corporation, Detroit, Mich. Resonator silencer. 2,405,699; July 9.
- Wilson, Ezekiel J., Singlerlands, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Pulling. 2,398,342; Apr. 9.
- Wilson, Golder P., Alton, Ill., assignor to Olin Industries, Inc., Strip processing. 2,407,120; Sept. 3.
- Wilson, Frank E., Ashland, G. J. Esselen, Swampscott, and G. F. D'Alorio, assignors, by mesne assignments, to Fre-Ply-Lac-Tite Brush Company, Northampton, Mass. Polyvinyl acetal maleates and making same. 2,413,275; Dec. 24.
- Wilson, H. A., Company, The, assignee: *See—*
Guinee, Edward J.
- Wilson, Harry A.: *See—*
Alix, Elmer C., and Wilson.
- Wilson, Harry A., Rumson, assignor to The Wilcolator Company, Elizabeth, N. J. Pressure cooker. 2,392,077; Jan. 1.
- Wilson, James A.: *See—*
Heigl, John J., and Wilson.
- Wilson, James E., assignor of one-fourth to G. C. Knight, Detroit, Mich., and one-fourth to D. G. Smith. Metal framed wood container. 2,411,121; Nov. 12.
- Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Machine tool. 2,398,268; Apr. 9.
- Wilson, John C., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Color television signal-translating system. 2,413,423; Dec. 31.
- Wilson, John H., Wichita Falls, Tex. Armament structure. 2,395,310; Feb. 19.
- Wilson, John M.: *See—*
Beam, Vilynn O., Cyr, and Wilson.
- Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Planetary manual control mechanism. 2,397,068; Mar. 19.
- Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature measuring system. 2,407,361; Sept. 10.
- Wilson-Jones Company, assignee: *See—*
Dawson, George H., and Unger, Murphy, Edward.
- Segal, Samuel.
- Wilson Lorraine Company, assignee: *See—*
Wilson, Woodrow O.
- Wilson, Lyndon F., and E. A. Preston, assignors to Wilson Engineering Corporation, Chicago, Ill. Separator for boiler blowoff products. 2,404,263; July 16.
- Wilson, Mabel L., assignee, et al.: *See—*
Wilson, Allyn J.
- Wilson, Mitchell, assignor to Fred'k H. Levey Co., Inc., New York, N. Y. Applying coating films. 2,405,249; Aug. 6.
- Wilson, Nina M., assignee: *See—*
Wilson, Winifred E.
- Wilson, Norman B., Coulterville, Ill., assignor to Shell Development Company, San Francisco, Calif. Purification of dicarboxylic acids. 2,398,485; Apr. 16.
- Wilson, Peter, Vancouver, British Columbia, Canada. Gas torch. 2,394,349; Feb. 5.
- Wilson, Philip J., Jr.: *See—*
Wells, Joseph H., and Wilson.
- Wilson, Robert E., Upland, Calif. Collet type chuck. 2,403,837; Mar. 14.
- Wilson, Ronald M., Devon, assignor to William M. Wilson's Sons, Lansdale, Pa. Locked faucet. 2,403,837; July 9.
- Wilson, Ronald M., Devon, assignor, by mesne assignments, to William M. Wilson's Sons Inc., Lansdale, Pa. Faucet. 2,408,541; Oct. 1.
- Wilson, Russel S., Filer, Idaho. Mechanical movement. 2,407,859; Sept. 17.
- Wilson, Ryce H., Roseburg, Ore. Chain saw setting, jointer, and filing saw. 2,392,563; Jan. 8.
- Wilson, Samuel Winfield, Baton Rouge, La., assignor to Standard Oil Development Company. Butadiene extraction. 2,397,996; Apr. 9.
- Wilson, Thomas L., Scotch Plains, assignor to Federal Telegraph Company, Newark, N. J. Low impedance oscillator. 2,411,565; Nov. 26.
- Wilson, Thomas S., and R. Zdanowich, assignors to D. Napier & Son Limited, London, England. Torsiograph. 2,412,548; Dec. 10.
- Wilson, Vilma M.: *See—*
Rostler, Fritz S., Wilson, and du Pont.
- Wilson, Walter G., Martyr Worthy, near Winchester, Hampshire, England. Steering device for aircraft or other vessels. 2,412,486; Dec. 10.
- Wilson, Warren C., Rahway, N. J., assignor to Standard Oil Development Company. Fractional distillation. 2,404,677; July 23.
- Wilson, Wayne E., Schenectady, N. Y., assignor to General Electric Company. Electrode holder. 2,401,383; June 4.
- Wilson, William H., assignor to Fruit & Vegetable Processing Co., Los Angeles, Calif. Packing leafy vegetables for shipment. 2,413,129; Dec. 24.
- Wilson, William S., Haddonfield, N. J., assignor to Radio Corporation of America. Measurement of time between pulses. 2,412,111; Dec. 3.
- Wilson, Wesley, Chicago, Ill. Raising and lowering apparatus for electric lighting fixtures. 2,391,936; Jan. 1.
- Wilson, Wesley, Chicago, Ill. Convertible mounting means for punch and die tools. 2,395,082; Feb. 19.
- Wilson, Wesley, Chicago, Ill. Press. 2,395,083; Feb. 19.
- Wilson, Wilfrid G., Fort William, Ontario, Canada. Grinder. 2,403,775; July 9.
- Wilson, William F.: *See—*
Allen, Robert C., Kenney, and Wilson.
- Wilson, William J., Tehachapi, Calif. Fire tool. 2,400,451; May 14.
- Wilson, William S., Brookline, and H. N. Dole, Haverhill, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of water to remove silica. 2,396,220; Mar. 5.
- Wilson, William W., Los Angeles, Calif. Pipe tong. 2,406,530; Aug. 27.
- Wilson, Winifred E., Los Angeles, Calif., assignor of one-half to N. M. Wilson. Plywood structure. 2,409,819; Oct. 22.
- Wilson, Woodrow O., assignor to Wilson Lorraine Company, Los Angeles, Calif., a partnership composed of W. Wilson and L. J. Platt. Photographic compound. 2,398,968; Apr. 23.
- Wilson's, William M., Sons, assignee: *See—*
Wilson, Ronald M.
- Wiltrakis, Joseph E.: *See—*
Rea, Wilson W., and Wiltrakis.
- Winans, Charles F.: *See—*
Glowacki, William L., and Winans.
- Winans, Charles F., Borough of Beaver, Beaver County, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Treating cresylic pitch to obtain tar-acids therefrom. 2,398,687; Apr. 16.
- Winans, Mark, New York, N. Y. Toy gun. 2,413,090; Dec. 24.
- Winarsky, Benjamin: *See—*
Winarsky, Nathan and B.

- Winarsky, Nathan and B., assignors to Belmont Body Builders, Newark, N. J. Tire inflation guard. 2,407,049; Sept. 3.
- Winburn, A., assignee: *See*—
McKee, Thomas.
- Wincharger Corporation, assignee: *See*—
Albers, John R. and G. H.
Albers, John R., and Lasensky.
- Winchel, Henry T., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet and shockmount base. 2,407,804; Sept. 17.
- Windle, Donald E., Richmond, Ind. Glider location indicator. 2,396,453; Mar. 12.
- Windsor, Antoine E., La Jolla, Calif. Balloon sealing device. 2,396,906; Mar. 19.
- Windsor, Edward V.: *See*—
Clark, Thomas, Windsor, and Hart.
- Windsor, Frederick N., assignor to The Bastian-Blessing Co., Chicago, Ill. Underwater cutting torch. 2,396,546; Mar. 12.
- Windsor, Reginald H., and E. Gaspar, London, England; said Gaspar assignor to said Windsor. Machine for molding thermostetting materials. 2,410,324; Oct. 23.
- Wine, William E., Toledo, Ohio. Railway car. 2,402,267; June 18.
- Wine, William E., Toledo, Ohio. Demountable traction unit for tractor wheels. 2,408,591; Oct. 1.
- Wineman, Wade H., Michigan City, Ind., assignor to Joy Manufacturing Company. Bit sharpening mechanism. 2,404,201; July 16.
- Wineman, Wade H., Michigan City, Ind., assignor to Joy Manufacturing Company. Pumping apparatus. 2,408,013; Sept. 24.
- Wineman, Wade H., Michigan City, Ind., assignor to Joy Manufacturing Company. Pumping apparatus. 2,408,014; Sept. 24.
- Winer, Ephraim, Baltimore, assignor to The National Plastic Products Company, Odenton, Md. Plastic framed laminated panel and method. 2,402,717; June 25.
- Winfield, Edward A., Los Angeles, Calif. Internal-combustion engine head. 2,394,576; Feb. 12.
- Wing, L. J., Mfg. Co., assignee: *See*—
Wheller, Harry S.
- Wingate, Jack E., Norfolk, Va. Sliding apparatus. 2,405,385; Apr. 8.
- Wingtoot Corporation, assignee: *See*—
Bricker, Carl E.
Calvert, William C.
Carson, Clarence M.
Cavallito, Chester J.
Cheyney, La Verne E.
Clifford, Albert M., and Lichty.
Clunan, Albert B.
Cox, Fred W.
Cox, Fred W., and Wallace.
Donnell, Lloyd H., and Shaw.
Gardner, Charles E.
Gracia, Albert J., and Powers.
Haase, Jorgen I.
Hardman, Albert F.
Keck, Hans F.
Lichty, Joy G.
Lockridge, Jack K.
Long, John R.
Mallory, Gerald D.
Marlin, Ralph C.
McMahan, William W.
Mott, Elmer S.
Pace, Henry A.
Pacertitz, Henry A.
Rogers, Thomas H., Jr.
Scott, Winfield.
Seeger, Nelson V.
Taylor, William H., and Jones.
Taylor, William H., and Workman.
Ten Broeck, Theodore R.
Thompson, Harry H.
Thompson, Harry H., and Moore.
Van Orman, Ward T.
Vincent, Joseph F.
Vox, Fred W.
Wolfe, William D.
Zartli, Charles E.
- Wingrove, Byron F., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treating waxy stocks. 2,411,492; Nov. 19.
- Winkelmann, Samuel A., West Columbia, Tex., and J. C. Wright, Abbeville, La., assignors to The Texas Company, New York, N. Y. Scale-peptizing composition. 2,411,074; Nov. 12.
- Winkels, Bernard, assignee: *See*—
Flacher, Albert L.
- Winkler, De Luss E.: *See*—
Ballard, Seaver A., and Winkler.
- Winkler, Marion R., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,395,067; Apr. 9.
- Winkler, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel coating apparatus. 2,401,395; June 4.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for treating tanned skins. 2,404,873; July 30.
- Winn, Bertelle I., Yonkers, N. Y. Electric caldron. 2,405,103; July 30.
- Winn, Sidney B., Lapeer, Mich. Safety jaw for fifth wheel assemblies. 2,411,404; Nov. 19.
- Winn, William E., Dallas, Tex., and P. F. Dougherty, Chester, Pa., assignors to Sun Oil Company, Philadelphia, Pa. Logging wells. 2,408,964; Oct. 8.
- Winn, William E., Dallas, Tex., and P. F. Dougherty, Chester, Pa., assignors to Sun Oil Company, Philadelphia, Pa. Logging wells. 2,408,965; Oct. 8.
- Winnick, Philip S.: *See*—
Roblin, Richard O., and Winnick.
- Winnick, Philip S., Indianapolis, Ind., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-chloropyrazine. 2,396,066; Mar. 5.
- Winnick, Philip S., Indianapolis, Ind., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-(N-acetylsulfanilamido) pyrazine. 2,403,776; July 9.
- Winnick, Philip S., Indianapolis, Ind., and Q. P. Cole, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of 2-amino-pyrazine. 2,396,067; Mar. 5.
- Winnick, Philip S., and R. O. Roblin, Jr., Stamford, Conn.; assignors to American Cyanamid Company, New York, N. Y. Sulfonamide pyrimidines. 2,410,793; Nov. 5.
- Winnick, Mary H., assignee: *See*—
Winnick, Raymond M.
- Winnick, Raymond M., Stratford, Conn., assignor to M. H. Winnick. Amusement device. 2,402,861; June 25.
- Winning, Carl: *See*—
McNab, John G., and Winning.
- Winning, Carl, Westfield, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Lubricant composition. 2,409,726; Oct. 22.
- Winslow, Arthur F., Schenectady, N. Y., assignor to General Electric Company. Synthetic wax composition. 2,399,085; Apr. 23.
- Winslow, Albert E., Norwich, assignor, by mesne assignments, to Farrell-Birmingham Company, Incorporated, Ansonia, Conn. Wire stranding machine. 2,400,323; May 14.
- Winslow, Albert E., Norwich, assignor, by mesne assignments, to Farrell-Birmingham Company, Incorporated, Ansonia, Conn. Strand packaging apparatus. 2,400,324; May 14.
- Winslow, Albert E., Norwich, assignor, by mesne assignments, to Farrell-Birmingham Company, Incorporated, Ansonia, Conn. Thread finishing machine. 2,400,325; May 14.
- Winslow, Charles A., Oakland, Calif. Combined bilge and tank washer and jet pump. 2,404,202; July 16.
- Winslow, James C.: *See*—
York, James O., and Winslow.
- Winslow, Samuel J., Providence, R. I. Vanity for automobile compartments. 2,406,450; Aug. 27.
- Winston, Love, Chicago, Ill. Conveying apparatus. 2,405,920; Aug. 13.
- Winstrom, Leon, Tonawanda, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of fumaric acid. 2,393,352; Jan. 22.
- Wintak, Incorporated, assignee: *See*—
Clark, John T.
- Winter, Charles L., Chicago, Ill., assignor to United Autographic Register Co. Stationary feeding device with retractable pins. 2,401,596; June 4.
- Winter, Charles L., Chicago, Ill., assignor to United Autographic Register Co. Pin-type feeding device. 2,401,597; June 4.
- Winter, Courtney P., deceased, M. B. Winter, executrix, assignor to Sanitary Tampon Corporation, Chambersburg, Pa. Tampon applicator. 2,413,480; Dec. 31.
- Winter, Courtney P., deceased, and D. A. Rosenthal, M. B. Winter, executrix of said C. P. Winter, assignors to Sanitary Tampon Corporation, Chambersburg, Pa. Manufacture of tampons. 2,401,284; May 28.
- Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Field control systems for synchronous machines. 2,407,121; Sept. 3.
- Winter, Marguerite P., executrix: *See*—
Winter, Courtney P.
Winter, Courtney P., and Rosenthal.
- Winterfeld, Henry, New York, N. Y. Permutation lockbox. 2,407,362; Sept. 10.
- Winterhalter, Martin, Morcote, near Lugano, Switzerland. Separable fastener. 2,397,331; Mar. 26.
- Wintersteiner, Oskar, New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Chemical compound and method. 2,400,380; May 14.
- Wintersteiner, Oskar, New Brunswick, and W. L. Ruigh, Princeton, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Chemical compounds. 2,411,777; Nov. 19.
- Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, trustee. Electromagnetic friction control device. 2,395,772; Feb. 26.
- Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, as trustee. Electrical coupling control apparatus. 2,411,122; Nov. 12.

- Winther, Martin P., trustee, assignee: *See*—Winther, Anthony.
- Winther, Martin P.
- Winther, Martin P., assignor to M. P. Winther, trustee, Waukegan, Ill. Eddy-current electric apparatus. 2,393,211; Jan. 15.
- Winther, Martin P., Waukegan, Ill., assignor to M. P. Winther, trustee. Electromagnetic apparatus. 2,403,421; July 2.
- Winthrop Chemical Company, Inc., assignee: *See*—Kuhn, Richard, and Wieland.
- Kwartler, Charles E., and Lucas.
- Tullar, Benjamin F.
- Windle, Thomas D. G.: *See*—Hill, Walter E., Wintle, and Morgan.
- Wintringham, Andrews C.: *See*—Weiss, Robert H., and Wintringham.
- Wintsch, Max T., assignor of thirty-nine and one-half per cent, to N. M. Weaver, H. Chamberlain, Sr., thirteen per cent, and M. M. Cohen, ten per cent, Lancaster, Pa. Ignition system. 2,394,350; Feb. 5.
- Wipff, Frank P.: *See*—Bedford, Alda V., and Wipff.
- Wipff, Frank P., Princeton, N. J., assignor to Radio Corporation of America. Multiplier circuit. 2,401,447; June 4.
- Wipper, George and V. F., Jacksonville, Fla. Necktie-chief and making the same. 2,402,795; June 25.
- Wipper, George and V. F., Jacksonville, Fla. Necktie-chief display knot and making. 2,405,921; Aug. 13.
- Wipper, Vivien F.: *See*—Wipper, George and V. F.
- Wire Machinery Corporation of America, Incorporated: *See*—Swanson, Victor T.
- Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Method and apparatus for medium high frequency direction finders. 2,393,353; Jan. 22.
- Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Azimuth radio direction finding system. 2,408,118; Sept. 24.
- Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Heterodyne radio direction finding system. 2,408,119; Sept. 24.
- Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Radio direction finding system. 2,408,120; Sept. 24.
- Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Direction finding system with frequency shift. 2,408,121; Sept. 24.
- Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Heterodyne direction finder with single receiver. 2,408,122; Sept. 24.
- Wirshing, Ralph J., and F. E. Smith, assignors to General Motors Corporation, Detroit, Mich. Drawing reproduction. 2,407,509; Sept. 10.
- Wirsing, Rosa: *See*—Wirsing, Sebastian and R.
- Wirsing, Sebastian and R., Long Island City, N. Y. Hair curler. 2,410,617; Nov. 5.
- Wirt, Charles P.: *See*—Kupersmith, Leo S., and Wirt.
- Wirtel, Arthur F.: *See*—De Groot, Melvin, Keiser, and Wirtel.
- Wirth, Emil O., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine control mechanism. 2,393,440; Jan. 22.
- Wirth, Emil O., assignor to Bendix Aviation Corporation, South Bend, Ind. Venting means. 2,406,120; Aug. 20.
- Wirth, Richard R., Westwood, Ohio. Underwater inspection and photographing device. 2,404,556; July 23.
- Wirth, Walter V., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. The preparation of mercaptans. 2,395,240; Feb. 19.
- Wirz, Henry, Long Beach, Calif. Flashlight. 2,401,033; May 25.
- Wisconsin Alumni Research Foundation, assignee: *See*—McCoy, Elizabeth F.
- Wolf, Frank M.
- Wisconsin Electric Power Company, assignee: *See*—Dornbrook, Frederick L.
- Wise, Edmund M.: *See*—Gagnebin, Albert P., and Wise.
- Wise, Edmund M., Westfield, and R. F. Vines, Plainfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Electroformed article. 2,397,583; Apr. 2.
- Wise, Leonard G.: *See*—Lazier, Wilbur A., Signaigo, and Wise.
- Wise, Raleigh J.: *See*—Hieronymus, Charles G., Ridings, and Wise.
- Ridings, Garvice H., and Wise.
- Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. System and apparatus for facsimile telegraphy. 2,394,577; Feb. 12.
- Wise, Raleigh J., Dunellen, and G. H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile telegraph system and apparatus. 2,392,442; Jan. 8.
- Wise, Raymond O., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,408,462; Oct. 1.
- Wisecarver, George B., Pikeville, Ky. Shoe heel construction. 2,407,524; Sept. 10.
- Wisegarver, Orton H., Los Angeles, Calif., assignor to Adel Electric Products Corp. Wire connector. 2,393,083; Jan. 15.
- Wiseley, Don C., Los Angeles, Calif. Inertia operated circuit maker and breaker. 2,400,278; May 14.
- Wiser, Winston D., Muncy, Pa. Automatically adjustable wire rope die. 2,413,595; Dec. 31.
- Wislicenus, George F., Summit, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Rotor. 2,395,704; Feb. 26.
- Wisman, Franklin O., and W. C. Rohn, assignors to Bendix Aviation Corporation, South Bend, Ind. Automatic machine gun charger. 2,410,767; Nov. 5.
- Wisniewski, Edmund S.: *See*—Schramm, Roy A., and Wisniewski.
- Wissmiller, Henry: *See*—McKeown, George H., and Wissmiller.
- Witchger, Eugene S., Grosse Pointe, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Pump construction. 2,408,716; Oct. 1.
- Withall, Albert P., trustee, assignee, et al.: *See*—Geiger, William A.
- Withall, Albert P., trustee, et al.: *See*—Geiger, William A.
- Witham, George S., Hudson Falls, N. Y. Apparatus for debarking timber. 2,400,725; May 21.
- Witham, William B., Westfield, N. J. Shoulder pad. 2,407,755; Sept. 17.
- Witherow, William P.: *See*—Henderson, Albert.
- Witherow, William P., assignee: *See*—Henderson, Albert.
- Withers, Samuel C., Jr., Williamstown, Mass., assignor of one-third to F. P. Colburn, Burlington, Vt. Educational device. 2,394,282; Feb. 5.
- Witkiewicz, Roman, Lwow, Poland; vested in the Allen Property Custodian. Process and apparatus for performing endothermic catalytic reactions in the gas phase. 2,397,899; Apr. 2.
- Witmer, Paul B., Lancaster, Pa. Potato slicer. 2,413,160; Dec. 24.
- Witsaman, Delbert V.: *See*—Grylewicz, Frank S., Hannon, and Witsaman.
- Witt, Henry P., Napa, Calif. Steel post oiler cup. 2,400,798; May 21.
- Witte, Isadore O., Los Angeles, Calif. Joint for leg braces. 2,410,560; Nov. 5.
- Wittenberg, David, Romea, Jerusalem, Palestine. Rotary pump. 2,403,572; July 9.
- Wittenberg, Edward H., assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker. 2,395,602; Feb. 26.
- Wittenmyer, Carlos: *See*—Jahoda, Edward, and Wittenmyer.
- Wittenmyer, Carlos, Mount Clemens, Mich. Automatic typewriter. 2,394,735; Feb. 12.
- Wittenmyer, Carlos, Mount Clemens, Mich. Posting machine. 2,404,264; July 16.
- Witter, Lawrie L., assignee: *See*—Sullivan, John J.
- Wittkuhns, Bruno A.: *See*—Hight, William R., and Wittkuhns.
- Wittkuhns, Bruno A., Summit, and P. Chantemerle, Fort Lee, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Damping eliminator for gyroscopic compasses. 2,406,879; Sept. 3.
- Wittle, Eugene L.: *See*—Marker, Russell E., Crooks, Jr., and Wittle.
- Marker, Russell E., and Wittle.
- Wittlingler, Leonard M., Flint, assignor to General Motors Corporation, Detroit, Mich. Signal system. 2,399,715; May 7.
- Wittlingler, Leonard M., Flint, assignor to General Motors Corporation, Detroit, Mich. Mercury arc device. 2,403,700; July 9.
- Witts, Glenn H.: *See*—Sparrow, Hubert T., Taylor, and Witts.
- Witts, Horace: *See*—Bootton, William E., and Witts.
- Witty, George, Long Island City, N. Y. Liquid coating composition and making same. 2,406,649; Aug. 27.
- Wodack Electric Tool Corporation, assignee: *See*—Schwarzkopf, Arthur R.
- Wodal, Francis A., Camden, N. J. Airplane control. 2,396,309; Mar. 12.
- Woessner, Warren W.: *See*—Waddell, James, and Woessner.
- Wohl, Maurice J., Brooklyn, N. Y. Electric snap switch. 2,404,874; July 30.
- Wohlmeier, Josef, Berlin, Germany; vested in the Allen Property Custodian. Percussive tools operated by an internal combustion engine. 2,396,627; Mar. 12.
- Wolcott, Glenn W., assignor to United Aircraft Products, Inc., Dayton, Ohio. Relief valve. 2,400,861; May 21.
- Wolcott, Herbert, Columbia, Mo. Toggle fastening means for floating closures. Re. 22,793; Oct. 1.
- Wolf, Alexander, and L. G. Cowles, Houston, Tex., assignors to The Texas Company, New York, N. Y. Well sounding apparatus. 2,411,311; Nov. 19.

- Wolff, Alfred, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Electrical measuring instrument. 2,400,326; May 14.
- Wolff, Austin M., Plainfield, N. J. Vehicle suspension control mechanism. 2,405,250; Aug. 6.
- Wolff, Cecil R.; See—
Ferris, William D., and Wolff.
- Wolff, Ernest L.; See—
Thompson, Ernest H., Lockhart, and Wolff.
- Wolff, Frank M., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Fuel distribution system for high-temperature pebble bed furnaces. 2,408,282; Sept. 24.
- Wolff, Howard C., Cleveland, Ohio. End plate for bundle accessories. 2,402,701; June 25.
- Wolff, Joseph, Beverly Hills, assignor to S. Wolff, Los Angeles, Calif. Campaign bar and mounting therefor. 2,392,351; Jan. 8.
- Wolff, Lester J.; See—
Guyas, Thomas M., Jr., and Wolff.
- Wolff, Lester J., Audubon, N. J., assignor to Radio Corporation of America. Communication system for ultra-high frequencies. 2,407,800; Sept. 17.
- Wolff, Melanie, New York, N. Y. Sanitary food sheltering and eating plate device. 2,395,084; Feb. 19.
- Wolff, Otto R., Oak Park, assignor to Tribune Company, Chicago, Ill. Slitter mechanism for printing presses. 2,395,950; Mar. 5.
- Wolff, Richard H., Gary, Ind. Canning device. 2,393,491; Jan. 22.
- Wolff, Robert A., and H. L. Bowers, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Seal for aircraft control rods. 2,413,671; Dec. 31.
- Wolff, Sylvan, assignee; See—
Wolff, Joseph.
- Wolffard, Merl R., Cambridge, Mass. Stabilizing means for tension elements hanging with bag to sustain loading between supports. 2,407,019; Dec. 24.
- Wolfe, Asher M., Bloomsburg, Pa. Navigation computer. 2,408,357; Sept. 24.
- Wolfe, Bernard J., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,399,971; May 7.
- Wolfe, George H., Brooklyn, N. Y., assignor to D. E. McKenzie, Reno, Nev. Gas cleaner apparatus. 2,392,872; Jan. 15.
- Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Locomotive coupler. 2,400,584; May 21.
- Wolfe, Herbert J., Maspeeth, assignor to American Can Company, New York, N. Y. Oleo-resinous coating composition and preparing same. 2,397,179; Mar. 26.
- Wolfe, John F., Lapeer, Mich. Circular saw and dado cover. 2,406,979; Sept. 3.
- Wolfe, Joseph A., Seattle, Wash. Bed attachment. 2,401,999; June 11.
- Wolfe, Lester, United States Navy. Timepiece regulator. 2,393,671; Jan. 29.
- Wolfe, Lester, U. S. Navy. Star identifier. 2,402,194; June 18.
- Wolfe, William D., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Polymerizing vinyl compounds. 2,393,007; Jan. 15.
- Wolffenden, Harry C., Attleboro, Mass. Cloth dyeing machine. 2,412,188; Dec. 3.
- Wolffenden, Harry C., Attleboro, Mass. Collapsible and expandible spindle. 2,413,091; Dec. 24.
- Wolff, Alexander A., Long Beach, N. Y. Cooking utensil. 2,413,204; Dec. 24.
- Wolff, Harry S., Millington, and H. Gottesman, Park Ridge, N. J. Receptacle for waste disposal. 2,411,015; Nov. 12.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Apparatus for method of pulse keying. 2,401,807; June 11.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Apparatus for method of pulse keying. 2,403,624; July 9.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Drift indicator. 2,403,625; July 9.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Distance and direction determination. 2,407,195; Sept. 3.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Communication and distance determining system. 2,407,199; Sept. 3.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Object detection and location. 2,412,702; Dec. 17.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Radio location device. 2,412,703; Dec. 17.
- Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Cathode ray apparatus. 2,413,276; Dec. 24.
- Wolff, Irving, Merchantville, and W. D. Hersherberger, Collingswood, N. J., assignors to Radio Corporation of America. Signaling system. 2,401,717; June 4.
- Wolff, Irving, and R. S. Holmes, Haddonfield, N. J., assignors to Radio Corporation of America. Radio pulse position indicating system. 2,403,626; July 9.
- Wolff, Otto E., Chestnut Hill, assignor of one-fourth to Polaroid Corporation, Cambridge, Mass. Clutch mechanism. 2,400,585; May 21.
- Wolffner, William F., II.; See—
Long, John A., and Wolffner.
- Wolffner, William F., II, Methuen, assignor to Photoswitch Incorporated, Cambridge, Mass. Photoelectric control. 2,401,396; June 4.
- Wolffner, William F., II, Philadelphia, Pa., assignor to Radio Corporation of America. Remote control system. 2,411,607; Nov. 26.
- Wolffner, William F., II, Asbury Park, N. J., assignor to Photoswitch Incorporated, Cambridge, Mass. Electronic relay. 2,413,020; Dec. 24.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Vibration dampening fitting. 2,397,180; Mar. 26.
- Wolfram, John N., and W. Maky, assignors to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,412,664; Dec. 17.
- Wolfson, Henry, and S. C. Shepard, London, England, assignors by mesne assignments, to Standard Electric Corporation, New York, N. Y. Resistance type detector. 2,413,021; Dec. 24.
- Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of saturated hydrocarbons. 2,405,386; Aug. 6.
- Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating hydrocarbons. 2,407,861; Sept. 17.
- Wolk, I. Louis, and J. D. Upham, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of synthetic rubber. 2,396,907; Mar. 19.
- Woll, Harry J., Indianapolis, Ind., assignor to Radio Corporation of America. Gas tube circuit. 2,409,522; Oct. 15.
- Woll, Harry J., Indianapolis, Ind., assignor to Radio Corporation of America. Transducer system. 2,412,023; Dec. 3.
- Wollensak Optical Company, assignee; See—
Czarnikow, George K.
- Wollitz, Friedrich A. G.
- Wollm, Morey E., Brookline, Mass. Lock. 2,408,283; Sept. 24.
- Wollner, Herbert J., Washington, D. C., J. R. Matchett, Berkeley, Calif., and J. Levine, Washington, D. C. High vacuum fractionating still. 2,406,421; Aug. 27.
- Wollner, Paul; See—
Kittel, George P., and Wollner.
- Wolowicz, Chester S., Bloomfield, and J. J. Terpay, Irvington, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjusting mechanism. 2,404,118; July 16.
- Womack, Harry G., Atlanta, Ga. Window frame parting stop. 2,412,189; Dec. 3.
- Womack, Harry G., Atlanta, Ga. Window frame parting stop. 2,412,190; Dec. 3.
- Womble, Glenn E., assignor to Riverside & Dan River Cotton Mills, Inc., Danville, Va. Continuous dyeing of textile materials. 2,396,908; Mar. 19.
- Womble, Glenn F., Danville, Va., assignor to Riverside & Dan River Cotton Mills, Incorporated. Salvage for rayon fabric. 2,400,327; May 14.
- Wommack, Kenneth L.; See—
Langer, Bernard F., and Wommack.
- Wong, Lan J.; See—
Allison, Byron L., and Wong.
- Wooch, Walter R. J., Auburn, Calif. Drum valve and faucet. 2,405,681; Aug. 13.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Means for timing loop-takers of sewing machines. 2,392,793; Jan. 8.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work clamp for sewing machines. 2,410,399; Oct. 29.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread controlling device. 2,410,400; Oct. 29.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole sewing machine. 2,411,493; Nov. 19.
- Wood Biquettes, Inc., assignee; See—
Bowling, Robert T.
- Wood, Carlos C.; See—
Clauser, Francis H., and Wood.
- Wood, Charles W., Schenectady, N. Y., assignor to General Electric Company. Sectional enclosing casing. 2,401,598; June 4.
- Wood Conversion Company, assignee; See—
Heritage, Clark C., and Walter.
- Wood, David H., Barnt Green, and H. J. Roe, Knowle, England. Core making machine. 2,409,330; Oct. 15.
- Wood, Donald, assignor to Eastman Kodak Company, Rochester, N. Y. Artificial horizon. 2,413,399; Dec. 31.
- Wood, Earl S., assignor to Whitin Machine Works, Whitinsville, Mass. Spindle adusting means. 2,413,092; Dec. 24.
- Wood, Edward L., Detroit, Mich. Wheel trim. 2,394,958; Feb. 12.
- Wood-Flex Fashions Inc., assignee; See—
Kalisher, Benjamin.

- Wood, Frank E., executor: *See*—Sutton, Henry M.
- Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Reeling device for strip metal. 2,399,418; Apr. 30.
- Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading and feeding apparatus for coils of strip metal. 2,404,155; July 16.
- Wood, Frederick C.: *See*—Hall, Archibald J., and Wood.
- Wood, Frederick D., Jacksonville, Fla. Baby carrier. 2,409,331; Oct. 15.
- Wood, Frederick P., assignor to Simplex Paper Corporation, Adrian, Mich. Mechanism for creping paper. 2,393,672; Jan. 29.
- Wood, Fredric E., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Electromagnetic relay. 2,397,693; Apr. 2.
- Wood, Fredric E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,400,452; May 14.
- Wood, Fredric E., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Switch structure. 2,401,213; May 28.
- Wood, Fredric E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,404,469; July 23.
- Wood, Gar, Industries, Inc., assignee: *See*—Monahan, John C.
Shaffer, George D.
- Wood, George, Toronto, Ontario, Canada. Automatic drain device for cooling system. 2,408,183; Sept. 24.
- Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Slice receiving tray. 2,400,279; May 14.
- Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Food slicing machine. 2,402,519; June 18.
- Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Food handling apparatus. 2,402,520; June 18.
- Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Food handling apparatus. 2,402,525; Sept. 10.
- Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Slicing machine. 2,408,717; Oct. 1.
- Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Meat slicing machine. 2,410,698; Nov. 5.
- Wood, Glenn D., assignor to Posture Research Corporation, Elkhart, Ind. Chair. 2,402,934; June 25.
- Wood, Glenn D., and F. L. Turner, assignors to Posture Research Corporation, Elkhart, Ind. Chair seat. 2,412,112; Dec. 3.
- Wood, James R., Cleveland, Ohio, assignor to Harris-Seibold Company. Gripper mechanism. 2,411,133; Nov. 12.
- Wood, John E., Baxley, assignor to Ernest L. Roberts, Brunswick, Ga. Game of travel. 2,399,902; May 7.
- Wood, John, Manufacturing Company, Inc., assignee: *See*—Willson, David S.
- Wood, Joseph K., assignor to General Spring Corporation, New York, N. Y. Support device. 2,412,852; Dec. 17.
- Wood, Joseph L., and R. B. MacMullin, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Preparation of fusions containing magnesium chloride. 2,406,935; Sept. 3.
- Wood, Joseph, R., Portsmouth, Va. Pipe cleaner and dent straightener. 2,402,796; June 25.
- Wood, Louvan E., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Follow-up mechanism. 2,407,200; Sept. 3.
- Wood Newspaper Machinery Corporation, assignee: *See*—Rosen, Oscar C.
- Wood Process Company, Inc., assignee: *See*—Cline, McGarvey.
- Wood, Robert W., Princeton, N. J., assignor to Kaiser Fleetwings, Inc., Bristol, Conn. Method and apparatus for generating curves. 2,409,603; Oct. 13.
- Wood, Ross, Waltham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Filamentary cathode suspension. 2,402,797; June 25.
- Wood, Ross, Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical space discharge tube. 2,406,422; Aug. 27.
- Wood, Wilbur W.: *See*—Shaw, Burton E., and Wood.
- Wood, William, Jr., Vancouver, British Columbia, Canada. Shoe protector. 2,410,853; Nov. 12.
- Wood, William B.: *See*—Terrett, Joseph, and Wood.
- Wood, William H.: *See*—Rothrock, Henry S., and Wood.
- Wood, William H., Jr., Ansonia, Conn. Anchor. 2,413,596; Dec. 31.
- Woodall-Duckham (1920) Limited, assignee: *See*—Millener, William H.
- Woodall, Earl C., San Diego, Calif. Internal-combustion engine. 2,402,798; June 25.
- Woodberry, John H., and F. W. Hoewischer, Metuchen, N. J. Selective loader for cartridge machines. 2,402,195; June 18.
- Woodbury, John H., Johnsonville, S. C. C. G. Storm, Washington, D. C., J. S. Barker, Rochester, N. Y., F. H. Miles, Jr., Mahwah, and H. M. Brayton, Dover, and C. E. Seavey, Rockaway, N. J., assignors to the Secretary of War of the United States of America, trustee. 2,402,702; June 25.
- Woodbridge, Joseph L., Philadelphia, Pa., assignor to The Electric Storage Battery Company. Filling and venting structure for storage batteries. 2,401,448; June 18.
- Woodburn, Harold G., Munnhall, Pa. Machine for forming flat strips into articles. 2,402,478; June 18.
- Woodbury, Stephen E., assignor to Reid Brothers Company, Inc., Beverly, Mass. Grinding machine. 2,403,160; July 2.
- Woodcock, Reginald B., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Safety device for power-operated machines. 2,401,808; June 18.
- Wooddell, Charles E., G. Van Nimwegen, and E. T. Hager, assignors to The Carborundum Company, Niagara Falls, N. Y. Bonded abrasives. 2,400,036; May 7.
- Woodfield Engineering Limited, assignee: *See*—Spooner, Reginald A. W.
- Woodhouse, John C., Cragmere, and C. D. Bell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of wood. 2,395,311; Feb. 19.
- Woodin, Norman C., Peoria, Ill. Tractor loader. 2,394,830; Feb. 12.
- Woodin, William H., Jr., assignee: *See*—Soller, Walter.
- Woodin, William H., Jr., assignee, et al.: *See*—Krebs, Richard P.
- Woodings-Verona Tool Works, assignee: *See*—Skowron, Edmund A.
- Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Warming pad. 2,392,712; Jan. 8.
- Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistor and making. 2,394,130; Feb. 5.
- Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermostat. 2,405,003; July 30.
- Woodmansee, Clay G.: *See*—Meyer, Gerhard and Woodmansee.
- Woodruff, Albert E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Receiver ear piece. 2,407,731; Sept. 17.
- Woodruff, Arthur B., Brecksville, Ohio, assignor to Harris-Seibold Company. Sheet delivery mechanism. 2,406,936; Sept. 3.
- Woodruff, Howard C., Philadelphia, Pa. Resinous composition and producing the same. 2,409,332; Oct. 15.
- Woodruff, William N.: *See*—Herschede, Walter J., W. F., and Woodruff.
- Woods, Charles H., Middletown, Conn. Mechanical movement. 2,398,486; Apr. 16.
- Woods, John E., Brookline, assignor to Clifford Manufacturing Co., Boston, Mass. Repairing heat exchangers. 2,394,831; Feb. 12.
- Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Pressured fluid pump of motor. 2,392,279; Jan. 1.
- Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Fuel transfer system. 2,394,506; Feb. 5.
- Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 2,396,628; Mar. 12.
- Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft. 2,400,799; May 21.
- Wood's, T. B., Sons Company, assignee: *See*—Kindig, Arnie J., and Homer.
- Woods, Samuel T., assignor, by mesne assignments, to Lucison Corporation, Chicago, Ill. Wool scouring process and compositions. 2,395,085; Feb. 19.
- Woodstock, Willard H., Flossmoor, Ill., assignor to Victor Chemical Works. Producing neutral esters of molecularly dehydrated phosphoric acids. 2,402,703; June 25.
- Woodstock, Willard H., Flossmoor, Ill., assignor to Victor Chemical Works. Organic phosphorus and nitrogen containing compounds. 2,406,423; Aug. 27.
- Woodstock, Willard H., Flossmoor, and P. E. Pelletier, Jr., Chicago Heights, Ill., assignor to Victor Chemical Works. Producing trialkyl phosphate esters. 2,410,118; Oct. 29.
- Woodward, Charles F., Abington, A. Eisner, and P. G. Haines, Philadelphia, Pa., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Adjunct for tobacco. 2,392,514; Jan. 8.
- Woodward, Charles F., Abington, P. B. Talley, Philadelphia, Pa., E. L. Mayer, Sanford, Fla., and E. G. Belnhart, Philadelphia, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Insecticide. 2,392,961; Jan. 15.

- Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical contact plug. 2,393,684; Apr. 16.
- Woodward, David W. See—
Hanford, William E., Kirby, and Woodward.
Sease, Virgil B., and Woodward.
- Woodward, David W., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company. Color photography. 2,394,527; Feb. 5.
- Woodward, Edward F., Seattle, Wash. Interchangeable toolholder. 2,407,201; Sept. 3.
- Woodward, Eric B., 26.
- Hutchinson, Willis S., and Woodward.
- Woodward Governor Company, assignee: See—
Drake, George F.
Zeigler, Delbert L.
- Woodward, Harold E.: See—
Kyalnes, Donovan E., and Woodward.
- Woodward, Harold E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric cellulose structure and making same. 2,397,454; Mar. 26.
- Woodward, Herbert S., and W. A. Bates, Gabbs, Nev., assignors, by mesne assignments, to Defense Plant Corporation, Washington, D. C. Ore concentration. 2,393,008; Jan. 15.
- Woodward, Hiram W., and J. H. Potter, Baltimore, Md. Gas turbine system. 2,401,285; May 28.
- Woodward, Joseph H., Los Angeles, Calif. Fish lure. 2,403,202; July 2.
- Woodward, Oakley M., Princeton, N. J., assignor to Radio Corporation of America. Capacity switch. 2,400,619; May 21.
- Woodward, Robert B., Cambridge, Mass., and W. von E. Doering, New York, N. Y., assignors to Polaroid Corporation, Cambridge, Masss. Isoquinoline derivatives and preparing the same. 2,395,526; Feb. 26.
- Woodward, Robert E., Westville, W. P. Hawthorne, Weldonah, N. J., and J. R. Meadow, Memphis, Tenn., assignors to Socony-Vacuum Oil Company, Incorporated. Ethylene alkylation. 2,409,090; Oct. 8.
- Woodward & Wright Last Co., assignee: See—
Landers, Alton D., and J. A. Day.
- Woodworth, Fred A., Minneapolis, Minn. Fire control apparatus. 2,402,704; June 25.
- Woodworth, N. A., Company, assignee: See—
Hohwart, Ernest F.
Hohwart, Ernest F., and Hohwart.
- Woody, George A., Springfield, Mass. Forming firearm barrels. 2,413,022; Dec. 24.
- Woody, William E., Columbia, Mo. Combined burial casket and vault. 2,406,522; Aug. 27.
- Woodyard, John R., 26.
Varian, Russell H., Hansen, and Woodyard.
- Woodyard, John R., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Measuring apparatus. 2,411,916; Dec. 3.
- Wool, Rubin, New York, N. Y. Shaft seal. 2,395,705; Feb. 26.
- Woolf, Baron C. D., assignee: See—
Hadley, Frank H.
- Woolf, Cyril: See—
Gallitzstein, Eugene G., and Woolf.
- Woolfolk, Arthur R., Wauwatosa, Wis., assignor to Line Material Company, South Milwaukee, Wis. Making three-phase transformers. 2,394,648; Feb. 12.
- Woolfolk, Arthur R., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. Electromagnetic device. 2,400,184; May 14.
- Woolfolk, Arthur R., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. Making three-phase transformers. 2,407,391; Sept. 10.
- Woolford, Custis S., South Orange, N. J., assignor to American Can Company, New York, N. Y. Feeding device. 2,395,527; Feb. 26.
- Woolley, Besse R., et al.: See—
Woolley, Vasser.
- Woolley, Vasser, assignor to Seydel-Woolley & Company, Atlanta, Ga., a co-partnership of Georgia, consisting of P. and J. R. Seydel, V. Woolley, M. Seydel, and B. R. Woolley. Apparatus for conditioning packages of yarn, etc. 2,402,521; June 18.
- Wooster, Philip A., San Rafael, Calif. Paper feed for towel dispensers. 2,404,421; July 23.
- Wooster, Philip A., San Rafael, Calif. Dispensing device. 2,411,917; Dec. 3.
- Wooten, Leland A.: See—
Thurber, Elmer A., and Wooten.
- Worcester, Joseph A., Jr., Fairfield, Conn., assignor to General Electric Company. Receiver circuits. 2,401,214; May 28.
- Worcester, Joseph A., Jr., Fairfield, Conn., assignor to General Electric Company. Superregenerative receiver circuit. 2,410,768; Nov. 5.
- Worcester, Joseph A., Jr., Bridgeport, Conn., assignor to General Electric Company. Noise suppression circuit. 2,404,338; July 16.
- Word, James C., Jr., and J. J. Sims, Phillips, Tex., assignors to Phillips Petroleum Company. Dehydration of hydrohalogen acid by distillation. 2,413,295; Dec. 24.
- Worel, Glen J., assignor to Thexton Manufacturing Company, Minneapolis, Minn. Wear compensating device for distributed vacuum control. 2,390,909; Mar. 19.
- Work, Lincoln T., Maplewood, and D. L. Mathias, East Orange, assignors to Metal & Thermit Corporation, Carteret, N. J. Coated strand material. 2,395,157; Feb. 19.
- Work, Robert H.: See—
Brooks, John W., O'Kelly, and Work.
O'Kelly, Arlie A., Plucker, and Work.
- Workman, Arnold R., Malverne, assignor to Cities Service Oil Company, New York, N. Y. Manufacture of butadiene from propene and formaldehyde. 2,412,762; Dec. 17.
- Workman, Clarence E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient wheel. 2,404,581; July 23.
- Workman, Ernest R., Goshen, Ind. Banding machine. 2,409,652; Oct. 22.
- Workman, Robert E.: See—
Taylor, William H., and Workman.
- Wormald, Robert M.: See—
Breth, Walter J., and Wormald.
- Wormeck, Herbert A., F. P. Hess, and S. Braun, assignors to Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Vertical food chopper. 2,399,153; Apr. 23.
- Wormell, Robert L., Coventry, assignor to Courtaulds Limited, London, England. Extraction of casein from seeds. 2,406,650; Aug. 27.
- Wormser, Felix E., Secretary of Lead Industries, Association, assignee: See—
Dick, Robert.
- Worrall, George H., Los Angeles, Calif. Kinetograph movement. 2,404,875; July 30.
- Worrall, Robert H., Honolulu, Hawaii. Radio direction finder. 2,401,015; July 16.
- Worsham, Arthur F., Phoenix, Ariz. Pickup arm. 2,413,206; Dec. 24.
- Worth, Joseph, New York, N. Y. Photographic frame rack. 2,404,117; July 16.
- Worth, Thomas C., Market Harborough, England. Cleaner. 2,406,278; Aug. 20.
- Worthen, Eugene P., Braitree, and F. S. Barbour, Wollaston, Mass., assignors, by mesne assignments, to Buena Vista Iron Company. Apparatus for evaporating and distilling. 2,398,068; Apr. 9.
- Worthington, Emory W. See—
Taylor, Auburn, and Worthington.
- Worthington, Henry: See—
Baldwin, Alfred W., Cusa, and Worthington.
- Worthington Pump and Machinery Corporation, assignee: See—
Barnaby, James C., and Russell.
Karassik, Igor J.
McBride, Thomas C.
Miller, Ralph, and Jansen.
Mockridge, Chester R., and Allerton.
Schorer, Otto J.
Shumate, Frank D., and Saathoff.
Wislicenus, George F.
Zwickl, Joseph R.
- Worthington, Wayne H., assignor to John Deere Tractor Company, Waterloo, Iowa. Power lift. 2,403,422; July 2.
- Wortman, O. W., assignee: See—
Sarver, Emmett F.
- Wossum, William C., Pasadena, Calif. Magazine loader. 2,394,033; Feb. 5.
- Wotiz, John H.: See—
Pierce, John S., and Wotiz.
- Wrathall, Jay R., Pittsburgh, Pa., and R. L. Findley, Detroit, Mich., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamometer. 2,394,131; Feb. 5.
- Wread Overhead Door Co., assignee: See—
Wread, William E., Sr.
- Wread, William E., Sr., assignor to Wread Overhead Door Co., Los Angeles, Calif. Emergency braking apparatus. 2,410,182; Nov. 5.
- Wren, Henry D., Germantown, Tenn. Portable boring machine. 2,392,564; Jan. 8.
- Wright Aeronautical Corporation, assignee: See—
Browne, Kenneth A.
Campbell, Kenneth, and Talbert.
Chilton, Allan.
Chilton, Roland.
Chilton, Roland, and MacCulloch.
Du Bois, George B., Madden, and Meyer.
Francisco, William H., Jr.
Hill, Henry C.
Lundquist, Wilton G.
Rawald, August E.
Sollinger, Ferdinand P.
Steiner, Edward C.
Walsh, Bruce R., and Peterson.
- Wiegand, Francis J.
Wright-Batchelder Corporation, assignee: See—
Wright, Wallace C.
- Wright, Charles E., Toronto, Ontario, Canada. Tape dispenser. 2,401,286; May 28.

- Wright, Charles L., Branford, Conn., assignor to The American Steel and Wire Company of New Jersey. Spring lay rope and apparatus for manufacturing the same. 2,399,419; Apr. 30.
- Wright, Charlie, Oakland, Calif. Respiratory spray hood. 2,410,593; Nov. 5.
- Wright, David C., Euclid, and A. L. Ward, Shaker Heights, Ohio, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electromagnet. 2,410,794; Nov. 5.
- Wright, Donald L., Westfield, and C. W. Bohmer, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company. Lubricant and preparing same. 2,409,333; Oct. 15.
- Wright, Edwin C., Beaver, Pa., assignor to National Tube Company. Steel for high temperature service. 2,401,851; June 11.
- Wright, Edwin C., Beaver, Pa., assignor to National Tube Company. Well casing. 2,402,862; June 25.
- Wright, Francis S.: See—
Duncan, Donald M., Wright, Jackson, and Heyne.
- Wright, Frank: See—
Corey, Horace E., and Wright.
- Wright, Fred J., assignor to The Dennison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,401,397; June 4.
- Wright, Fred J., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,409,091; Oct. 8.
- Wright, Fred J., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,410,375; Oct. 29.
- Wright, Fred J., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Overload release. 2,408,501; Oct. 1.
- Wright, Hal F., assignor to Chester Manufacturing Company, Lisbon, Ohio. Take-up for roller bearings. 2,408,899; Oct. 8.
- Wright, Harold R.: See—
Williams, Vernon H., and Wright.
- Wright, Harold R., West Kilbride, and James Taylor, Salt-coats, Scotland, assignors to Imperial Chemical Industries Limited. Explosive compositions comprising low freezing liquid mixtures of aromatic-nitro-compounds. 2,407,597; Sept. 10.
- Wright, Howard V., Edgewood, Md., and W. W. Sibson, Jr., Philadelphia, Pa. Apparatus for treating fabrics. 2,400,726; May 21.
- Wright, Hubert B., Nashville, Tenn. Bottle stopper and pouring spout. 2,408,463; Oct. 1.
- Wright, James G. E., Alplaus, and C. S. Oliver, Schenectady, N. Y., assignors to General Electric Company. Preparing dimethyl silicone elastomers. 2,392,713; Jan. 8.
- Wright, John C.: See—
Winkelmann, Samuel A., and Wright.
- Wright, John R., Des Moines, Iowa. Foldable play pen. 2,395,603; Feb. 26.
- Wright, Kenneth A., Los Angeles, Calif. Placing cement plugs in well bores. 2,392,352; Jan. 8.
- Wright, Kenneth A., Los Angeles, Calif., assignor to B and W, Inc., Long Beach, Calif. Rotary well bore cleaner. 2,402,223; June 18.
- Wright, Leonard F.: See—
Williams, Lloyd, Wright, and Hendricks.
- Wright, M., and Sons, Limited, assignee: See—
Williamson, William.
- Wright, Milton H.: See—
Johnson, Clarence W., Sterling, and Wright, M. H. and B. T.
- Wright, Milton H., Lake Bluff, Ill., assignor to Stenographic Machines Inc. Stenographic machine. 2,392,078; Jan. 1.
- Wright, Paul L., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,406,053; Aug. 20.
- Wright Products, Inc., assignee: See—
Irwin, Justus C.
- Wright, Ralph H., Edgewood, and E. C. Watson, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,412,933; Dec. 17.
- Wright, Richard C., Bay Village, Ohio, assignor to Iron Pipe Manufacturing Company, Portland, Ore. Grate for burning solid fuel. 2,411,918; Dec. 3.
- Wright, Richard O.: See—
Rupp, Walter H., and Wright.
- Wright, Robert L., II, Dundalk, Md., assignor to Western Electric Company, New York, N. Y. Testing insulated conductors. 2,401,398; June 4.
- Wright, Robert T.: See—
Johnson, Clarence W., Sterling, and Wright, M. H. and B. T.
- Wright, Wallace C., Brookfield, N. H., assignor to Wright-Batchelder Corporation, Boston, Mass. Welt for use in saddle-down shoes. 2,390,080; Apr. 23.
- Wright's Automatic Machinery Company, assignee: See—
Tong, Christopher P., and May.
- Writzmann, Alex A., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Waterproof combined electric switch and pistol grip. 2,408,502; Oct. 1.
- Wrobel, Rudolph and W., Lancaster, assignors to American Car and Foundry Company, New York, N. Y. Article lifter. 2,393,946; Jan. 29.
- Wrobel, Walter: See—
Wrobel, Rudolph and W.
- Wuehr, William L., Port Arthur, Tex. Internal-combustion engine. 2,393,084; Jan. 15.
- Wuehr, William L., Port Arthur, Tex. Internal-combustion engine. 2,393,085; Jan. 15.
- Wuensch, Charles E., Saratoga, Calif. Impeller. 2,404,678; July 23.
- Wuert, Elmer J.: See—
Wuert, Paul P. and E. J.
- Wuert, Paul P., Melrose, and E. J. Wuert, Paynesville, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Loader. 2,404,820; July 30.
- Wulff, Frank D., Chicago, Ill. Gauging means for lawn mowers. 2,409,921; Oct. 22.
- Wulff, John, Cambridge, Mass. Reclamation of tool steel scrap. 2,394,578; Feb. 12.
- Wulff, John, Cambridge, Mass. Producing metal powders of high alloy content. 2,407,862; Sept. 17.
- Wurlitzer, Rudolph, Co., The, assignee: See—
Abern, William E.
Osenberg, Erwin C.
Von Stoesser, Walter.
- Wurlitzer, Rudolph, Company, The, assignee: See—
Hayslett, Lamar E., and Osborne.
Hill, Eugene F.
Osborne, Fred H.
Seymour, Lynn L.
- Wurzburger, Paul D., Cleveland, Ohio. Vibrationproof coupling. 2,394,351; Feb. 5.
- Wyandotte Chemicals Corporation, assignee, et al.: See—
Hammond, John A. S.
Heard, Joseph R., Jr.
McCoy, Lowell E.
Schwoegler, Edward J.
Tremain, Henry E., and Bacon.
Wegst, Walter F., Bacon, and McNabney.
- Wyche, Ernest H., and R. Smith, Pittsburgh, Pa. Providing inherently aging chromium-nickel stainless steel with different tempers. 2,397,997; Apr. 9.
- Wyckoff, Paul W.: See—
Gilfillan, Henry W., Borden, and Wyckoff.
- Wyeth Incorporated, assignee: See—
Patterson, Wilbur L., and Karabinos.
Patterson, Wilbur L., and Karabinos.
Szabo, Lester J.
- Wyer, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Pentaerythritol tetranitrate recovery. 2,394,923; Feb. 5.
- Wyer, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Preparation of cyclotrimethylenetrinitramine. 2,395,773; Feb. 26.
- Wyer, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Explosive composition. 2,407,805; Sept. 17.
- Wyer, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Cyclotrimethylenetrinitramine recovery. 2,410,699; Nov. 5.
- Wylie, Charles A., San Bernardino, Calif. Baby carriage. 2,395,208; Feb. 19.
- Wylie, Howard W., Seattle, Wash., assignor, by mesne assignments, to Standard-Knapp Corporation, Portland, Conn. System for handling articles. 2,396,936; Mar. 19.
- Wyllie, John, Jr., assignor to Tempire Products Corporation, Detroit, Mich. Photographic developing apparatus. 2,400,675; May 21.
- Wyman, Floyd H., and J. M. Malik, Toccoa, Ga., assignors to R. G. Le Tourneau, Inc., Stockton, Calif. Forging die and mount assembly. 2,408,542; Oct. 1.
- Wyman, Joseph B., Roxana, Ill., and H. D. Loeb, assignors to Shell Development Company, San Francisco, Calif. Fluid catalyst catalytic cracking. 2,405,922; Aug. 13.
- Wynn, Arthur H. A.: See—
Bell, David A., and Wynn.
- Wynn, Harold S.: See—
Mackey, Stuart J., and Wynn.
- Wynne, Charles G.: See—
Warmisham, Arthur, and Wynne.
- Wynne, Charles G., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical system. 2,394,959; Feb. 12.
- Wynne, George: See—
Warmisham, Arthur, and Wynne.
- Wyott Manufacturing Company, The, assignee: See—
Titus, Thomas L.
- Wyrick, Clayton E., Miami, Fla. Swivel nose screw. 2,398,343; Apr. 9.
- Wyrick, Clayton E., Miami, Fla., assignor to The Egly Register Company, Dayton, Ohio. Folding machine. 2,395,983; Mar. 5.
- Wyrick, Clayton E., Miami, Fla., assignor to The Egly Register Company, Dayton, Ohio. Well-feeding device. 2,411,075; Nov. 12.
- Wyss, Orville, and B. J. Ludwig, Bloomfield, N. J., and M. Rubin, New York, N. Y., assignors to Wallace & Tiernan Products, Inc. Substituted 4-amino benzoic acid. 2,393,673; Jan. 29.

- Ximenez, Manuel R., Plainfield, N. J., assignor to John-Manville Corporation, New York, N. Y. Hard surfacing of mineral fiber. 2,393,947; Jan. 29.
- Yabroff, David L.: *See*—
Crawford, Chester C., Yabroff.
- Nixon, Alan C., and Yabroff.
- Yaeger, Harry C., West Hartford, Conn., assignor to Underwood Corporation. Business machine 2,393,441; Jan. 22.
- Yaeger, Harry C., West Hartford, Conn., assignor to Underwood Corporation. Typewriting machine. 2,393,929; Mar. 5.
- Yager, Joseph S., Greenville, Miss. Wild goose and duck call. 2,396,359; Mar. 12.
- Yaggy, Bernard E., Waterloo, Iowa. Airplane landing gear. 2,404,018; July 16.
- Yale, Harry L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of allyl-type esters. 2,400,727; May 21.
- Yale, Harry L., and G. W. Hearne, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of acyclic ketones. 2,398,685; Apr. 16.
- Yale & Towne Manufacturing Company, assignee: *See*—
Carlliss, Oswald S.
Schroeder, Charles S.
Yale & Towne Manufacturing Company, The, assignee: *See*—
Framhein, Herbert J.
Johnstone, Theodore H.
Ledin, Charles.
Quayle, George.
Schroeder, Charles S.
Uliniski, Bronislaus.
- Yancey, Charles R., Dallas, Tex. Business form. 2,396,221; Mar. 5.
- Yanchenko, Basil J., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Riveter. 2,405,172; Aug. 6.
- Yandell, William H., Mariemont, Ohio; G. M. Bale, executive of W. H. Yandell, deceased. Power-driven hand plane. 2,395,158; Feb. 19.
- Yanka, Adolph J., University Park, Md. Valve for controlling distribution of fluids. 2,403,777; July 9.
- Yankun, Peter W., Dorchester, Mass. Combination tool. 2,403,254; July 2.
- Yanovsky, Elias: *See*—
Nichols, Philip L., Jr., Meiss, and Yanovsky.
- Yant, William P.: *See*—
Jackson, Carey B., Schneider, and Yant.
Murphy, Cornelius J., and Yant.
- Yant, William P., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Air purifying canister. 2,400,195; May 14.
- Yaut, William P., Murraysville, M. G. Jacobson, Verona, and J. P. Strange, Wilkinsburg, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Continuous electric gas testing. 2,401,287; May 28.
- Yantis, Roy C., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Ice tray. 2,401,894; June 11.
- Yard-Man, Inc., assignee: *See*—
Funk, Truman B.
- Yardeny, Michel N., New York, N. Y. Multirevolution electrical control system. 2,393,492; Jan. 22.
- Yardeny, Michel N., New York, N. Y. Remote-control apparatus. 2,403,161; July 2.
- Yardeny, Michel N., New York, N. Y. Control device. 2,405,628; Aug. 13.
- Yardeny, Michel N., New York, N. Y. Remote control apparatus with unidirectional stopping. 2,405,629; Aug. 13.
- Yardeny, Michel N., New York, N. Y. Delayed action relay. 2,410,325; Oct. 29.
- Yarrum, Incorporated, assignee: *See*—
Murray, Thomas E., Phelps, and Frischmann.
- Yates, Chapin W., Milford, and K. J. Yost, Westport, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Bullet distributor. 2,402,110; June 11.
- Yates, Edward S., and R. F. Gager, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized polyvinyl compositions. 2,399,456; Apr. 30.
- Yates, Edward W., and T. S. Armandroff, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Automatic pattern controlled milling machine. 2,412,549; Dec. 10.
- Yates, Robert B.: *See*—
Richardson, Donald E., and Yates.
- Yates, Sheppard B., Hamlet, N. C. Distributor for stokers. 2,408,358; Sept. 24.
- Yates, Tom L., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,401,449; June 4.
- Yawman Metal Products, Inc., assignee: *See*—
Yawman, Victor G.
- Yawman, Victor G., assignor to Yawman Metal Products, Inc., Rochester, N. Y. Method of making triggers. 2,404,118; July 16.
- Yeager, Frank W.: *See*—
Cubberley, Richard H., and Yeager.
- Yelda, John O., Herculaneum, assignor to Automatic Control Corporation, St. Louis, Mo. Switch mechanism and follow-up system. 2,395,604; Feb. 26.
- Yejoff, Paul P., Seattle, Wash. Game. 2,393,726; Jan. 29.
- Yellen, Joseph W., assignee: *See*—
Rossi, Peter.
- Yellin, Edward, Chicago, Ill. Container. 2,404,558; July 23.
- Yellott, John I., R. A. Ackley, and A. J. Rosenberger, Chicago, Ill., assignors to Republic Flow Meters Company, Chicago, Ill. Valve. 2,393,442; Jan. 22.
- Yellott, Kinloch N.: *See*—
Swartz, Milton D., and Yellott.
- Yeomans, Lucien I., and De W. Clausen, assignors to Lucien I. Yeomans, Inc., Chicago, Ill. Machine tool. 2,405,387; Aug. 6.
- Yeomans, Lucien I., Inc., assignee: *See*—
Yeomans, Lucien I., and Clausen.
- Yerkovich, Simon, Fairfield, Conn., assignor to Dictaphone Corporation, New York, N. Y. Phonograph. 2,409,006; Oct. 8.
- Yingling, Frank B., assignee: *See*—
Butts, Richard R.
- Yingling, Frank B., Hamilton, Ohio. Two-cycle internal-combustion engine. 2,393,852; Jan. 29.
- Yingling, Frank B., Hamilton, Ohio. Two-cycle internal-combustion engine. 2,401,677; June 4.
- Yngre, Victor, deceased, Highland Park, N. J., by L. M. Currie, executor, Rocky River, Ohio, assignor, by mesne assignments, to Bakelite Corporation. Odor stabilized plastic compositions. 2,394,417; Feb. 5.
- Yoch, August H., Melrose, Pa., assignor to Air Reduction Company, Incorporated. Billet nicking machine. 2,404,019; July 16.
- Yocum, Cleo G.: *See*—
Deurmeyer, Richard H., and Yocum.
- Yoder, Carl M., assignee, et al.: *See*—
Morris, Howard I.
- Yoder Company, The, assignee: *See*—
Ridder, Joseph U.
- Yoder, Harvey O., assignee, et al.: *See*—
Morris, Howard I.
- Yoder, William H.: *See*—
Brannigan, Thomas P., Raison, and Yoder.
- Yolo, Joseph, Yakima, Wash. Splice frog for temporarily joining motion-picture film sections. 2,409,092; Oct. 8.
- Yonkers, William A., Northfield Township, Cook County, Ill. Fuel delivery system for internal-combustion engines. 2,411,312; Nov. 19.
- York, Jones O., and J. C. Winslow, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Bomb selector. 2,399,530; Apr. 30.
- York, Otto H., Maplewood, assignor to Metal Textile Corporation, West Orange, N. J. Apparatus for producing annular compressed wire mesh units. 2,405,728; Aug. 13.
- York Research Corporation, assignee: *See*—
Read, Robert C., and Schlieben.
- Schlieben, Ernest W.
- Yost, Kenneth J.: *See*—
Yates, Chapin W., and Yost.
- Yost, Kenneth J., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Metal treating apparatus. 2,413,004; Dec. 24.
- Yost, Lloyd, San Gabriel, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Switch operating mechanism. 2,394,283; Feb. 5.
- Young, Arthur J., Danbury, England, assignor to Radio Corporation of America. Heat transferring means suitable for thermionic discharge apparatus. 2,406,121; Aug. 20.
- Young, Charles A., Springfield, Ohio. Firearm. 2,401,034; May 28.
- Young, Charles A., Springfield, Ohio. Combined release fire and straight fire gun. 2,406,980; Sept. 3.
- Young, Charles A., Springfield, Ohio. Combined release fire and straight fire gun. 2,406,981; Sept. 3.
- Young, Charles E., Kansas City, Mo. Portable burglar alarm. 2,407,122; Sept. 3.
- Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Scanning apparatus. 2,394,649; Feb. 12.
- Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Signal recording system. 2,412,810.
- Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Facsimile apparatus. 2,413,400; Dec. 3.
- Young, Charles M.: *See*—
Lawson, Archibald, and Young.
- Young, Clarence B. F., Flushing, N. Y. Fuel unit for producing colored flames. 2,398,571; Apr. 16.
- Young, Clarence F., Bellflower, Calif. Combination wall hook and socket. 2,394,832; Feb. 12.
- Young, Clinton J. T.: *See*—
Chubb, Lewis W., and Young.
- Young, D'Arcy A., Jr.: *See*—
McMaster, Archie J., and Young.
- Young, David A.: *See*—
Summerfield, Martin, and Young.
- Young, David A., Pasadena, and M. Summerfield, Arcadia, assignors to Aerojet Engineering Corporation, Azusa, Calif. Motor. 2,398,201; Apr. 9.
- Young, David W.: *See*—
Evans, Hector C., and Young.

- Young, David W., Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Chemical-resistant coating material. 2,409,336; Oct. 15.
- Young, David W., and T. J. Peters, Jr., Roselle, N. J., assignors to Standard Oil Development Company. Blended lubricating oils. 2,393,212; Jan. 15.
- Young, David W., Roselle, N. J., and H. D. Hindline, Mount Vernon, N. Y., assignors to Standard Oil Development Company. Preparation of an improved lubricant. 2,406,575; Aug. 27.
- Young, David W., Roselle, N. J., and E. Lieber, New York, N. Y., assignors to Standard Oil Development Company. Oil composition. 2,411,173; Nov. 19.
- Young, Don H., Valley Stream, assignor to Dictograph Products Company, Inc., New York, N. Y. Telephone system. 2,393,354; Jan. 22.
- Young, Donald M., assignor to American Steel Foundries, Chicago, Ill. Saubber. 2,396,547; Mar. 12.
- Young, Frank G., Jr.; *See* Boese, Albert B., Jr., and Young.
- Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Tube assembly machine for heat-exchange cores. 2,400,140; Oct. 29.
- Young, Fred M., and W. V. Astrup, assignors to Young Radiator Company, Racine, Wis. Oil and jacket coolant heat exchanger. 2,397,069; Mar. 19.
- Young, George H., assignor to Stoner-Mudge, Inc., Pittsburgh, Pa. Antifouling composition. 2,398,069; Apr. 9.
- Young, George J., Depew, N. Y. Divider attachment. 2,402,000; June 11.
- Young, George W., Bloomfield, N. J. Bank protector. 2,409,007; Oct. 8.
- Young, Harlan H., Chicago, Ill., and D. Rubinstein, Brookline, Mass., assignors to Industrial Patents Corporation, Chicago, Ill. Wax composition. 2,394,833; Feb. 12.
- Young, Harlan H., and K. H. Spitzmueller, assignors to Industrial Patents Corporation, Chicago, Ill. Detergent. 2,394,834; Feb. 12.
- Young, Harlan H., Chicago, Ill., and D. Rubinstein, Brookline, Mass., assignors to Industrial Patents Corporation, Chicago, Ill. Purifying of alkylolamides. 2,412,113; Dec. 3.
- Young, Harry S., South Williamsport, Pa. Sectional container. 2,412,024; Dec. 3.
- Young, Henry B., assignor to Mission Manufacturing Company, Houston, Tex. Piston. 2,402,268; June 18.
- Young, Henry S., Wilkesburg, assignor to The Union Switch & Signal Company, Erie, Pa. Railway traffic controlling apparatus. 2,395,706; Feb. 26.
- Young, Howard S., Fairville, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing ethylene. 2,394,960; Feb. 12.
- Young Iron Works, assignee: *See* Hansen, Arthur E.
- Young, James G., Shreveport, La., assignor to Bird & Son, Inc., East Walpole, Mass. Saturating fibrous sheet material. 2,407,756; Sept. 17.
- Young, John, Welland, Ontario, Canada. Arc furnace regulator switch. 2,406,479; June 18.
- Young, L. A., Spring & Wire Corporation, assignee: *See* Diegel, William.
- Leonartowicz, Michael J., and Anthony.
- Young, Leonard A.
- Young, Larry L., Norwalk, Conn. Light-directing device. 2,395,605; Feb. 26.
- Young, Leonard A., Detroit, Mich. Making garment hangers. 2,409,170; Oct. 8.
- Young, Leonard A., Detroit, Mich. Manufacturing safety razor blades. 2,409,604; Oct. 15.
- Young, Leonard A., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,392,022; Jan. 1.
- Young, Lloyd L., Patchogue, N. Y., assignor to Radio Corporation of America. Low-voltage high-current switch. 2,406,122; Aug. 20.
- Young, Lloyd W.; *See* Bucknam, James H., and Young.
- Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Television system. 2,401,384; June 4.
- Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation. Intelligence transmission system. 2,406,880; Sept. 3.
- Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation. Method and system for communicating intelligence. 2,406,881; Sept. 3.
- Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio impulse system. 2,406,882; Sept. 3.
- Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Method and means for transmitting intelligence. 2,407,336; Sept. 10.
- Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Reproduction of intelligence. 2,408,117; Sept. 24.
- Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Demodulator. 2,413,023; Dec. 24.
- Young Radiator Company, assignee: *See* Christensen, Donald W., and Sadlon.
- Skelly, Lawrence E., and Brinen.
- Young, Fred M.
- Young, Fred M., and Astrup.
- Young, Ray A., Willoughby, Ohio. Pin clutch arbor. 2,408,503; Oct. 1.
- Young, Richard C.; *See* Collar, Glenash E., and Young.
- Young, Richard V.; *See* Weissberger, Arnold, Kibler, and Young.
- Young, Richard V., assignor to Eastman Kodak Company, Rochester, N. Y. Making coupler dispersions. 2,401,718; June 4.
- Young, Robert A., Sioux City, Iowa, assignor to Sellstrom Manufacturing Company, Chicago, Ill. Protector. 2,398,269; Apr. 9.
- Young, Roger D., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Heat shield. 2,403,203; July 2.
- Young, Roger W., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring apparatus. 2,412,665; Dec. 17.
- Young, Rogers G., St. Petersburg, Fla. Finger rest. 2,392,626; Jan. 8.
- Young, William F., assignee: *See* Sinclair, James McG.
- Young, William F., and F. C. Iglehart, Wilkinsburg, assignors to Veevinghouse Electric Corporation, East Pittsburgh, Pa. Electrically actuated contactor. 2,397,228; Mar. 26.
- Young, William H.; *See* Paley, Lewis A., and Young.
- Young, William R., Fairfield, Conn., assignor to General Electric Company. Fixture for tubular lamps. 2,399,531; Apr. 30.
- Young, William R., Fairfield, Conn., assignor to General Electric Company. Tubular electric lamp and holding means therefor. 2,400,381; May 14.
- Young, William R., Jr.; *See* Bacon, Walter M., and Young.
- Youngsack, Reginald W., Vancouver, British Columbia, Canada. Turbine. 2,396,068; Mar. 5.
- Youngblood, Don C., Chicago, Ill., and B. D. Ashbaugh, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Apparatus for feeding preforms to injection machines. 2,413,401; Dec. 24.
- Younge, Dubose, et al., assignee: *See* Barber, Lonnie.
- Youndgahl, Lyle P., assignee: *See* Berry, Burt L.
- Younghusband, James L., Chicago, Ill. Make-up and sponge container. 2,401,127; May 28.
- Younghan, Robert T., Aldershot, England. Air brake for aircraft. 2,392,443; Jan. 8.
- Youngequist, Carl G.; *See* Freund, Herman R., and Youngquist.
- Youngequist, Robertson; *See* Truax, Robert C., Stiff, Schubert, Patton, and Youngquist.
- Youngevick, Harold T., Lansing, assignor to General Motors Corporation, Detroit, Mich. Disintegrating link for airplane cannon. 2,392,280; Jan. 1.
- Youngstown Sheet and Tube Company, The, assignee: *See* Gettig, Martin S., and Engelbaugh.
- Youngstown Steel Door Company, The, assignee: *See* Ditchfield, Frank.
- Doyle, Arthur J.
- Madland, Thorvald.
- Young & Moulding & Engineering Co., assignee: *See* McKee, Stanley H.
- Youngstrom, Axel H., Minneapolis, Minn. Multiple filing spindle. 2,407,732; Sept. 17.
- Yount, Willis H.; *See* Maloon, Carl B., and Yount.
- Youtz, Merrill A., assignor to The Drackett Company, Cincinnati, Ohio. Decolorizing protein. 2,397,307; Mar. 26.
- Yoxon, George H. B.; *See* Pearce, William G. M., and Yoxon.
- Xuan, Luke Chia-Liu, Pasadena, and C. E. Miller, Glendale, assignors to California Institute Research Foundation, Pasadena, Calif. Short wave direction finder. 2,410,917; Nov. 12.
- Yuhas, Joseph, North Braddock, Pa. Cinder notch cooler clamp. 2,409,337; Oct. 15.
- Yuhas, Marie, Chicago, Ill. Starter arrangement for split-phase motors. 2,411,405; Nov. 19.
- Yull, William M., Edinburgh, Scotland. Method of and apparatus for packing or canning food and other plastic substances. 2,393,853; Jan. 29.
- Yujulco, Pedro S.; *See* Brown, Dayton T., Yujulco, and Moore.
- Yule, John A. C.; *See* Murray, Alexander, and Yule.
- Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Line and halftone reproduction. 2,407,211; Sept. 3.

- Yule, John S., assignor to The Pure Oil Company, Chicago, Ill. Lubricant having high film strength. 2,394,734; Feb. 12.
- Yule, John S., assignor to The Pure Oil Company, Chicago, Ill. Cutting oil. 2,394,735; Feb. 12.
- Yungblut, Gibson, Cincinnati, assignor to The Gardner-Richardson Company, Middletown, Ohio. Reclosable carton. 2,395,310; Mar. 12.
- Yzetta, Ernesto N., assignor to Guillermo Kraft Limitada Sociedad Anonima de Impresiones Generales, Buenos Aires, Argentina. Rotary tray file. 2,411,950; Dec. 3.
- Zabel, Robert L., Louisville, Ky. Septic tank clear water discharge system. 2,406,559; Aug. 27.
- Zabriskie, William F., assignor to Gabriel Steel Company, Detroit, Mich. Barrel storage rack. 2,406,937; Sept. 3.
- Zaccaria, Joseph M., assignee: *See*—Bocchicchio, Alfio.
- Zademach, Erich K., Elizabeth, and W. W. Clarke, Summit, assignors to Metalwash Machinery Company, Newark, N. J. Shaft bearing seal. 2,409,922; Oct. 22.
- Zahara, Walter, Chicago, Ill. Collapsible tube. 2,401,784; June 11.
- Zahl, Harold A., Fort Monmouth, N. J. Locating objects by heat radiation. 2,392,873; Jan. 15.
- Zahodiaki, Victor F., Forest Hills, N. Y. Piston ring. 2,397,636; Apr. 2.
- Zahodiaki, Victor F., Short Hills, N. J. Segmental piston ring. 2,398,220; Apr. 9.
- Zahodiaki, Victor F., Short Hills, N. J. Control mechanism. 2,398,875; Apr. 23.
- Zaiger, Max, assignee: *See*—Nesson, Israel.
- Zalkowsky, Waldimir M., assignor, by mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif. Apparatus for gas analysis. 2,393,674; Jan. 29.
- Zaiser, William, Rockville Centre, assignor to New York & Brooklyn Casket Co., Brooklyn, N. Y. Casket handle. 2,393,443; Jan. 22.
- Zaisser, William, Woodside, assignor of one-half to H. S. Walker, New York, N. Y. Making paints, plastics, and the like. 2,396,910; Mar. 19.
- Zajott, Adolfo, and C. Tellini, Venice, Carpenedo, Italy; vested in the Alien Property Custodian. Utilizing maize cane and sorghum. 2,404,762; July 23.
- Zakariás, Imre: *See*—Rósa, Laszlo, and Zakariás.
- Zaleske, Michael J., Union, N. J., assignor to Ideal Clamp Manufacturing Co., Inc., New York, N. Y. Hose clamp. 2,392,210; Jan. 1.
- Zaleski, John J.: *See*—Rudy, John E., and Zaleski.
- Zalkind, Joseph, New York, N. Y. Pegging and aligning means. 2,395,487; Apr. 16.
- Zalkind, Philip, New York, N. Y. Collapsible container. 2,396,140; Mar. 5.
- Zalkind, Philip, New York, N. Y. Joint for collapsible containers. 2,399,590; Apr. 30.
- Zalkind, Philip, New York, N. Y. Container, materials, and parts therefor. 2,406,125; Aug. 20.
- Zalkind, Philip, New York, N. Y. File cabinet interlock and reinforcing element. 2,410,700; Nov. 5.
- Zalkind, Philip, New York, N. Y. Container-drawer stop and aligning means. 2,410,701; Nov. 5.
- Zamboni, Frank J., Hynes, Calif. Ice rink. 2,411,919; Dec. 3.
- Zancan, Ottavio, New York, N. Y. Shift lever for transmissions. 2,403,162; July 2.
- Zand, Stephen J.: *See*—Maybarduk, Leon A., Mieber, Zand, and White.
- Zander, Jason M., Chicago, assignor to Chicago Vitreous Enamel Product Company, Cicero, Ill. Electrical resistor and making same. 2,398,686; Apr. 16.
- Zanolli, David, San Francisco, Calif. Dispenser. 2,404,119; July 16.
- Zap, Edward F., Los Angeles, Calif. Control system for airplanes. 2,402,001; June 11.
- Zap, Edward F., Los Angeles, Calif. Variable wing construction. 2,404,895; July 30.
- Zap, Edward F., Los Angeles, Calif. Airplane wing construction. 2,405,726; Aug. 13.
- Zap, Edward F., Los Angeles, and H. E. Dale, Hermosa Beach, Calif., said Dale assignor to said Zap. Aerodynamic control for airplanes. 2,393,444; Jan. 22.
- Zapp, Frederick M., Brooklyn, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. X-ray inspection of bodies. 2,396,069; Mar. 5.
- Zappia, Anthony T.: *See*—Samuelson, Otto H., and Zappia.
- Zappono, Charles F., Greensburg, assignor to Paragon Manufacturing Company, New Derry, Pa. Ammunition time fuse. 2,405,065; July 20.
- Zarowin, Albert A., Brooklyn, N. Y. Key holder. 2,394,507; Feb. 5.
- Zarth, Charles K., assignor to Wingfoot Corporation, Akron, Ohio. Bead lock ring and assembly. 2,409,410; Oct. 15.
- Zarth, William A., East Orange, N. J., assignor to Dictograph Products Company, Inc., New York, N. Y. Bone conduction audiphone. 2,402,480; June 18.
- Zatzkin, Jack, Brooklyn, N. Y. Bed springs bracket. 2,394,352; Feb. 5.
- Zavarella, Arthur, Agawam, and L. McPheters, Springfield, Mass., assignors to the Government of the United States of America, as represented by the Secretary of War and his successors in office. Impact testing device. 2,398,458; Apr. 16.
- Zdanatis, Vit, Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Cover sealing pressure cookers. 2,405,778; July 9.
- Zdanciewicz, Vincent F., Lynn, Mass. Coating device. 2,412,954; Dec. 24.
- Zdanowich, Richard: *See*—Wilson, Thomas S., and Zdanowich.
- Zech, John D.: *See*—Reiff, Orland M., and Zech.
- Zedler, Arthur O., Yonkers, N. Y. Full display flag holder. 2,409,411; Oct. 15.
- Zeek, Elwood R., Paterson, assignor to Specialties Development Corporation, Bloomfield, N. J. Method of and apparatus for separating fluids. 2,402,196; June 18.
- Zehrbach, Edgar L., Lima, Ohio. Reaming. 2,406,938; Sept. 3.
- Zehring, Lew F., Dayton, Ohio. Register closure for bottles. 2,400,328; May 14.
- Zeibig, Bruno H., Fenton, Mich. Fish lure. 2,394,132; Feb. 5.
- Zeidler, Kurt E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler centering device. 2,409,093; Oct. 8.
- Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread controlling means for sewing machines. 2,413,277; Dec. 24.
- Zeigler, Albert H.: *See*—Smith, Albert M. and, R. W., and Zeigler.
- Zeigler, Delbert L., assignor to Woodward Governor Company, Rockford, Ill. Governor. 2,410,474; Nov. 5.
- Zeigler, Paul P., and L. E. Householder, Louisville, Ky., assignors to Reynolds Metals Company, Richmond, Va. Corrosion-resistant high-strength alloys, and method. 2,403,037; July 2.
- Zeigler, William L., Wallace, and C. Y. Garber, Kellogg, Idaho, assignors to The Sink & Float Corporation, New York, N. Y. Combined vibratory scrubber, stratifier, and screen for minerals. 2,410,326; Oct. 29.
- Zeiss, Harold H., assignor to Ribbo Laboratories, Inc., Paterson, N. J. Treatment of rosin. 2,394,416; Feb. 5.
- Zeit, Arthur H., assignor of one-half to C. S. Foreman, Kansas City, Mo. Bending apparatus. 2,406,182; Aug. 20.
- Zell, Julius S., Portland, Oreg. Vertically adjustable bifocal spectacles. 2,410,141; Oct. 29.
- Zellbeck, Gustav, and A. Müller, Munich, Germany; vested in the Alien Property Custodian. Manufacture of blades for exhaust turbines. 2,394,353; Feb. 5.
- Zeller, Wilbur U., U. S. Army, New York, N. Y. Collapsible contact printer. 2,404,821; July 30.
- Zellerbach Paper Company, assignee: *See*—Budge, Edward D., Hunt, and Lent.
- Zelvy, Victor L., Rosemont, Pa. Electrical device. 2,410,018; Nov. 5.
- Zemen, Alexander, Baltimore, Md. Piston and connecting rod mechanism. 2,404,470; July 23.
- Zender, Juna, assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Process and apparatus for dialyzing solutions. 2,411,238; Nov. 19.
- Zenick, Raymond G., Burbank, Calif. Drill grinding attachment. 2,411,609; Nov. 26.
- Zenith Radio Corporation, assignee: *See*—Blauvelt, Ralph C.
- Emde, Kurt.
- Gustafson, Gilbert E.
- Passow, Edward B.
- Phillips, Willis E.
- Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Projector for page printers. 2,403,320; July 2.
- Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,403,339; July 16.
- Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Projector for page printers. 2,405,173; Aug. 6.
- Zeno, Samuel, McKeesport, Pa. Scaffold. 2,396,070; Mar. 5.
- Zephyr Manufacturing Co., assignee: *See*—Trautmann, Herbert I.
- Zephyr-Wayne Company, assignee: *See*—Edwards, Beryl A., and Duer.
- Zerbe, Lewis E., Los Angeles, Calif. Lock washer. 2,392,714; Jan. 8.
- Zera, Warren B., Pottstown, Pa. Work stand. 2,400,862; May 21.
- Zerner, Ernst, G. D. M. Davies, and P. I. Pollak, assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Finishing textile materials, particularly to render the same water repellent. 2,413,024; Dec. 24.
- Zerner, Ernst, New York, and W. Kaplan, Brooklyn, assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Surface active agents. 2,413,161; Dec. 24.

- Zerweck, Werner, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Vat dyestuffs of the anthraquinone series. 2,392,794; Jan. 8.
- Zesbaugh, Lawrence G., *See*—
- O'Neil, John G., and Zesbaugh.
- Zesbaugh, Lawrence G., assignor to Perma-Seal Closure Co., St. Paul, Minn. Method and apparatus for forming screw caps. 2,395,209; Feb. 19.
- Zesbaugh, Lawrence G., Minneapolis, Minn., assignor, by mesne assignments, to Perma-Seal Closure Co. Method and apparatus for making caps or covers. 2,407,465; Sept. 10.
- Zetnick, Paul F., Chicago, Ill., assignor to Associated Spring Corporation, Bristol, Conn. Piston ring expander. 2,397,900; Apr. 2.
- Zeun, Louis H., assignor to Peter Paul, Inc., Naugatuck, Conn. Desiccating apparatus. 2,411,179; Nov. 19.
- Zibelman, Frank A., Chicago, Ill. Toy telephone. 2,399,972; May 7.
- Zicke, Anthony, San Bruno, Calif. Display character. 2,406,124; Aug. 20.
- Zieholz, Herbert, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill. Control for primary and secondary fuels. 2,395,384; Feb. 19.
- Zieholz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Apparatus for continuously predicting a trend in observed data. 2,398,987; Apr. 23.
- Zieholz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Apparatus for detecting trends in observed data. 2,398,988; Apr. 23.
- Zieholz, Herbert, assignor, by mesne assignments, to Electronbeam, Ltd., Chicago, Ill. Electronic translating device. 2,399,420; Apr. 30.
- Zieholz, Herbert, J. D. McCracken, and D. T. Gundersen, assignors to Askania Regulator Company, Chicago, Ill. Automatic boiler control system. 2,392,300; Jan. 1.
- Ziegler, Crawford; *See*—
- Hartnett, George J., and Ziegler.
- Ziegler, Eugene R., Spencerport, assignor to Ritter Company, Inc., Rochester, N. Y. Reeling mechanism. 2,401,809; June 11.
- Ziegler, Eugene R., Spencerport, assignor to Ritter Company, Inc., Rochester, N. Y. Electrical heating device. 2,403,163; July 2.
- Ziegler, Marc, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Detecting frequency modulated waves. 2,396,860; Mar. 12.
- Ziegler, Marc, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Synchronizing a plurality of oscillations. 2,405,771; Apr. 13.
- Ziegler, Marc, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Reception of frequency modulated waves. 2,407,863; Sept. 17.
- Ziegler, Marc, J. F. Visscher, and L. J. Cavallero, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency stabilizing system. 2,406,125; Aug. 20.
- Ziegler, Marc, and M. J. Kobylski, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency stabilization. 2,406,309; Aug. 20.
- Ziehl, Otho A., Union, assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Metallic bronze paste or powder pigments and manufacturing the same. 2,399,705; May 7.
- Zielinski, Leon; *See*—
- Gladden, John N., and Zielinski.
- Zienty, Ferdinand B.; *See*—
- Kyrides, Lucas P., and Zienty.
- Zieschang, Richard, assignor to The Pyrene Company Limited, Bradford, England. Fire-extinguishing pump. 2,401,785; June 11.
- Zimba Kola Co., Incorporated, assignee; *See*—
- Singer, Harriett C.
- Zimbelman, George W., and J. Cherry, Signal Mountain, assignors to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Heater. 2,411,313; Nov. 19.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Safety operating handle for car door mechanism. 2,407,912; Sept. 17.
- Zimmer, John C.; *See*—
- Reinholdschweiler, Emil L., and Zimmer.
- Davis, Garland H. B., and Zimmer.
- Sproule, Lorne W., and Zimmer.
- Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Composition of matter. 2,398,271; Apr. 9.
- Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Chemical products and preparing same. 2,405,482; Aug. 6.
- Zimmerli, Adolph, Highland Park, N. J. Producing nicotine acid. 2,394,650; Feb. 12.
- Zimmerman, Charles E., assignee; *See*—
- Skold, John F.
- Zimmerman, Charles E., Chicago, Ill. Wash pad manufacture. 2,394,419; Feb. 5.
- Zimmerman, Charles H., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Pilot compartment. 2,403,838; July 9.
- Zimmerman, Charles H., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Control column for prone positioned pilots. 2,411,770; Nov. 26.
- Zimmerman, Gordon B., assignor to Universal Oil Products Company, Chicago, Ill. Removal of hydrogen halides from hydrocarbon conversion products. 2,401,218; June 4.
- Zimmerman, Gordon B., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,412,025; Dec. 3.
- Zimmerman, Gordon B., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Production of high antiknock fuel. 2,404,340; July 16.
- Zimmerman, Harry, New York, N. Y. Whistling toy. 2,393,445; Jan. 22.
- Zimmerman, Harry, New York, N. Y. Noise-making airplane toy. 2,404,265; July 16.
- Zimmerman, Merle A., Elizabeth, N. J. Apparatus for rectification, absorption, or gas scrubbing. 2,394,133; Feb. 5.
- Zimmerman, William R., Hubbard, Ohio. Apparatus for measuring molten metal temperatures. 2,397,901; Apr. 2.
- Zimmermann, Carl F., assignor to Aerostream Pneumatic Conveyers, Inc., Chicago, Ill. Exhauster. 2,404,203; July 16.
- Zimmermann, Hans J., assignor to Mercury Clutch Corporation, Canton, Ohio. Radial pressure clutch. 2,400,586; May 21.
- Zimmermann, Hans J., assignor to Mercury Clutch Corporation, Canton, Ohio. Engaging and disengaging mercury clutch. 2,412,378; Dec. 10.
- Zimmermann, Robert, assignor to Hall Young Kaighin, New York, N. Y. Bevel gear gauge for back to crown dimensions. 2,398,171; Apr. 9.
- Zimmern, Bennie, New York, N. Y. Bottle cover. 2,400,820; Oct. 22.
- Zimola, William J.; *See*—
- Biggs, Leonard R., and Zimola.
- Zingsheim, Edward W.; *See*—
- Peterson, Carl D., and Zingsheim.
- Ziniti, Evelyn, New York, N. Y. Shoe construction. 2,413,481; Dec. 31.
- Zink, William L., Plano, and V. O. Hauswirth, Kankakee, assignors to Sears, Roebuck and Co., Chicago, Ill. Hitch. 2,400,145; May 14.
- Zink, Roy H., Oak Park, and T. P. Newman, Geneva, assignors to Craun Co., Chicago, Ill. Liner for water tanks. 2,395,606; Feb. 26.
- Zinn, Julius A., Jr., Belmont, Mass. Liquidproof fibero-board carton with bellows closure. 2,412,666; Dec. 17.
- Zint, George, Wapakoneta, Ohio. Cigarette rolling machine. 2,403,888; Aug. 6.
- Zint, George, Wapakoneta, Ohio. Moistening device for gummed cigarette papers. 2,405,804; Aug. 13.
- Zipprott, Incorporated, assignee; *See*—
- Pergande, George F.
- Ziska, Adam, Wauwatosa, assignor to Peerless Machine Company, Racine, Wis. Metal sawing machine. 2,412,311; Dec. 10.
- Ziskal, Joseph F.; *See*—
- Rogers, Clifford R., Bechman, and Ziskal.
- Zitrin, Jack I., Newark, N. J. Sliding window or screen. 2,392,715; Jan. 8.
- Zitz, Val, assignee; *See*—
- Ethridge, John H.
- Zivny, Joseph C.; *See*—
- Briskin, Theodore S., Zivny, Shellschmidt, and Golick.
- Zobell, Claude E., La Jolla, Calif., assignor to American Petroleum Institute, New York, N. Y. Bacteriological treatment of fluid-bearing earth formations. 2,413,718; Dec. 24.
- Zoeller, Herman J.; *See*—
- Macke, Robert A., and Zoeller.
- Zoerlein, Carl; *See*—
- Ford, Henry, and Zoerlein.
- Zollkofer, Otto, St. Gallen, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Loom with big weaving width. 2,413,672; Dec. 31.
- Zolman, George R.; *See*—
- Ryan, Joseph D., and Zolman.
- Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Driving device. 2,412,114; Dec. 3.
- Zorich, Stephen, Covington, Ky., assignor of ten percent to E. E. Peters, ten percent to C. E. Briede, ten percent to C. E. Tumulty, and ten percent to F. H. Tumulty. Rotary engine. 2,392,211; Jan. 1.
- Zottu, Paul D., Indian Hills, assignor to The Girdler Corporation, Louisville, Ky. Voltmeter. 2,412,191; Dec. 3.
- Zuber, Clarence F., assignor to Acme Visible Records, Inc., Chicago, Ill. Holder for cards and photographs. 2,403,701; July 9.
- Zuber, John G., assignor to The Bell & Howell Company, Chicago, Ill. Photographic camera. 2,392,212; Jan. 1.

- Zublin, Ernest W., Sausalito, E. R. White, Albany, and E. R. Barnum, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Anticorrosive. 2,398,202; Apr. 9.
- Zublin, John A., Los Angeles, Calif. Well casing for lateral bores. 2,397,070; Mar. 19.
- Zublin, John A., Los Angeles, Calif. Flexible pipe section and coupling therefor. 2,402,003; June 11.
- Zublin, John A., Los Angeles, Calif. Producing oil and retaining gas through deviating bores. 2,404,341; July 16.
- Zucker, Milton: *See*—
Ransom, Olive S., and Zucker.
- Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Multicolor printing machine. 2,400,966; May 28.
- Zucrow, Maurice J.: *See*—
Large, Charles B., Zucrow, and Hirsch.
- Zuidema, Hilbert H., Edwardsville, and J. E. Mital, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Blended gasoline. 2,402,863; June 25.
- Zulkoski, Bruno P., Weirton, W. Va. Device for raising toilet seats. 2,410,854; Nov. 12.
- Zurcher, Paul, Ponca City, Okla., assignor to Continental Oil Company. Paint. 2,402,864; June 25.
- Zurcher, Paul, Ponca City, Okla., assignor to Continental Oil Company. Paint. 2,403,423; July 2.
- Zuschlag, Adam, Transfer, Pa. Detachable handle. 2,400,800; May 21.
- Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Magnetic analysis. 2,398,483; Apr. 16.
- Zuschlag, Theodore, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Demagnetizing apparatus. 2,403,424; July 2.
- Zweifel, Otto, assignor to Aktiengesellschaft, Brown, Boveri & Cie, Baden, Switzerland. Blade arrangement for axial compressors. 2,406,126; Aug. 20.
- Zwickl, Joseph R., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Refrigeration system. 2,392,894; Jan. 15.
- Zwickl, Joseph R., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Purging system for refrigerating systems. 2,400,620; May 21.
- Zworykin, Vladimir K., Philadelphia, Pa., and J. Hillier, Cranbury, N. J., assignors to Radio Corporation of America. Electronic vibration detecting apparatus. 2,406,952; Sept. 3.
- Zworykin, Vladimir K., Philadelphia, Pa., and A. W. Vance, Haddonfield, N. J., assignors to Radio Corporation of America. Radio gunfire control. 2,409,462; Oct. 15.
- Zyta, Leon H., Cleveland Heights, Ohio, assignor to General Electric Company. Starting control for electric discharge devices. 2,398,128; Apr. 9.

LIST OF DESIGN PATENTEES

- AMP Corporation, assignee: *See*—
Thompson, Parke H.
- Abbott, Earl E., Science Hill, Ky. Cedar chest or similar article. 144,017; Mar. 5.
- Abel, Roberta H., Jeffersonstown, Ky. Ladle. 145,830; Oct. 29.
- Abell Chair & Novelty Mfg. Co., Inc., assignee: *See*—
Lerner, George.
- Abell, Ellen H., Metuchen, N. J. Pastry shell frame or insert. 144,093; Mar. 12.
- Abelson, Frank, New York, N. Y. Handle for tray or the like. 145,280; July 30.
- Abelson, Frank, New York, N. Y. Handle for tray or the like. 145,281; July 30.
- Abicht, Augusta; *See*—
Fisk, Ruth L., and Abicht.
- Academy Award Products, Inc., assignee: *See*—
Harwood, Wallace.
- Acosta, Robert J., Philadelphia, Pa. Brooch or similar article. 144,853; June 4.
- Adams, Arthur F., and N. S. Barger, Chicago, Ill. Radio loud speaker housing or similar article. 145,765; Oct. 22.
- Adams, Harry K., Spokane, Wash. Desk writing unit. 147,064; Dec. 17.
- Adams, James D., Pittsfield, N. H. Shoe. 143,697; Feb. 5.
- Adams, Wilbur H., assignor to Erie Meter Systems, Inc., Erie, Pa. Service station island or the like. 144,669; May 14.
- Adams, Wilbur H., assignor to Erie Meter Systems, Inc., Erie, Pa. Dispensing unit for filling stations. 144,752; May 21.
- Addressograph-Multigraph Corporation, assignee: *See*—
Parks, Russell V.
- Adel Precision Products Corp., assignee: *See*—
Kirby, Raymond J.
- Storm, Frederick K.
- Adler, Allan, Burbank, Calif. Spoon or similar article. 144,763; May 21.
- Adler, Benjamin H., Chicago, Ill. Steak platter or similar article. 145,500; Sept. 3.
- Adolf, Louis L., assignor to Comptone Company, New York, N. Y. Front piece for eyeglasses. 145,282; July 30.
- Adolf, Raymond L., Galesburg, Ill., assignor to R. L. Adolf and V. E. Gropp, a partnership doing business as Wee Folks Furniture Company, St. Louis, Mo. Combined crib and utility cabinet. 144,670; May 14.
- Adolf, Raymond L., Galesburg, Ill., assignor to R. L. Adolf and V. E. Gropp, a partnership doing business as Wee Folks Furniture Company, St. Louis, Mo. Combined nursery bathstand and utility cabinet. 144,671; May 14.
- Adrian, Matthew B., Milwaukee, Wis. Foot X-ray machine. 145,864; Nov. 5.
- Aerl, Inc., assignee: *See*—
Todd, Earl.
- Aerojet Engineering Corporation, assignee: *See*—
Baker, John C.
- Morgan, Harry W.
- Agency Paper Company, assignee: *See*—
Cohen, Meyer.
- Aiken, Percy, Minneapolis, Minn. Height gauge. 144,475; Apr. 23.
- Aikler, Mark D., Winnetka, Ill. Scissors. 144,270; Apr. 2.
- Ajoro, Fortunato S., Chicago, Ill. Desk unit or the like. 145,878; Nov. 12.
- Alamo Pottery, Inc., assignee: *See*—
Homan, Harold T.
- Aldrich, Harold F.; *See*—
Winslow, Richard H., Bloom, and Aldrich.
- Aldridge, Albert E., Elkins Park, assignor to Sun Oil Company, Philadelphia, Pa. Combined dispensing and article display cabinet. 144,476; Apr. 23.
- Aleks, Vrant, assignor to Ebaloy, Incorporated, Rockford, Ill. Mailbox. 145,608; Sept. 24.
- Aleshin, Evelyn, San Francisco, Calif. Doll head. 145,865; Nov. 5.
- Aleshin, Evelyn, San Francisco, Calif. Doll head. 145,866; Nov. 5.
- Alexander, Seal T., Vista, Calif. Armored motorcycle. 144,344; Apr. 9.
- All-Best Specialties Corp., assignee: *See*—
Siegel, Harry.
- Allen, Everett W., et al., assignee: *See*—
Eans, Edwaco, C.
- Allen, Grosvenor N., Oneida, and M. P. Fleming, Fulton, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 145,150; July 9.
- Allen, Grosvenor N., Oneida, and M. P. Fleming, Fulton, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 146,128; Dec. 31.
- Allen, Robert L., Battle Creek, Mich. Cab body or the like. 145,414; Aug. 20.
- Allen, Robert L., and J. P. Gardner, Battle Creek, Mich. Cab body or the like. 144,672; May 14.
- Allied Plastics Company, assignee: *See*—
Crane, Walton E.
- Elliott, Donald D.
- Alpern, Henrietta, New York, N. Y. Dress. 143,891; Feb. 19.
- Alport, Inc., assignee: *See*—
Smith, Edith A.
- Alter, Alfred, Company, assignee: *See*—
Alter, Alfred I.
- Alter, Alfred I., Wilton, Conn., assignor to Alfred Alter Company, New York, N. Y. Table lamp. 145,557; Sept. 10.
- Altman, Abraham, Brooklyn, N. Y. Bottle display package. 143,386; Jan. 1.
- Altman, Irving, New York, N. Y. Game board. 145,501; Sept. 3.
- Altman, Peter, Detroit, Mich. Airplane. 144,018; Mar. 5.
- Altman, Peter, Detroit, Mich. Airplane. 144,019; Mar. 5.
- Altman, Peter, Detroit, Mich. Airplane. 144,020; Mar. 5.
- Altman, Peter, Detroit, assignor to Continental Motors Corporation, Muskegon, Mich. Portable engine power unit and housing assembly. 143,784; Feb. 12.
- Altman, Peter, Detroit, assignor to Continental Motors Corporation, Muskegon, Mich. Portable engine power unit housing. 143,785; Feb. 12.
- Aluminum Cooking Utensil Company, assignee: *See*—
Guld, Lurelle.
- Aluminum Cooking Utensil Company, The, assignee: *See*—
Guld, Lurelle.
- Alvin Corporation, The, assignee: *See*—
Price, James R.
- Amendola, Mario J., Los Angeles, Calif. Garden cultivator. 143,787; Feb. 12.
- American Blower Corporation, assignee: *See*—
Koch, John B.
- American Display Company, The, assignee: *See*—
Dunkelberger, Milton S.
- American Glass Corporation, assignee: *See*—
Lowitz, Herman.
- American Machine and Metals, Inc., assignee: *See*—
Miller, Herchel W.
- American Metal Crafts Company, assignee: *See*—
Kelliber, Thomas.
- American Optical Company, assignee: *See*—
Hutemeyer, Herman F.
- American Seating Company, assignee: *See*—
Bond, Willard H., Jr.
- Ames, Adina, Milwaukee, Wis. Combined plant container and support. 145,917; Nov. 19.
- Am, George H., Indianapolis, Ind. Costumer. 143,698; Feb. 5.
- Anderson, Carl G., and L. G. Livesay, Pryor, Okla. Game board. 144,149; Mar. 19.
- Anderson, Fred E., Sheridan, Oreg. Portable power driven hand tool unit. 145,346; Aug. 6.
- Anderson, George W., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 145,766; Oct. 22.
- Anderson, George W., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 145,767; Oct. 22.
- Anderson, Gordon R., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Dynamo-electric machine. 144,231; Mar. 26.
- Anderson, Olof V., Cowesett, R. I. Collar holder. 145,283; July 30.
- Anderson, Olof V., Cowesett, R. I. Collar holder. 145,284; July 30.
- Anderson, Ray S., Bessemer, Ala. Medicine applicator or similar article. 144,280; Apr. 2.
- Anderson, Robert W., Veehawken, assignor to Keuffel & Esser Company, Hoboken, N. J. Symbol template. 144,094; Mar. 12.
- Anderson, Thomas F., assignor to The Sanymetal Products Co., Cleveland, Ohio. Shower cabinet. 145,374; Aug. 13.
- Andreoli, Mario, Providence, R. I. Brooch. 144,444; Apr. 16.
- Andresen, Raymond H., assignor to Peerless Tool & Engineering Co., Chicago, Ill. Drill press or similar article. 144,827; May 28.
- Andrews, Charles T., Toronto, Ontario, Canada, assignor to Multiple Displays, Inc., New York, N. Y. Display device. 145,768; Oct. 22.
- Ansell, Frank E., Brooklyn, N. Y. Bottle. 144,884; June 4.

- Anselman, Edward J., assignor to Setney Products Company, Chicago, Ill. Game board. 144,281; Apr. 2.
- Anton, Evan J.: *See*—
- Marcus, Samuel, and Anton.
- Appel, Richard, Kew Gardens, N. Y. Wheeled ladder toy. 144,150; Mar. 19.
- Aquilino, Antonio, Providence, R. I. Brooch. 145,707; Oct. 15.
- Aquilino, Antonio, Providence, R. I. Brooch. 145,708; Oct. 15.
- Argus, Incorporated, assignee: *See*—
- Van den Broek, Jan A.
- Armour Research Foundation, assignee: *See*—
- Camras, Marvin.
- Armstrong, Merle M., San Francisco, Calif. Footstool. 145,415; Aug. 20.
- Armstrong, Peter V., assignor to Federal Machine and Welder Company, Warren, Ohio. Glider. 145,769; Oct. 22.
- Armstrong, Peter V., assignor to Federal Machine and Welder Company, Warren, Ohio. Glider. 145,918; Nov. 19.
- Armstrong, Peter V., assignor to Federal Machine and Welder Company, Warren, Ohio. Glider. 145,919; Nov. 19.
- Armstrong, Peter V., assignor to Federal Machine and Welder Company, Warren, Ohio. Glider. 145,920; Nov. 19.
- Arnold, Harold, Jr., assignee: *See*—
- Lessler, Hyman H.
- Arnold, Harold G., Wooster, Ohio. Roly-poly toy. 145,050; Mar. 25.
- Arnold, William, Washington, D. C. Tobacco smoking pipe for women. 143,786; Feb. 12.
- Arons, George R.: *See*—
- Heilbronner, Hedwig, and Arons.
- Arpels, Claude, New York, N. Y. Combined wrist watch and holder strap therefor. 145,831; Oct. 29.
- Arpin, Leonard G., Montclair, N. J. Hat or similar article. 144,151; Mar. 19.
- Art-Flex Fashions, assignee: *See*—
- Kalisher, Benjamin.
- Art Metal Company, The, assignee: *See*—
- Glatthar, George E., and Terr.
- Artzt, Peter, New York, N. Y. Hourglass unit. 145,375; Aug. 13.
- Asch, Howard, New York, N. Y. Lamp or similar article. 144,828; May 28.
- Asch, Howard, New York, N. Y. Lamp or similar article. 146,063; Dec. 10.
- Ash, George T., Washington, D. C. Pipe. 144,346; Apr. 9.
- Ash, George T., Washington, D. C. Pipe. 144,435; Apr. 9.
- Associated Card and Stationery Company, assignee: *See*—
- Little, Sara.
- Atkinson, Howard L., Green Bay, Wis. Combination can punch and sealer. 143,387; Jan. 1.
- Atlas Instrument Company, assignee: *See*—
- Clark, Joseph C.
- Auchard, Dwight M., Vallejo, Calif. Push toy. 145,502; Sept. 3.
- Autogiro Company of America, assignee: *See*—
- Stanley, Paul H.
- Automatic Electric Laboratories, Inc., assignee: *See*—
- Obergfell, Herbert F.
- Autopoint Company, assignee: *See*—
- Beckstrom, Garfield L.
- Autoyre Company, Incorporated, The, assignee: *See*—
- Simpson, Paul F.
- Aviation Corporation, The, assignee: *See*—
- Coleman, John D.
- Ayres, Francis L., assignor to Stewart-Warner Corporation, Chicago, Ill. Oil bar. 144,829; May 28.
- Ayres, Francis L., assignor to Stewart-Warner Corporation, Chicago, Ill. Oil island. 145,243; July 23.
- Ayres, Francis L., assignor to Stewart-Warner Corporation, Chicago, Ill. Tool carrier. 145,770; Oct. 22.
- Ayres, Francis L., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 145,963; Nov. 26.
- B. and T. (Components) Limited, assignee: *See*—
- Kennedy, Thomas W.
- Baca, Hugo H.: *See*—
- Neumann, Charles A., and Baca.
- Bach, Alfons, New York, N. Y. Piano. 145,648; Oct. 1.
- Bach, Alfons, New York, N. Y. Piano. 145,649; Oct. 1.
- Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Bowl. 144,152; Mar. 19.
- Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Candle holder. 144,232; Mar. 26.
- Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 144,282; Apr. 2.
- Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 144,283; Apr. 2.
- Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Book end. 144,347; Apr. 9.
- Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Tray. 144,477; Apr. 23.
- Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Ash tray or similar article. 144,754; May 21.
- Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Box. 144,885; June 4.
- Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 145,194; July 16.
- Bach, Alfons, Stamford, Conn., assignor to C. E. Hovey, trustee, Kansas City, Mo. Food dispensing cabinet. 145,609; Sept. 24.
- Badley, Charles H., East Cleveland, Ohio. Hand line holder. 145,503; Sept. 3.
- Baer, Lena M., Topeka, Kans. Safety razor. 145,650; Oct. 1.
- Baermann, Walter, New York, N. Y. Vending machine. 145,964; Nov. 26.
- Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Toy helicopter. 146,065; Dec. 17.
- Bair, Scott S., Westminster, Md. Advertising sign. 144,890; June 4.
- Baker Furniture, Inc., assignee: *See*—
- Baker, Hollis S.
- Baker, Hollis S., assignor to Baker Furniture, Inc., Grand Rapids, Mich. Folding serving table. 145,965; Nov. 26.
- Baker, Hollis S., assignor to Baker Furniture, Inc., Grand Rapids, Mich. Extension serving table. 145,966; Nov. 26.
- Baker, John C., assignor to Aerojet Engineering Corporation, Pasadena, Calif. Rocket motor nozzle. 143,947; Feb. 26.
- Baker, John C., assignor to Aerojet Engineering Corporation, Pasadena, Calif. Rocket motor. 144,095; Mar. 12.
- Ballard, Wade E., assignor to Modern Plastic Co., Los Angeles, Calif. Silent butler. 145,967; Nov. 26.
- Ballot, Max, New York, N. Y. Button or similar article. 145,558; Sept. 10.
- Banick, Steven, New York, N. Y. Timepiece face. 145,610; Sept. 24.
- Bank, Paul, assignor to J. Barbag, New York, N. Y. Wall et or similar article. 143,788; Feb. 12.
- Baratelli, Charles A., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 144,904; May 7.
- Barbag, Joseph, assignee: *See*—
- Bank, Paul.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Picture frame. 143,388; Jan. 1.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Picture frame. 143,389; Jan. 1.
- Barker, W. I., assignor to Uncas Manufacturing Company. Picture frame. 143,390; Jan. 1.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Picture frame. 143,699; Feb. 5.
- Barclay, Robert E., assignor to Vail Manufacturing Company, Chicago, Ill. Staple hammer. 144,673; May 14.
- Barger, Nathaniel S.: *See*—
- Adams, Arthur F., and Barger.
- Barker, W. I., assignee, et al.: *See*—
- Smith, Harvey J.
- Barlow, Thomas F., Waterville, Maine. Shoe. 143,391; Jan. 1.
- Barlow, Thomas F., Waterville, Maine. Shoe. 143,392; Jan. 1.
- Barna, Stephen L., Detroit, Mich. Toothbrush holder. 144,253; Mar. 26.
- Barnes, James F., assignor to Barnes & Reincke, Chicago, Ill. Combination clock and radio. 146,066; Dec. 17.
- Barnes & Reincke, assignee: *See*—
- Barnes, James F.
- Barnes, W. F. and John, Company, assignee: *See*—
- Desenberg, Josef.
- Barofsky, Jack, Los Angeles, Calif. Stand for a hand telephone. 144,674; May 14.
- Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 145,416; Aug. 20.
- Barrett, Altina and E., Hollywood, Calif. Spectacle case. 144,445; Apr. 16.
- Barrett, Eric: *See*—
- Barrett, Altina and E.
- Bartelt Engineering Service, assignee: *See*—
- Carrière, Laurier A.
- Basser, William, London, England. Spectacle frame. 143,700; Feb. 5.
- Bassett, Eleanor D., New York, N. Y. Pin. 144,348; Apr. 9.
- Bassett, George, Los Angeles, Calif. Bar rail fixture. 145,71; Oct. 22.
- Bates, Richard W., Annapolis, Md., assignor to the 1948 A and B Classes of the United States Naval Academy. Class pin. 146,096; Dec. 24.
- Badenstreicher, Mathias H., St. Louis, Mo. Infant's shoe. 143,701; Feb. 5.
- Bauer, Walter C., Chevy Chase, assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md. Portable lubrication unit. 144,538; Apr. 30.

- Baum, Fred J.: *See—*
Northrop, John K., Cerny, Baum, and Schwartz.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 145,347; Aug. 6.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 145,067; Dec. 17.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 146,068; Dec. 17.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 146,069; Dec. 17.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 146,070; Dec. 17.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 146,071; Dec. 17.
- Baus, Edward C., assignor to E. C. Baus, Cleveland, and E. W. Allen, Cleveland Heights, Ohio, co-partners doing business as El-Mar Tube Products Company. Child's crawler. 143,461; Jan. 8.
- Bausenbach, Arthur E., Buffalo, N. Y. Airplane hangar. 143,639; Jan. 29.
- Baxter, David, Chicago, Ill. Hair bandeau. 143,702; Feb. 5.
- Bay West Paper Company, assignee: *See—*
Peacock, Finley C., and Engel.
- Beard, Lois P., St. Petersburg, Fla. Amphibian airplane. 144,675; May 14.
- Beck, Derwood A., Seville, and E. A. Eddy, Massillon, Ohio. Airplane. 144,021; Mar. 5.
- Beck, Richard G., Adrian, Mich. Blueprint drying machine. 143,992; Feb. 19.
- Becker, Aloysius W., assignor to Dearborn Stove Company, Chicago, Ill. Casing for a space heater. 143,893; Feb. 19.
- Becker, Aloysius W., assignor to Dearborn Stove Company, Chicago, Ill. Casing for a space heater. 143,894; Feb. 19.
- Becker, Aloysius W., assignor to Dearborn Stove Company, Chicago, Ill. Casing for a space heater. 143,895; Feb. 19.
- Becker, Aloysius W., assignor to Dearborn Stove Company, Chicago, Ill. Casing for a space heater. 143,896; Feb. 19.
- Becker, James E., Lakewood, assignor to The Cleveland Vibrator Company, Cleveland, Ohio. Blow valve or similar article. 144,153; Mar. 19.
- Beckstein, George C., assignor to Star Ring Manufacturing Company, Buffalo, N. Y. Case for cigarette and cigar lighter. 143,571; Jan. 22.
- Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Fountain pen barrel or similar article. 144,534; Apr. 30.
- Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Telephone-address index or similar article. 144,968; Nov. 26.
- Beckwith, Edwin L., Brookline, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Chest. 145,195; July 16.
- Beckwith Manufacturing Company, assignee: *See—*
Beckwith, Edwin L.
- Beder, Samuel L., New York, N. Y. Pounding toy. 145,504; Sept. 3.
- Bedwin, Albert W., Grand Rapids, Mich. Game board. 143,893; Jan. 1.
- Beer, Leo, Kew Gardens, and H. Stern, New York, N. Y. Braid. 143,523; Jan. 15.
- Beer, Leo, Kew Gardens, and H. Stern, New York, N. Y. Braid. 144,349; Apr. 9.
- Behr, Siegfried, Flushing, N. Y. Two-piece hair barrette. 144,284; Apr. 2.
- Beidelman, Alvin H., Jr., Naperville, Ill. Hand truck. 145,505; Sept. 3.
- Bellock, David, New York, N. Y. Tooth brush holder. 144,535; Apr. 30.
- Beckeddes, Norman, New York, assignor to Creative Plastics Corp., Brooklyn, N. Y. Portable bar tray. 145,718; Oct. 15.
- Bell Aircraft Corporation, assignee: *See—*
Bowers, Herbert L.
Bowers, Herbert L., and Poyer.
Bowers, Herbert L., and Wolf.
Hall, Randolph P., and Rhodes.
Poyer, Harland M.
Rhodes, Edgar P., and Hall.
Rundstrom, Roy J.
Wolf, Robert A.
- Bell, Richard G., Miami, Fla. Telephone stand unit. 143,789; Feb. 12.
- Bellin, Milton R., New York, N. Y. Candlestick. 146,097; Dec. 24.
- Beltz Corporation, assignee: *See—*
De Woskin, Irv S.
- Benda-Lite Plastics Division, branch of Oxygen Equipment & Service Co., assignee: *See—*
Thodos, James E.
- Bendix Aviation Corporation, assignee: *See—*
Constantine, Arthur R., and Boldt.
Miles, John R.
Pond, William B., and Holt.
Wood, Louvan E.
- Benedict, Charles E., Rochester, N. Y. Sink. 143,897; Feb. 19.
- Benjamin, Andrew K.: *See—*
Petremont, Gordon A., Benjamin, and Brown.
- Bennett, Robert M., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drafting table base. 145,651; Oct. 1.
- Bennett, Theodore C., Morton, M. Morton, Philadelphia, and P. M. Gloeckler, Upper Darby, Pa. Airplane. 145,417; Aug. 20.
- Benning, Walter F., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Combined power take-off and pulley drive unit. 143,394; Jan. 1.
- Benning, Walter F., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Power take-off unit. 143,395; Jan. 1.
- Benson, Jerome V., and E. F. Fellen, Duluth, Minn. Rocking horse. 143,640; Jan. 29.
- Bery, Olga L., assignor to Clyde Iron Works, Inc., Duluth, Minn. Winch. 144,676; May 14.
- Bercu, Herman A., Palo Alto, Calif. Smoking pipe. 145,113; July 2.
- Berg, Martin O.: *See—*
De Trost, Finn, and Berg.
- Berger, Arthur M., New York, N. Y. Uniform. 145,376; Aug. 13.
- Berger, Samuel I., Newark, N. J. Toy gun. 145,652; Oct. 1.
- Bergman, Ted, Miami, Fla. Statuette or similar article. 146,126; Dec. 31.
- Berhard, Lucian, New York, N. Y., assignor to Keuffel & Esser Company, Hoboken, N. J. Font of numerals. 144,536; Apr. 30.
- Berkow, Murray: *See—*
Kartveli, Alexander, and Berkow.
- Berkowitz, Maurice, New York, N. Y. Doll or similar article. 143,703; Feb. 5.
- Berna, Albert J., Detroit, Mich. Clothes rack. 146,014; Dec. 10.
- Bernas, Jacques, New York, N. Y. Bracelet or similar article. 145,783; Oct. 22.
- Bernath, Egon, New York, N. Y. Raincoat or similar article. 145,969; Nov. 26.
- Better Packages, Inc., assignee: *See—*
Krueger, Theodore H.
- Bierig, Carl W., Joplin, Mo. Combination mail box and magazine and newspaper rack. 145,002; June 18.
- Bigelow, Charles A., Houston, Tex. Aircraft tire. 145,348; Aug. 6.
- Biggins, Robert B. J.: *See—*
Garrett, Minnie G., and Biggins.
- Bihl, Jerome U., San Marino, Calif. Game board. 145,559; Sept. 10.
- Billar, David J., St. Louis, and B. A. Kaepfel, Normandy, assignors to Day-Brite Lighting, Inc., St. Louis, Mo. Louvered fluorescent lighting fixture. 143,641; Jan. 29.
- Billet, Philip and Irving Levy, New York, N. Y. Couch or the like. 144,677; May 14.
- Billups, James O., Manhattan Beach, Calif. Bottle or similar article. 146,127; Dec. 31.
- Bills, James O., Manhattan Beach, Calif. Bottle or similar article. 146,128; Dec. 31.
- Binder, Leo J., Spokane, Wash. Combined coaster and ash tray holder. 145,653; Oct. 1.
- Bird & Son, inc., assignee: *See—*
Garner, Robert V., and Macchi.
- Bittel, Harold E.: *See—*
Bittel, John A. and H. E.
- Bittel, John A. and H. E., assignors to George B. Hart, Inc., Rochester, N. Y. Tie rack. 146,015; Dec. 10.
- Bixby, Harold S., New Haven, Conn. Combined socket and connector for Christmas tree lamps or the like. 143,792; Feb. 12.
- Bixler, Edmund P., New York, N. Y. Cloth display rack. 144,755; May 21.
- Bixler Corporation, The, assignee: *See—*
Plasket, Chester S.
- Bjorksten, Johan, Chicago, Ill. Laboratory workbench. 145,654; Oct. 1.
- Bjorksten, Johan, Chicago, Ill. Laboratory workbench. 145,785; Oct. 22.
- Bjorksten, Johan, Chicago, Ill. Laboratory workbench. 145,785; Oct. 22.
- Black, Donald R., assignor to Inland Rubber Corporation, Chicago, Ill. Cyclist handle grip. 144,446; Apr. 16.
- Blackhall, Renard M., and M. Kaufman, Chicago, Ill. Paper weight or similar article. 146,129; Dec. 31.
- Blackwood, Merl A., Freeport, Ill., assignor, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa. Refrigerator door latch. 144,234; Mar. 28.
- Blair Manufacturing Company, assignee: *See—*
Wells, Fred V.
- Blake, Charles D., Pelham Manor, assignor to Premier Optical Products, Inc., New York, N. Y. Combination hand mirror and stand or similar article. 145,051; June 25.
- Blazer, Lawrence E., Bay Village, Ohio, assignor to Industrial Electronic Corporation, Brooklyn, N. Y. Radio cabinet. 144,887; June 4.
- Blickman, S., Inc., assignee: *See—*
Clachko, Josiah S.
- Blomberg, Otto J.: *See—*
Eklund, Henning A., and Blomberg.

- Blomgren, Oscar C., Evanston, Ill. Microscope. 143,396; Jan. 1.
- Blons, M. J., and Company, assignee: *See*—Steele, Elmer A.
- Blons, Maurice J., assignee: *See*—Steele, Elmer A.
- Bloom, William E.: *See*—Winstlow, Richard H., Bloom, and Aldrich.
- Bloomfield, Samuel, Wichita, Kans., assignor to C. E. Hovey, trustee, Kansas City, Mo. Waste receptacle. 143,970; Nov. 26.
- Blum, Arthur, Brooklyn, N. Y. Spectacle frame or similar articles. 144,678; May 14.
- Blumm, Stanley W., Marathon, N. Y. Convertible ice and roller skate. 144,603; May 7.
- Bockmann Engraving Company, assignee: *See*—Bockmann, Louis F.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,888; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,889; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,891; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,892; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,893; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,894; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,895; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,896; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,897; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,898; June 4.
- Bockmann, Louis F., River Forest, assignor to Bockmann Engraving Company, Chicago, Ill. Sheet of writing paper or the like. 144,899; June 4.
- Boeing Aircraft Company, assignee: *See*—Haupt, Donald T.
- Boepple, Gottlieb C., Glendale, Calif. Slide rail for truck bodies or the like. 144,900; June 4.
- Bogert, Ormonde, Maplewood, and W. B. Hewitt, Orange, assignors to Leiman, Corbin, Inc., Newark, N. J. Sandblast casing. 143,704; Feb. 5.
- Boisselier, Earl D., Glen Ellyn, assignor to Sears, Roebuck and Co., Chicago, Ill. Infant's play pen. 145,052; June 25.
- Boldt, Melvin H.: *See*—Constantine, Arthur R., and Boldt.
- Bolten, John, Andover, Mass. Garment hanger. 144,679; May 14.
- Bolten, John, Andover, Mass. Garment hanger. 144,680; May 14.
- Bolten, John, Andover, Mass. and H. Spitz, Great Neck, N. Y. Garment hanger. 144,681; May 14.
- Bolten, John, Andover, Mass. and H. Spitz, Great Neck, N. Y. Garment hanger. 145,053; June 25.
- Bonat, Harry, assignor to Samuel Bonat & Bro., New York, N. Y. Hair curler. 143,705; Feb. 5.
- Bonat, Samuel, & Bro., assignee: *See*—Bonat, Harry.
- Bond, Thomas B., Detroit, Mich., assignor to U. S. Steel Furniture Manufacturing Corp., New York, N. Y. Chair. 143,462; Jan. 8.
- Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 145,971; Nov. 26.
- Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 145,972; Nov. 26.
- Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 145,973; Nov. 26.
- Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 145,974; Nov. 26.
- Bonn, Harry, Union City, N. J. Hat or similar article. 145,560; Sept. 10.
- Borowski, John P., Brooklyn, N. Y. Electric lantern. 144,022; Mar. 5.
- Botkin, Joseph L., Los Angeles, Calif. Combination pencil holder and lead dispenser. 144,350; Apr. 9.
- Botnick Motor Corporation, assignee: *See*—Snell, Francis A.
- Boucher, Marcel, New York, N. Y. Earring. 145,054; June 25.
- Boucher, Marcel, New York, N. Y. Pin or similar article. 145,055; June 25.
- Boucher, Marcel, New York, N. Y. Pin or similar article. 145,056; June 25.
- Boucher, Marcel, New York, N. Y. Pin or similar article. 145,057; June 25.
- Boucher, Marcel, New York, N. Y. Pin or similar article. 145,058; June 25.
- Boucher, Marcel, New York, N. Y. Clip. 145,151; July 9.
- Boucher, Marcel, New York, N. Y. Clip. 145,152; July 9.
- Boucher, Marcel, New York, N. Y. Clip. 145,151; Sept. 10.
- Bouhall, Edward F., Cleveland, assignor to The C. L. Gougler Keyless Lock Company, Kent, Ohio. Keyless lock. 144,682; May 14.
- Bouhall, Edward F., Cleveland, assignor to The C. L. Gougler Keyless Lock Company, Kent, Ohio. Keyless lock. 144,683; May 14.
- Bouhall, Edward F., Cleveland, assignor to The C. L. Gougler Keyless Lock Company, Kent, Ohio. Keyless lock. 144,684; May 14.
- Bouhall, Edward F., Cleveland, assignor to The C. L. Gougler Keyless Lock Company, Kent, Ohio. Combination keyless and key lock. 144,685; May 14.
- Boutemy, Andre, New York, N. Y. Ear ornament or similar article. 145,196; July 16.
- Bouthillette, George N., Everett, Mass. Arch support. 143,642; Jan. 29.
- Bovary, Norman E., Naugatuck, assignor to Sport Prod. Inc., Cincinnati, Ohio. Shoe sole. 145,193; July 9.
- Bowen, Alice S., Honolulu, Hawaii, assignor to S & S Gump Co. Bracelet or similar article. 143,790; Feb. 12.
- Bows, Herbert L., Kenmore, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 143,706; Feb. 5.
- Bowers, Herbert L., Kenmore, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 143,707; Feb. 5.
- Bowers, Herbert L., Kenmore, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 146,072; Dec. 17.
- Bowers, Herbert L., and R. A. Wolf, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 144,023; Mar. 5.
- Bowers, Herbert L., Kenmore, and H. M. Poyer, Lewiston, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 144,024; Mar. 5.
- Bowers, Herbert L., and R. A. Wolf, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 144,025; Mar. 5.
- Bowers, Herbert L., and R. A. Wolf, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 144,026; Mar. 5.
- Bowers, Herbert L., and R. A. Wolf, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 144,027; Mar. 5.
- Bowers, Herbert L., and R. A. Wolf, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 144,028; Mar. 5.
- Bowers, Herbert L., and R. A. Wolf, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 144,029; Mar. 5.
- Bowlen, Nord, assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or similar article. 144,154; Mar. 19.
- Bowser, Inc., assignee: *See*—Sundberg, Carl W.
- Boydman, Philip, New York, N. Y. Toy frog. 144,096; Mar. 12.
- Boyes, Mary A., Inglewood, Calif. Child's chamber. 145,003; June 18.
- Bradley Washfountain Co., assignee: *See*—Stevens, Clifford B.
- Brantz, Louis F., Philadelphia, Pa. Chair cart. 145,655; Oct. 1.
- Brass, Edward A., Shreveport, La. Police signal box. 144,223; Mar. 26.
- Brass, Edward A., Shreveport, La. Fire alarm box. 145,472; Aug. 27.
- Braunstein, Jules, Studio City, Calif. Link chain for a bracelet or similar article. 144,351; Apr. 9.
- Braunstein, Jules, Studio City, Calif. Link chain for a bracelet or similar article. 144,352; Apr. 9.
- Braunstein, Jules, Studio City, Calif. Link chain for a bracelet or similar article. 144,353; Apr. 9.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 144,901; June 4.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 144,902; June 4.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 144,903; June 4.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 144,904; June 4.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 145,418; Aug. 20.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 145,419; Aug. 20.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 145,420; Aug. 20.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 145,421; Aug. 20.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 145,422; Aug. 20.

- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 145,423; Aug. 20.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 145,424; Aug. 20.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 145,425; Aug. 20.
- Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 145,426; Aug. 20.
- Breakfast in Hollywood, assignee: See—
Joseph, Eugene.
- Brennan, Arthur P., Dedham, Mass. Combined radio receiver, lamp, and ash tray. 144,537; Apr. 30.
- Brennan, Ruth Mills, Larchmont, N. Y. Doll. 144,756; May 21.
- Brewer, John A., Kalamazoo, Mich. Whirligig toy. 145,285; July 30.
- Briggs Filtration Company, The, assignee: See—
Bauer, Walter C.
- Brinkman, Paul, Los Angeles, Calif. Radio receiver. 145,508; Sept. 3.
- Brinson, Thomas F., assignor to Scripto Manufacturing Company, Atlanta, Ga. Fountain pen. 145,114; July 2.
- Brinson, Thomas F., assignor to Scripto Manufacturing Company, Atlanta, Ga. Fountain pen. 145,115; July 2.
- Brintnall, Archibald C., Denver, Colo. Wrench. 143,898; Feb. 19.
- Briskin, Jack, assignor to Revere Camera Company, Chicago, Ill. Film splicer. 144,687; May 14.
- Briskin, Jack, assignor to Revere Camera Company, Chicago, Ill. Base for a film splicer. 144,688; May 14.
- Brish-Makes, Inc., assignee: See—
Innes, James, Cohen, and Spatz.
- Broadbent, Felipe A., Washington, D. C. Kitchen cabinet. 144,029; Mar. 5.
- Broadbent, Felipe A., Washington, D. C. Kitchen cabinet. 144,030; Mar. 5.
- Broadbent, Felipe A., Washington, D. C. Kitchen cabinet. 144,031; Mar. 5.
- Broadbent, Felipe A., Washington, D. C. Kitchen cabinet. 144,032; Mar. 5.
- Broadbent, Felipe A., Washington, D. C. Kitchen cabinet. 144,033; Mar. 5.
- Broadwell, Harry M., Bristol, Conn. Clothespin or the like. 145,377; Aug. 13.
- Broudy, John G., assignee: See—
Klay, Darryl.
- Brockman, Morton S., assignor to Grossman Music Co., Cleveland, Ohio. Valve key for musical instruments. 143,708; Feb. 5.
- Brody, Abraham, New York, N. Y. Earring or similar article. 144,605; May 20.
- Brogan, Frank, Cincinnati, Ohio. Motorcycle. 145,772; Oct. 22.
- Bronfman, Benjamin, Lynbrook, N. Y., assignor to The Cofax Corporation. Adhesive tape dispenser. 145,773; Oct. 22.
- Bronfman, Benjamin, Lynbrook, N. Y., assignor to The Cofax Corporation. Adhesive tape dispenser. 146,130; Dec. 31.
- Brooks, Irvin, E., assignee: See—
Early, Thomas V.
- Brotheridge, John: See—
Prince, Earl S.
- Brown, William H., Rogersville, Tenn. Combination fence tool. 143,709; Feb. 5.
- Brotman, Hyman D., assignee: See—
Walker, George W.
- Brown & Bigelow, assignee: See—
Trollen, Martin E.
- Voorheer, Cecil E.
- Brown, Edmund C.: See—
Petremont, Gordon A., Benjamin, and Brown.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 145,116; July 2.
- Brown, Kenneth H., and L. L. Harle, Cleveland, Tenn. Heater. 144,697; Mar. 12.
- Brovne, Herschel O., Kansas City, Mo., and W. J. Klassen, Johnson County, Kans. Combined cleaver and meat tenderizer. 145,004; June 18.
- Browne, Jack, Milwaukee, Wis. Swim mask. 143,948; Feb. 26.
- Brown, Charles E., assignor of one-fourth to Charles G. Johnson, Memphis, Tenn., and one-fourth to Arjorie Dell Cauthen, Dallas, Tex. Frame for bicycles. 143,572; Jan. 22.
- Brunetti, Joseph, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Transparent comb or similar article. 143,573; Jan. 22.
- Brunetti, Joseph, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Comb or similar article. 143,949; Feb. 26.
- Brunetti, Joseph, Carlstadt, assignor to Plastic Art Toy Corporation of America, Rutherford, N. J. Fork or similar article. 145,349; Aug. 6.
- Bryson, Lloyd E., Los Angeles, Calif. Wheel or tire "chose rest" or similar article. 144,689; May 14.
- Buchmann, Louis, assignee: See—
Strauss, Luke J.
- Buckele, Walter J., Arlington, Va. Dispensing holder for tooth paste tubes and the like. 144,690; May 14.
- Buckingham, John D., assignor to Lucien LeLong, Inc., Chicago, Ill. Lipstick holder. 145,506; Sept. 3.
- Buckley & Scott, Inc., assignee: See—
Holmes, Caroline D.
- Buckow, Oscar A. von S., Basking Ridge, assignor to Engraving and Engine Turning Co., Inc., Newark, N. J. Birth data napkin ring. 144,155; Mar. 19.
- Budlong, Robert D., assignor to C. Strom, Chicago, Ill. Electric fan. 144,024; Mar. 5.
- Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 145,507; Sept. 3.
- Budrakey, James P., Troy, N. Y. Child's trainer or similar article. 143,574; Jan. 22.
- Bugenhagen, George H., Midland, Mich. Cigarette case. 144,479; Apr. 23.
- Bult, Paul L., Chicago, Ill. Gate. 145,059; June 25.
- Bunnell, James, Denver, Colo. Pendulum toy. 144,098; Mar. 12.
- Bunting, Earl, Winchester, Va. Rubber heel. 145,378; Aug. 13.
- Bunting Glider Company, assignee: See—
Roth, Andrew.
- Burch, David T., Redwood City, Calif. Household combination tool. 143,710; Feb. 5.
- Burch, Oren P., Aberdeen, Wash. Ring. 143,463; Jan. 8.
- Burger, Charles H., Bronx, N. Y., assignor to B. R. Hendler, Baltimore, Md. Goblet. 144,447; Apr. 16.
- Burger, Charles H., Bronx, N. Y., assignor to Bernard R. Hendler, Baltimore, Md. Goblet. 144,478; Apr. 23.
- Burger, Charles H., Jr., assignor to Para Ti Corporation, New York, N. Y. Combined bottle and container. 144,891; May 14.
- Burger, Joseph, New York, N. Y. Desk file. 143,643; Jan. 29.
- Burgess Battery Company, assignee: See—
Schofield, Earl L.
- Burke, James D., assignor to A. M. Maree, Jr., S. L. Post, S. and Mar. 5, and J. D. Burke, Los Angeles, Calif. Spring testing machine. 145,060; June 25.
- Burnett, William J., San Antonio, Tex. Game board. 144,285; Apr. 2.
- Burston, Maurice B., Wethersfield, Conn. Athletic supports. 144,286; Apr. 2.
- Burt, Ralph E., Longmeadow, Mass. Mail box or similar article. 145,832; Oct. 29.
- Burtis, Eric, Los Angeles, Calif. Tobacco bowl or similar article. 144,757; May 21.
- Burtis, Eric, Los Angeles, Calif. Statuette or similar article. 145,154; July 9.
- Burton, Edward P., Los Angeles, Calif. Airplane. 143,791; Feb. 12.
- Burton, Edward P., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 145,774; Oct. 22.
- Busch, Conrad J., Wyomissing, assignor to The Narrow Fabric Company, West Reading, Pa. Textile fabric. 144,448; Apr. 16.
- Busch, Conrad J., Wyomissing, assignor to The Narrow Fabric Company, West Reading, Pa. Textile fabric. 144,449; Apr. 16.
- Butterfield, Easter M., Redondo Beach, Calif. Bottle holder. 145,611; Sept. 24.
- Bye, Harold P., Washington, D. C. Muffler. 143,524; Jan. 15.
- Byrd, Richard L., Dallas, Tex. Theater sign. 145,117; July 2.
- Byrer, Ralph W., Rockford, Ill. Game board. 145,118; July 2.
- Cadie, Eve Elizabeth, Alexandria, Va. Coffee pot. 144,354; Apr. 9.
- Caianiello, John, New York, N. Y. Costume jewelry pin. 143,899; Feb. 19.
- Caianiello, John, New York, N. Y. Costume jewelry pin. 144,480; Apr. 23.
- Caianiello, John, New York, N. Y. Costume jewelry pin. 144,830; May 28.
- Caianiello, John, New York, N. Y. Costume jewelry pin. 144,831; May 28.
- Callicott, Henry, New Orleans, La. Ash tray or similar article. 144,236; Mar. 26.
- Calem, Bernard, New York, N. Y. Handbag. 145,005; June 18.
- Calem, Bernard, New York, N. Y. Handbag. 145,473; Aug. 27.
- Calichio, John J., Forest Hills, N. Y. Letter opener. 145,656; Oct. 1.
- Calkins Appliance Corporation, assignee: See—
Stetler, Otto E.
- Cameron, Donald W. A., Musbury, Axminster, England. Combined electric lampstand and clock. 144,539; Apr. 30.
- Cameron, Malcolm P., Los Angeles, Calif. Tea cup. 144,905; June 4.
- Cameron, Margaret M., New York, N. Y. Shoe ornament. 143,397; Jan. 15.
- Cameron, Margaret M., New York, N. Y. Child's bib. 143,793; Feb. 12.
- Cameron, Margaret M., New York, N. Y. Child's bib. 143,794; Feb. 12.
- Cameron, Margaret M., New York, N. Y. Child's bib. 145,006; June 18.
- Cameron, Margaret M., New York, N. Y. Child's bib. 145,061; June 25.
- Cameron, Margaret M., New York, N. Y. Child's bib. 145,062; June 25.

- Cameron, Margaret M., New York, N. Y. Child's bib. 145,063; June 25.
- Cameron, Margaret M., New York, N. Y. Child's bib. 145,064; June 25.
- Cameron, Margaret M., New York, N. Y. Child's bib. 145,065; June 25.
- Camp, Fred V., Stayton, Oreg. Fish lure. 145,879; Nov. 12.
- Campbell, James T., Detroit, Mich. Plate developer. 144,540; Apr. 30.
- Campbell, Laurie J., and M. E. Hirsch, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Ball point fountain pen. 146,016; Dec. 10.
- Caniras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Magnetic record magazine or similar article. 143,575; Jan. 22.
- Canfield, Virgil David, Vashon, Wash. Combined case and cribbage board. 144,692; May 14.
- Canova, Harry L., North Hollywood, Calif. Combined chip holder and ash tray. 144,541; Apr. 30.
- Caplin, Ruth S., assignor to Kaylon Incorporated, New York, N. Y. Fabric. 145,119; July 2.
- Caramadre, Antonio, Providence, R. I. Picture frame or similar article. 144,957; June 11.
- Carduner, William, and L. Le Kashman, New York, N. Y., assignors to Multi Slide Instrument Corp., Chicago, Ill. Calculator for radio signaling. 144,355; Apr. 9.
- Caridoll, Joseph, Brooklyn, N. Y. Fishing pole tip. 143,593; Jan. 1.
- Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Airplane. 145,880; Nov. 12.
- Carlson, Charles W., assignor to United States Glass Company, Tiffin, Ohio. Plate. 145,612; Sept. 24.
- Carlson, Charles W., assignor to United States Glass Company, Tiffin, Ohio. Plate. 145,613; Sept. 24.
- Carney, Benedict F., Evanston, assignor to Spies Brothers, Inc., Chicago, Ill. Scapular ring or similar article. 145,921; Nov. 1.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,379; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,380; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,381; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,382; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,383; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,384; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,385; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,386; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,387; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,388; Aug. 13.
- Carpadus, Leah, New York, N. Y. Towel or similar article. 145,389; Aug. 13.
- Carr, J. B., Biscuit Company, assignee: *See*—
- Carr, Jasper B.
- Carr, Jasper B., Truckville, assignor to J. B. Carr Biscuit Company, Wilkes-Barre, Pa. Cookie. 146,073; Dec. 17.
- Carr, Jasper B., Truckville, assignor to J. B. Carr Biscuit Company, Wilkes-Barre, Pa. Cookie. 146,074; Dec. 17.
- Carr, Jasper B., Truckville, assignor to J. B. Carr Biscuit Company, Wilkes-Barre, Pa. Cookie. 146,075; Dec. 17.
- Carrier Corporation, assignee: *See*—
- Dreyfuss, Henry.
- Carrière, Laurence A., assignor to Bartelt Engineering Services, Rockford, Ill. Jewelry display box or the like. 143,711; Feb. 5.
- Carter, Cecil F., New York, N. Y. Bracelet. 145,775; Oct. 22.
- Carter, Cecil F., New York, N. Y. Bracelet. 145,776; Oct. 22.
- Carter's Ink Company, The, assignee: *See*—
- Kendrick, Laurence W.
- Cartier, Inc., assignee: *See*—
- Foret, Edmond, and Graeter.
- Graeter, Harold.
- Carulli, John, Branford, assignor to The Miller Company, Meriden, Conn. End plate for fluorescent lighting fixtures. 144,758; May 21.
- Casolino, Joseph, Forest Hills Gardens, Long Island, assignor to Dieplast Corporation, New York, N. Y. Hand mirror frame. 144,287; Apr. 2.
- Casolino, Joseph, Forest Hills Gardens, Long Island, assignor to Dieplast Corporation, New York, N. Y. Hand mirror frame. 145,709; Oct. 15.
- Casanov, Raymond C., Chicago, Ill. Juice extractor. 144,481; Apr. 23.
- Casclano, August, Providence, R. I. Jewelry pin or similar article. 144,958; June 11.
- Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Combined scabbard and carving knife or similar article. 145,922; Nov. 19.
- Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Combined scabbard and carving implement set. 145,923; Nov. 19.
- Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Combined scabbard and carving implement set. 145,924; Nov. 19.
- Case, Frank P., assignee: *See*—
- Gosling, Henry A.
- Case, Frank P., assignor of one-half to H. A. Gosling, Chicago, Ill. Shoe rack. 143,795; Feb. 12.
- Case, Frank P., assignor of one-half to H. A. Gosling, Chicago, Ill. Combined settee and telephone cabinet. 145,657; Oct. 1.
- Catanzarite, Patsy G., and S. J. Lamancusa, assignors to W. Thomas, Cleveland, Ohio. Figure toy. 145,066; Jan. 25.
- Cates, Munford P., San Angelo, Tex. Tie clasp. 143,399; June 1.
- Cauthen, Arjorie D., et al., assignee: *See*—
- Bruce, Charles E.
- Centra Leather Goods Corporation, assignee: *See*—
- Marcus, Morris.
- Cerny, Walter J.: *See*—
- Northrop, John K., Cerny, Baum, and Schwartz.
- Chalk, Benjamin, New York, N. Y. Doll. 144,693; May 14.
- Chalk, Benjamin, New York, N. Y. Doll. 144,694; May 14.
- Chambers, Frederick C., Chicago, Ill. Pipe receptacle. 145,562; Sept. 10.
- Chambers, Joseph A., Memphis, Tenn. Dispensing machine for beverage and ice cream. 146,131; Dec. 31.
- Chandler, Edward A.: *See*—
- Taylor, Thomas T.
- Chandler, James H., Oak Park, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 143,644; Jan. 29.
- Chandler, James H., Oak Park, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 143,645; Jan. 29.
- Chandler, James H., Oak Park, assignor to Ekco Products Company, Chicago, Ill. Can opener. 143,646; Jan. 29.
- Chandler, James H., Oak Park, assignor to Ekco Products Company, Chicago, Ill. Can opener. 143,647; Jan. 29.
- Chandler, James H., Oak Park, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 145,687; Oct. 8.
- Chandler, James H., Oak Park, and M. J. Zimmer, Wooddale, assignors to Ekco Products Company, Chicago, Ill. Can opener. 144,099; Mar. 12.
- Chandler, James H., Oak Park, and M. J. Zimmer, Wooddale, assignors to Ekco Products Company, Chicago, Ill. Can opener. 144,100; Mar. 12.
- Chandler, James H., Oak Park, and A. J. Eggleston, assignors to Ekco Products Company, Chicago, Ill. Kitchen tool or similar article. 145,685; Oct. 8.
- Chandler, James H., Oak Park, and A. J. Eggleston, assignors to Ekco Products Company, Chicago, Ill. Kitchen tool or similar article. 145,686; Oct. 8.
- Charters, William J., Ankeny, Iowa. Dental stimulating instrument. 146,777; May 7.
- Chase, Henry C., Chicago, Ill. Showcase. 145,833; Oct. 29.
- Chase, Henry C., Chicago, Ill. Showcase. 145,834; Oct. 29.
- Chase, Henry C., Chicago, Ill. Showcase. 145,835; Oct. 29.
- Chefford Master Manufacturing Company, Incorporated, assignee: *See*—
- Katcher, Morris.
- Cherneck, Leonard D., Seattle, Wash. Combined wall clock, money bank, and calendar. 145,350; Aug. 6.
- Cherneck, Leonard D., Seattle, Wash. Alar or similar article. 145,995; Dec. 3.
- Chernow, Michael, New York, N. Y. Bracelet or the like. 144,759; May 21.
- Chernow, Michael, New York, N. Y. Earring or the like. 144,760; May 21.
- Chernow, Michael, New York, N. Y. Earring or the like. 144,761; May 21.
- Chernow, Michael, New York, N. Y. Earring or the like. 144,762; May 21.
- Chernow, Michael, New York, N. Y. Earring or similar article. 144,763; May 21.
- Chernow, Michael, New York, N. Y. Earring or similar article. 144,764; May 21.
- Chernow, Michael, New York, N. Y. Earring or similar article. 144,765; May 21.
- Chernow, Michael, New York, N. Y. Earring or similar article. 144,766; May 21.
- Chernow, Michael, New York, N. Y. Earring or similar article. 144,767; May 21.
- Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 144,908; June 4.
- Chernow, Michael, New York, N. Y. Bracelet or the like. 145,831; Nov. 12.
- Chicago Electric Manufacturing Company, assignee: *See*—
- Maxson, William E., Jr.
- Maxson, William E., Jr., and Rodwick.
- Child Specialties, Inc., assignee: *See*—
- Veideman, Edward C.
- Chmielewski, Stanley A.: *See*—
- Hirsch, Benjamin F., and Chmielewski.
- Christon, Marcel, New York, N. Y. Textile fabric. 144,237; Mar. 26.

Christensen, Leland R., Craig, Nebr. Pencil. 144,238; Mar. 26.

Christensen, Norman V., and N. L. Wallenberg, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine housing. 144,768; May 21.

Christie, John A., Akron, Ohio, assignor to The Mohawk Rubber Company. Tire. 145,155; July 9.

Christie, Louis E., Seattle, Wash. Game board. 145,067; Apr. 25.

Christopher, Clinton J., Minneapolis, Minn. Show case or similar article. 145,197; July 16.

Ciachko, Josiah S., Ridgefield Park, assignor to S. Blickman, Inc., Weehawken, N. J. Overbed table. 145,777; Oct. 22.

Clark, Clinton B., Oak Park, Ill. Overhead monorail train. 145,658; Oct. 1.

Clark, Joseph C., Merchantville, assignor to Atlas Instrument Company, Haddonfield, N. J. Electric scissors or the like. 144,288; Apr. 2.

Claypool, Glenn F., Oak Park, Ill. Bottle or similar article. 143,576; Jan. 22.

Claypool, Glenn F., Oak Park, Ill. Bottle or similar article. 143,577; Jan. 22.

Clement, Theodore J., Rochester, N. Y. assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Housing for cathode ray apparatus. 143,796; Feb. 12.

Cleveland Vibrator Company, The, assignee: *See*—Becker, James E.

Clink, Mary M., Los Angeles, Calif. Reel support. 145,509; Sept. 3.

Clist, Albert D., Purdy, N. Y. Scatter rug or similar article of manufacture. 145,510; Sept. 3.

Clist, Albert D., Purdy, assignor to Wollner-Clist Inc., New York, N. Y. Scatter rug or similar article of manufacture. 144,542; Apr. 30.

Clist, Albert D., Purdy, assignor to Wollner-Clist Inc., New York, N. Y. Scatter rug or similar article of manufacture. 144,543; Apr. 30.

Clyde Iron Works, Inc., assignee: *See*—Berby, Ola L.

Coburn, Abbott, Chicago, Ill., assignor to Globe Roofing Products Co., Inc. Roll roofing or similar article. 143,400; Jan. 1.

Coburn, Abbott, Chicago, Ill., assignor to Globe Roofing Products Co., Inc. Roll roofing or similar article. 143,401; Jan. 1.

Coburn, Abbott, Chicago, Ill., assignor to Globe Roofing Products Co., Inc. Roll roofing or similar article. 143,402; Jan. 1.

Coburn, Abbott, Chicago, Ill., assignor to Globe Roofing Products Co., Inc. Roll roofing or similar article. 143,403; Jan. 1.

Coburn, Abbott, Chicago, Ill., assignor to Globe Roofing Products Co., Inc. Ridge shingle strip. 143,404; Jan. 1.

Coca-Cola Company, The, assignee: *See*—Loewy, Raymond.

Cofax Corporation, The, assignee: *See*—Bronfman, Benjamin.

Cohen, Charles C., New York, N. Y. Clock toy or similar article. 145,990; Aug. 13.

Cohen, Lipman: *See*—Innes, James, Cohen, and Spatz.

Cohen, Meyer, Flushing, N. Y. Combined cuff protector and erasing shield. 143,464; Jan. 8.

Cohen, Meyer, Flushing, assignor to Agency Paper Company, New York, N. Y. Writing paper or similar article of stationery. 145,068; June 25.

Cohen, Moe J., New York, N. Y. Handbag or the like. 143,578; Jan. 22.

Cohen, Moe J., New York, N. Y. Handbag or the like. 143,579; Jan. 22.

Cohen, Moe J., New York, N. Y. Handbag or the like. 143,580; Jan. 22.

Cohen, Moe J., New York, N. Y. Handbag or the like. 143,581; Jan. 22.

Cohen, Sidney, New York, N. Y. Suit. 144,035; Mar. 5.

Cohen, Sidney, New York, N. Y. Suit. 144,036; Mar. 5.

Cohen, Sidney, New York, N. Y. Suit. 144,832; May 28.

Cohen, Sidney, New York, N. Y. Suit. 144,833; May 28.

Cohen, Sidney, New York, N. Y. Suit. 144,834; May 28.

Cohen, Sidney, New York, N. Y. Suit. 144,835; May 28.

Cohen, Sidney, New York, N. Y. Suit. 144,836; May 28.

Cohen, Sidney, New York, N. Y. Suit. 144,837; May 28.

Cohen, Sidney, New York, N. Y. Suit. 144,838; May 28.

Cohen, Sidney, New York, N. Y. Suit. 144,907; June 4.

Cohen, Sidney, New York, N. Y. Suit. 144,908; June 4.

Cohen, Sidney, New York, N. Y. Suit. 145,925; Nov. 19.

Cohen, Sidney, assignor to Kiddie Seat Corporation, New York, N. Y. Child's training toilet seat. 143,951; Feb. 26.

Cohen, Sidney, assignor to Steelmaster Incorporated, New York, N. Y. Letter tray. 144,450; Apr. 16.

Cohn, Gustav, New York, N. Y. Slipper or similar article. 145,882; Nov. 12.

Cohn, Gustave, Hartsdale, N. Y. Slipper. 145,926; Nov. 19.

Cole of California, Inc., assignee: *See*—Laszlo, Margit F.

Coleman, John D., Detroit, Mich., assignor to The Aviation Corporation, New York, N. Y. Lamp for a range. 144,695; May 14.

Coles, Ross, Chicago, Ill., assignor to Ross Coles & Co., Incorporated. Combined money clip and bottle cap remover. 144,839; May 28.

Coles, Ross & Co., Incorporated, assignee: *See*—Coles, Ross.

Collura, Francesco, New York, N. Y., assignor to Millers Falls Company, Greenfield, Mass. Electric tool unit. 144,608; May 7.

Collura, Francesco, New York, N. Y., assignor to Telechron Inc. Alarm clock. 145,351; Aug. 6.

Collura, Francesco, New York, N. Y., assignor to Telechron Inc. Clock or similar article. 145,352; Aug. 6.

Collura, Francesco, New York, N. Y., assignor to Telechron Inc. Alarm clock. 145,353; Aug. 6.

Collura, Francesco, New York, N. Y., assignor to Telechron Inc. Combination radio receiver and timer clock case. 145,996; Dec. 3.

Columbia Handbag Corp., assignee: *See*—Goldberg, Jerome.

Columbia Protokotiste Co., Inc., assignee: *See*—Brunetti, Joseph.

Columbus Plastic Products Inc., assignee: *See*—Keny, Gebhard W.

Colwell, Laurence, assignor to Revlon Products Corporation, New York, N. Y. Jewel studded sun glasses. 144,289; Apr. 2.

Colwell, Laurence, assignor to Revlon Products Corporation, New York, N. Y. Shoe or similar article. 144,356; Apr. 9.

Colwell, Laurence, assignor to Revlon Products Corporation, New York, N. Y. Sandal or similar article. 145,883; Nov. 12.

Commanche, Josephine A., Washington, D. C. Pen and pencil case. 145,778; Oct. 22.

Comptone Company, assignee: *See*—Adolf, Louis L.

Conroy, William J., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Well pump. 145,997; Dec. 3.

Conner, Guy O., Wheeling, W. Va. Casing for pressing or punching machines or the like. 143,712; Feb. 5.

Conrad, Tony J., Racine, Wis. Combined condiment container set and holder therefor. 143,465; Jan. 8.

Conroy, Edward J., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 145,120; July 2.

Conroy, Edward J., Meriden, Conn., assignor to International Silver Company. Spoon or other article of flatware. 145,157; July 9.

Consiglio, Emanuel P., Inglewood, Calif. Combined compact, match holder, and lipstick holder. 145,156; July 9.

Consiglio, Louis, Springfield, Mass. Boat. 145,884; Nov. 19.

Consolidated Cosmetics, assignee: *See*—Messenger, Ernest A.

Consolidated Industries, assignee: *See*—Scholl, Harry S.

Consolidated Razor Blade Co., Inc., assignee: *See*—Ervans, John.

Consolidated Vultee Aircraft Corporation, assignee: *See*—Sebold, Raymond C.

Sutton, Harry A.

Constant, Hoig H., New York, N. Y. Scarf or similar article. 144,156; Mar. 19.

Constantine, Arthur R., and M. H. Boldt, assignors to Bendix Home Appliances, Inc., South Bend, Ind. Vending machine. 145,710; Oct. 15.

Conterman, Fred A., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Washing machine receptacle. 144,609; May 7.

Continental Motors Corporation, assignee: *See*—Altman, Peter.

Tandler, William S., and de Weiss.

Contrisciani, Ella, New York, N. Y. Infant's bib. 143,405; Jan. 1.

Contrisciani, Ella, New York, N. Y. Infant's bib. 143,406; Jan. 1.

Convenient Carrier Corporation, assignee: *See*—Edgerton, Arthur H.

Conveyors Incorporated, assignee: *See*—Foster, Waldo E.

Conway, James V., Hinsdale, Ill., assignor to Heywood-Wakefield Company, Gardner, Mass. Car seat end support. 144,610; May 7.

Conway, James V., Hinsdale, Ill., assignor to Heywood-Wakefield Company, Gardner, Mass. Car seat end support. 144,611; May 7.

Cook, Dwight, Rydal, Pa. Finger ring. 146,017; Dec. 10.

Cookson, Lola, St. Louis, Mo. Combined clock and kiddie schedule. 145,121; July 2.

Cooper, Joseph, New York, N. Y. Folding tie rack. 145,069; June 25.

Copeland, Peter, assignor to S. Schwartz, New York, N. Y. Pocket flashlight or like article. 145,427; Aug. 20.

Cordley & Hayes, assignee: *See*—Whitt, Sidney A.

Cornwall, Hamilton O., Pelham Manor, N. Y. Combined ash tray and humidifier. 145,007; June 18.

Coro, Inc., assignee: *See*—Katz, Adolph.

Roberts, Jerome C.

Verrecchio, Gene.

- Corry-Jamestown Manufacturing Corporation, assignee: *See* Dahl, Herbert C.
Lindberg, Claus E.
Corso, Alice V., New York, N. Y. Tablecloth or similar article. 145,354; Aug. 6.
Corso, Alice V., New York, N. Y. Tablecloth or similar article. 145,428; Aug. 20.
Cosme, Peter A., Chicago, Ill. Sand box. 145,391; Aug. 13.
Coulter, Albert L., *See*—
Deree, William S., and Coulter.
Couts, M. Magdalene C., Dayton, Ohio. Wallpaper. 143,797; Feb. 12.
Coval National Bank of Portland, The, trustee, assignee, et al.: *See*—
Shepard, Ernest L.
Covington, James D., Dallas, assignor to Hilltop Manufacturing Company, Cockerell Hill, Tex. Combination desk and seat. 145,659; Oct. 1.
Cowan, Charles V., Beverly Hills, Calif. Combination chair and furniture base. 143,466; Jan. 8.
Crain, Darrell C., Washington, D. C. Fountain pen. 144,769; May 21.
Crain, Lawrence B., Los Angeles, Calif. Combined pencil and calendar. 145,122; July 2.
Crane Co., assignee: *See*—
Dreyfuss, Henry.
Zinkil, Roy H.
Zinkil, Roy H., and Dreyfuss.
Crane, Edith F., Poughkeepsie, N. Y. Color harmony palette. 144,909; June 4.
Crane, Edith F., Poughkeepsie, N. Y. Color harmony palette. 144,910; June 4.
Crane, Walton B., Beverly Hills, assignor to Allied Plastics Company, Los Angeles, Calif. Compact. 144,357; Apr. 9.
Crane, Walton B., Beverly Hills, assignor to Allied Plastics Company, Los Angeles, Calif. Vanity case. 145,008; June 18.
Crane, Walton B., Beverly Hills, assignor to E. M. Stolaroff, Los Angeles, Calif. Lip brush. 145,286; July 30.
Crawford, Albert E. B., London, England. Traffic line marking stud. 144,037; Mar. 5.
Crawford, George L., Jamestown, R. I. Toy ferry boat. 144,959; June 11.
Creative Plastics Corp., assignee: *See*—
Bel Geddes, Norman.
Cresdon, Neil J., Glens Falls, N. Y. Camera support. 144,840; May 28.
Crollard, D. B.: *See*—
Fillson, Dan, and Crollard.
Crompton, William, and M. J. Laurie, New York, N. Y. Pin or similar article. 143,798; Feb. 12.
Cronan, James E., Howell, Mich. Clotheshpin. 145,287; July 30.
Crowley, Frank P., Englewood, N. J. Suit hanger. 144,696; May 14.
Crystal Products Co., assignee: *See*—
Fisk, Evelyn J.
Crystal Products Company, assignee: *See*—
Gordenier, Robert E.
Culler, William H., San Marino, Calif. Tricycle. 145,600; Oct. 1.
Culpepper, John P., and K. C. May, New Orleans, La. Costume. 143,407; Jan. 1.
Cunningham, David, assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Desk tray. 143,467; Jan. 8.
Curran, Donald J., Hinsdale, Ill. Doll. 146,132; Dec. 31.
Curran, Frank J., Hinsdale, Ill. Toy cannon. 144,911; June 4.
Curtis, George L., Milwaukee, Wis. Fish pole holder. 143,952; Feb. 26.
Curtiss-Wright Corporation, assignee: *See*—
Eaton, Bruce G., Jr.
Kerr, John A., and Mattison.
Scott, Carl W.
Tydon, Walter, and Parnely.
Custard, Clarence E., Fulton, Mo. Alarm device or similar article. 144,697; May 14.
Cuter, Elizabeth, New York, N. Y. Dress. 143,468; Jan. 8.
Cutrow, Leonard A., Los Angeles, Calif. Chair. 145,927; Nov. 19.
Daelemans, George: *See*—
Nierenberg, Theodore D., and Daelemans.
Dahl, Herbert C., Columbus, assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa. Thumb piece for a drawer latch or similar article. 144,157; Mar. 19.
Dalley, Donald E., Bryn Mawr, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Refrigerator cabinet. 143,713; Feb. 5.
Dale, Paul, Chicago, Ill. Carpet sweeper casing. 145,563; Sept. 10.
Dalrymple, Henry C., West Orange, N. J., assignor to Guided Radio Corporation, New York, N. Y. Electric megaphone. 144,698; May 14.
Danish Trading Co., Inc., assignee: *See*—
Stokby, Axel.
D'Anselme, Amédée, Paris, France, assignor to Société d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris, France. Flask. 146,093; Dec. 24.
Danziger, Max, New York, N. Y. Desk or similar article. 143,469; Jan. 8.
Danziger, Max, New York, N. Y. Table. 144,699; May 14.
Darnell, Victor L., Spring Valley, assignor to The Master Electric Company, Dayton, Ohio. Hoist. 143,525; Jan. 15.
Darvie, Bernard, New York, N. Y. Brooch or similar article. 145,511; Sept. 3.
Darvie, Samuel, New York, N. Y. Brooch or similar article. 146,018; Dec. 10.
Davidson, Leonard D., Chicago, Ill. Game device. 143,526; Jan. 15.
Davidson, William A., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cabinet for a sewing machine. 145,998; Dec. 3.
Davis, Charles S., Brooklyn, N. Y. Combined table and chair. 145,779; Oct. 22.
Davis, Henry J., New York, N. Y. Dinner plate or the like. 144,158; Mar. 19.
Davis, John, and G. McAllister, Los Angeles, Calif. Shoe clog. 144,038; Mar. 5.
Davis, John V., and J. S. Hoffman, Detroit, Mich. Filter and pumping apparatus. 144,882; Apr. 23.
Davis, Joseph, Plastics Co., assignee: *See*—
Davis, Joseph.
Davis, Joseph, South Orange, assignor to Joseph Davis Plastics Co., Arlington, N. J. Serving dish or similar article. 145,711; Oct. 15.
Day-Brite Lighting, Inc., assignee: *See*—
Billier, David J., and Kaepfel.
Dayton Acme Co., assignee: *See*—
Stegman, Lester E.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone desk stand. 145,780; Oct. 22.
Dearborn Stove Company, assignee: *See*—
Becker, Aloysius W.
De Botehlo, Martin, New York, N. Y. Lipstick case or the like. 144,101; Mar. 12.
Dehmel, Richard C., Summit, N. J. Flight trainer hood. 146,076; Dec. 17.
Deitsch, Alan, New York, N. Y. Combined handbag and belt. 143,900; Feb. 19.
De Jen, Jean, Fairfield, Conn. Illuminating support for hand-held lecture papers or similar article. 145,244; July 23.
Delamere Company, Inc., assignee: *See*—
Huppert, William.
Deleit Enterprises, Inc., assignee: *See*—
de Waltoft, Samuel A.
De Lemos, John G., Palo Alto, Calif. Combination jigger and bottle opener. 145,245; July 23.
Dembielki, Joseph, Detroit, Mich. Piano case. 144,039; Mar. 5.
Demerco, Max C., Chicago, Ill. Handbag. 145,070; June 25.
De Mott, Armand, Fords, N. J. Lawn sprinkler. 144,102; Mar. 12.
De Pirro, Chris A., Chicago, Ill. Scoring device for pinocle and other games. 143,953; Feb. 26.
De Pirro, Chris A., Chicago, Ill. Baby carrier or similar article. 144,040; Mar. 5.
Deree, William S., and A. L. Coulter, Chicago, Ill. Pencil. 144,161; Mar. 19.
Derham, Philip A., Rosemont, Pa., assignor to I. Zussman, Brookline, Mass. Hand mirror or similar article. 143,954; Feb. 26.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 144,041; Mar. 5.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 144,104; Mar. 12.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 144,243; Apr. 23.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 144,484; Apr. 23.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 144,612; May 7.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 144,912; June 4.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,009; June 18.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,010; June 18.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,011; June 18.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,158; July 9.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,512; Sept. 3.

Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,661; Oct. 1.

Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,928; Nov. 19.

Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,975; Nov. 26.

Desenberger, Josef, assignor to W. F. and John Barnes Company, Rockford, Ill. Optical curve generator. 144,103; Mar. 12.

Design Center, Inc., assignee: *See—*

Prohl, Louis H.

Deskey, Donald, Annandale, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa. Moth preventive tablet. 144,159; Mar. 19.

Deters, Elmer M., assignor to Red Jacket Manufacturing Co., Davenport, Iowa. Hydrant. 144,160; Mar. 19.

Deters, Elmer M., assignor to Red Jacket Manufacturing Co., Davenport, Iowa. Deep well pump head. 145,595; Sept. 17.

Detoro, John, Milwaukee, Wis. Combination ash and garbage cabinet. 145,071; June 25.

Deutsch, Emanuel, New York, N. Y. Brooch mounted watchbase or similar article. 145,614; Sept. 24.

Deutz, Marie M., New York, N. Y. Handbag. 144,451; Apr. 16.

Deutz, Marie M., New York, N. Y. Handbag. 144,913; June 4.

Deutz, Marie M., New York, N. Y. Handbag. 144,914; June 4.

De Vanit, Ralph P., Arcadia, Calif. Vegetable peeler. 143,714; Feb. 5.

De Vilbiss Company, The, assignee: *See—*

Vuilleminot, Frederic A.

Devlin, Leo J.: *See—*

Heinemann, Edward H., and Devlin.

De Vry Corporation, assignee: *See—*

De Vry, William C.

De Vry, William C., assignor to De Vry Corporation, Chicago, Ill. Motion picture projecting machine. 144,841; May 28.

De Waltoft, Samuel A., New York, N. Y., assignor to Delet Enterprises, Inc., Los Angeles, Calif. Combined cap and dispenser for jars and the like. 143,581; Jan. 22.

De Weiss, Ferdinand A.: *See—*

Tandler, William S., and De Weiss.

De Woskin, Irvin S., University City, assignor to Belts Corporation, St. Louis, Mo. Grip for sanitary belts. 144,290; Apr. 2.

Dexter Company, Incorporated, assignee: *See—*

Ocone, Albert V.

Diamant, Fred J., New York, N. Y. Shoe or similar article. 143,799; Feb. 12.

Diamant, Fred J., New York, N. Y. Shoe or similar article. 143,800; Feb. 12.

Diamant, Fred J., New York, N. Y. Shoe or similar article. 143,955; Feb. 26.

Diamant, Fred J., New York, N. Y. Shoe or similar article. 144,162; Mar. 19.

Diamond, Freda, New York, assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 144,291; Apr. 2.

Diamond, Freda, New York, assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 144,292; Apr. 2.

Diamond, Freda, New York, assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 145,429; Aug. 20.

Diamond, Freda, New York, assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 145,662; Oct. 1.

Diamond Silver Company, assignee: *See—*

Lott, Howard R.

Di Cicco, Joseph, San Marcos, Tex. Sunglasses. 145,288; July 30.

Dickson, James J., Chicago, Ill., and R. W. Huzzard, York, Pa. Airplane. 145,929; Nov. 19.

Diehl, William, Summit, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,242; Mar. 26.

Diehl, William, Summit, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 143,957; Feb. 26.

Diehl, William, Summit, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 143,958; Feb. 26.

Diehl, William, Summit, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 143,959; Feb. 26.

Diehl, William, Summit, N. J., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,239; Mar. 26.

Diehl, William, Summit, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,240; Mar. 26.

Diehl, William, Summit, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,241; Mar. 26.

Diehl, William, Summit, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,242; Mar. 26.

Diehl, William, Summit, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,243; Mar. 26.

Dieplast Corporation, assignee: *See—*

Casano, Joseph.

Dieter, Walter G., Williamsport, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Latch unit. 144,485; Apr. 23.

Ditto, Incorporated, assignee: *See—*

Randell, Leo R.

Di Verdura, Fulco, New York, N. Y., assignor to Lucien Lelong, Inc., Chicago, Ill. Compact or similar article. 145,239; July 16.

Dixon-Bartlett Company, assignee: *See—*

Henkel, John.

Dodgege, Carl, Maywood, assignor to Harry L. Lieberman, doing business as Lakewood Mfg. Co., Chicago, Ill. Toy vehicle. 145,513; Sept. 3.

Doherty, Cecilia R., Los Angeles, Calif. Calendar blank or similar article. 144,842; May 28.

Dohm, Gerald A., Dearborn, Mich. Album. 144,843; May 28.

Dolnick, Meyer E., Chicago, Ill. Toothbrush. 144,163; Mar. 19.

Donahue, Colette A., New York, N. Y. Dress. 143,801; Feb. 12.

Donahue, Colette A., New York, N. Y. Dress. 143,802; Feb. 12.

Dougherty, John S., Jackson Heights, assignor to Plastics Design Guild, New York, N. Y. Compact. 144,042; Mar. 5.

Douglas Aircraft Company, Inc., assignee: *See—*

Heinemann, Edward H., and Devlin.

Douglas, Peyton W., Syracuse, N. Y. Baby bath. 143,715; Feb. 5.

Doyle, Glenn F., Dearborn, Mich. Motor driven vehicle. 145,072; June 25.

Doyle, Joel G., Kansas City, Mo. Rotary mower housing. 145,836; Oct. 29.

Doyle, Truman W., Los Angeles, Calif. Rug and upholstery extraction machine. 145,564; Sept. 10.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Snack plate or article of similar nature. 144,770; May 21.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass dessert plate or article of similar nature. 145,976; Nov. 26.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass bowl or article of similar nature. 146,019; Dec. 10.

Drell, William, New York, N. Y. Brooch or similar article. 143,803; Feb. 12.

Drell, William, New York, N. Y. Brooch or similar article. 143,804; Feb. 12.

Drell, William, New York, N. Y. Brooch or similar article. 143,805; Feb. 12.

Drell, William, New York, N. Y. Brooch or similar article. 143,806; Feb. 12.

Drell, William, New York, N. Y. Brooch or similar article. 143,960; Feb. 26.

Drell, William, New York, N. Y. Brooch or similar article. 143,961; Feb. 26.

Drell, William, New York, N. Y. Brooch or similar article. 143,962; Feb. 26.

Drell, William, New York, N. Y. Brooch or similar article. 143,963; Feb. 26.

Drell, William, New York, N. Y. Button or similar article. 144,486; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,487; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,488; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,489; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,490; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,491; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,492; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,493; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,494; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,495; Apr. 23.

Drell, William, New York, N. Y. Button or similar article. 144,700; May 14.

Drell, William, New York, N. Y. Button or similar article. 144,960; June 11.

Drell, William, New York, N. Y. Button or similar article. 144,961; June 11.

Drell, William, New York, N. Y. Button or similar article. 144,962; June 11.

Drell, William, New York, N. Y. Button or similar article. 144,963; June 11.

Drell, William, New York, N. Y. Button or similar article. 144,964; June 11.

Drell, William, New York, N. Y. Button or similar article. 144,965; June 11.

- Drell, William, New York, N. Y. Button or similar article. 144,966; June 11.
- Drell, William, New York, N. Y. Button or similar article. 145,012; June 18.
- Drell, William, New York, N. Y. Button or similar article. 145,013; June 18.
- Drell, William, New York, N. Y. Button or similar article. 145,014; June 18.
- Drell, William, New York, N. Y. Button or similar article. 145,015; June 18.
- Drell, William, New York, N. Y. Button or similar article. 145,016; June 18.
- Drell, William, New York, N. Y. Button or similar article. 145,017; June 18.
- Drell, William, New York, N. Y. Button or similar article. 145,018; June 18.
- Drell, William, New York, N. Y. Button or similar article. 145,565; Sept. 10.
- Drell, William, New York, N. Y. Button or similar article. 145,566; Sept. 10.
- Drell, William, New York, N. Y. Button or similar article. 145,567; Sept. 10.
- Drell, William, New York, N. Y. Button or similar article. 145,568; Sept. 10.
- Drell, William, New York, N. Y. Button or similar article. 145,569; Sept. 10.
- Drell, William, New York, N. Y. Button or similar article. 145,570; Sept. 10.
- Drell, William, New York, N. Y. Button or similar article. 145,571; Sept. 10.
- Dreyfuss, Henry: *See*—
Zinkl, Roy H., and Dreyfuss.
- Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Sink. 143,408; Jan. 1.
- Dreyfuss, Henry, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 144,164; Mar. 19.
- Dreyfuss, Henry, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 144,165; Mar. 19.
- Dreyfuss, Henry, New York, assignor to Carrier Corporation, Syracuse, N. Y. Room cooler of the window type. 144,452; Apr. 16.
- Driesner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Single spindle automatic metal working machine. 143,716; Feb. 5.
- Drogin, Martin M., Philadelphia, Pa., assignor to Freshmaster Corporation, Newark, N. J. Display cabinet. 144,496; Apr. 23.
- Dronet, Jules L.: *See*—
Mathis, Emile C., and Dronet.
- Dubey, Gertrude, New York, N. Y. Combined cigarette tray and holder. 145,123; July 2.
- Dubiner, Betty V., Toronto, Ontario, Canada. Combined shipping and display container. 143,717; Feb. 5.
- Dubinsky, Jack, and A. Insko, Chicago, Ill. Bracelet link or similar article. 145,355; Aug. 6.
- Du Brie, Stanley R., Detroit, Mich. Rotor for a windmill. 144,166; Mar. 19.
- Duer, Frederick L., Chicago, Ill. Child's chair. 145,781; Oct. 22.
- Duke, Ronald K., Los Angeles, Calif. Hand stamp. 145,144; Sept. 3.
- Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Clement, Theodore G.
- Dunham, Thomas M., Aurora, Ill. Cabinet or similar article. 144,844; May 28.
- Dunkelberger, Milton S., assignor to The American Display Company, Dayton, Ohio. Sprinkler. 143,409; Jan. 1.
- Dunn, Vincent J., New Rochelle, assignor to M. Pressner, Brooklyn, N. Y. Display stand for combs and the like. 145,289; July 30.
- Dunn, Vincent J., New Rochelle, assignor to M. Pressner, Brooklyn, N. Y. Display stand for combs and the like. 145,290; July 30.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
Kahn, Lester, and Rosedale.
- Duro Chrome Corporation, assignee: *See*—
Michelson, Lawrence M.
- Duro Metal Products Company, assignee: *See*—
Odum, William H.
- Dwiggins, Emil A., Howell, Mich. Sign. 143,901; Feb. 19.
- Dwiggins, Emil A., Howell, Mich. Sign. 143,902; Feb. 19.
- Dwiggins, Emil A., Howell, Mich. Sign. 143,903; Feb. 19.
- Dye, Robert E., Los Angeles, Calif. Combination holder for napkins and condiment sets. 144,105; Mar. 12.
- Dye, Robert E., Los Angeles, Calif. Napkin holder. 144,106; Mar. 12.
- E. A. Laboratories, Inc., assignee: *See*—
Hutcheson, Ray R.
- Eaton, Joseph K., Peoria, Ill. Shoe. 145,688; Oct. 8.
- Eagle Automatic Sales Corp., assignee: *See*—
Paley, Albert A.
- Eagle Pencil Company, assignee: *See*—
Hanle, Benjamin W.
- Eames, Kenneth R., Worcester, Mass. Articulated figure. 143,904; Feb. 19.
- Earle, Vana, New York, N. Y. Scarf or similar article. 144,167; Mar. 19.
- Early, Thomas V., assignor of one-half to I. E. Brooks, Baltimore, Md. Chimney-cowl. 143,965; Feb. 26.
- Eastham, Melville, assignor to General Radio Company, Cambridge, Mass. Control knob or similar article. 143,807; Feb. 12.
- Eastman Machine Company, assignee: *See*—
Hilgemann, Carl F.
- Eaton, Bruce G., Jr., Bexley, Ohio, assignor to Curtiss-Wright Corporation. Airplane. 144,107; Mar. 12.
- Ebaloy, Incorporated, assignee: *See*—
Aleks, Vytant.
- Eberle, Philip F., San Francisco, Calif. Shoe. 145,930; Nov. 19.
- Ecker, Adolph E., Spring Lake, Mich. Combined coin storage and display cabinet. 145,515; Sept. 3.
- Eckland, Everett B., Oak Park, Ill. Cabinet for picture and sound projection machine. 144,702; May 14.
- Eckland, Everett B., Oak Park, Ill. Assignor of one-half to J. T. Mangano, Chicago, Ill. Casing for coin operated game. 144,701; May 14.
- Eddy, Edwyn A.: *See*—
Beck, Derwood A., and Eddy.
- Eddy, Robert L., Warsaw, N. Y. Cover for a suture jar. 144,497; Apr. 23.
- Edenburn, Irene A., Chicago, Ill. Doll. 144,967; June 11.
- Edgerton, Arthur H., assignor to Convenient Carrier Corporation, Cleveland, Ohio. Bottle carrier. 143,808; Feb. 12.
- Edlund, Oscar T.: *See*—
Goulston, Dexter, and Edlund.
- Edson, Enid, New York, N. Y. Compact. 145,430; Aug. 20.
- Edwards, Charles E., Santa Paula, Calif. Turning signal. 146,009; Dec. 24.
- Eggleston, Allen J.: *See*—
Chandler, James H., and Eggleston.
- Eggleston, Allen J., Chicago, Ill., assignor to Ekco Products Company. Kitchen tool or similar article. 145,689; Oct. 8.
- Eisenberg, Max, New York, N. Y. Shoe or similar article. 143,809; Feb. 12.
- Eisenberg, Max, New York, N. Y. Shoe or similar article. 143,810; Feb. 12.
- Eisenberg, Max, New York, N. Y. Shoe or similar article. 143,811; Feb. 12.
- Eisenberg, Max, New York, N. Y. Shoe or similar article. 143,812; Feb. 12.
- Eisenberg, Max, New York, N. Y. Shoe or similar article. 143,813; Feb. 12.
- Eisenberg, Max, New York, N. Y. Shoe or similar article. 143,814; Feb. 12.
- Eitel-McCullough, Inc., assignee: *See*—
Eitel, William W., and McCullough.
- Eitel, William W., and J. A. McCullough, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 143,904; Feb. 19.
- Eitel, William W., and J. A. McCullough, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 143,905; Feb. 19.
- Eitel, William W., and J. A. McCullough, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 143,906; Feb. 19.
- Eitel, William W., and J. A. McCullough, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 143,907; Feb. 19.
- Eitel, William W., San Bruno, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 143,908; Feb. 19.
- Eitel, William W., San Bruno, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 143,909; Feb. 19.
- Eitel, William W., San Bruno, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 143,910; Feb. 19.
- Eitel, William W., San Bruno, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 143,911; Feb. 19.
- Eitel, William W., San Bruno, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 143,912; Feb. 19.
- Ekco Products Company, assignee: *See*—
Chandler, James H., and Eggleston.
- Chandler, James H., and Eggleston. Chandler, James H., and Zimmer. Eggleston, Allen J.
- Hvale, James L. Sekowski, George E. Zimmer, Myron J.
- Ekline, Henning A., and O. J. Blomberg, Chicago, Ill. Brake signal light. 143,648; Jan. 29.
- Elder, John W., Wilmette, Ill. Wrapping paper. 143,410; Jan. 1.
- Elder, John W., Wilmette, Ill. Wrapping paper. 145,019; June 18.
- Elder, John W., Wilmette, Ill. Wrapping paper. 145,020; June 18.
- Electric Arc, Inc., assignee: *See*—
Holtslag, Claude J.
- Kenlan, Clark C. Electrical Products Corporation, assignee: *See*—
Owen, Harold R.
- Electronic Corp. of America, assignee: *See*—
Scull, Robert C., and Martial.
- Elengy Sales, assignee: *See*—
Lieberman, William A., and Thomsen.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,198; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,199; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,200; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,201; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,202; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,203; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,204; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,205; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,206; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,207; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,208; July 16.

Elliott, Donald L., assignor to Allied Plastics Company, Los Angeles, Calif. Compact or similar article. 145,209; July 16.

Elliott, George E., Birmingham, Ala. Toy automobile. 144,043; Mar. 5.

Elliott, Lyle E., Battle Creek, Mich. Box or the like. 145,020; Dec. 10.

Ellis, David F., Clintonville, Wis. Darnier. 143,411; Jan. 1.

Elmore Silver Co., Inc., The, assignee: *See*—Malinowski, Harry A.

El-Mar Tube Products Company, et al., assignee: *See*—Baus, Edward C.

Emery, Frances, assignee: *See*—Katz, William.

Empire Products, Inc., assignee: *See*—Geigey, John J.

Endicott Johnson Corporation, assignee: *See*—Hickey, James J.

Endsley, James P., Sunnyvale, Calif. Night light. 145,782; Oct. 22.

Enfield, Wilbur M., San Francisco, Calif. Game board. 143,412; Jan. 1.

Engel, Elmer G., J. F. Scott, and G. V. Korda, New York, N. Y. Container for cigarettes or similar articles. 143,815; Feb. 12.

Engel, John B.: *See*—Peacock, Finley C., and Engel.

Engineers, Incorporated, assignee: *See*—Overath, George N.

Engleman, Dorthi, assignor to Carl Gutmann & Co., Inc., New York, N. Y. Sweater or similar article. 145,712; Oct. 15.

Engleman, Dorthi, assignor to Carl Gutmann & Co., Inc., New York, N. Y. Sweater or similar article. 145,713; Oct. 15.

Engleman, Dorthi, assignor to Carl Gutmann & Co., Inc., New York, N. Y. Sweater. 145,714; Oct. 15.

Engleman, Dorthi, assignor to Carl Gutmann & Co., Inc., New York, N. Y. Polo shirt or similar article. 145,788; Oct. 22.

Engman, Ralph P., Wauwatosa, and R. N. Sellon, Milwaukee, assignors to Hamilton Manufacturing Company, Two Rivers, Wis. Child's toilet seat. 144,771; May 21.

Engraving and Engine Turning Co., Inc., assignee: *See*—Buckow, Oscar A. von S.

Ensinger, Earl H., Cleveland, Ohio. Frame for portable conveyor. 143,718; Feb. 5.

Erdo Engineering Research & Development Company, assignee: *See*—Morton, Nathan E.

Erie Meter System, Inc., assignee: *See*—Adams, Wilbur H.

Erickson, Signa N., Pasadena, Calif. Chest or similar article. 143,413; Jan. 1.

Erickson, Signa N., Pasadena, Calif. Portable bar or similar article. 143,414; Jan. 1.

Ernst, Sophie B., West Los Angeles, Calif. Egg rack. 143,719; Feb. 5.

Esh, Barnett, New York, N. Y., assignor to Weisfeld & Goldberg, Inc., Seattle, Wash. Finger ring. 145,516; Sept. 3.

Esh, Barnett, New York, N. Y., assignor to Weisfeld & Goldberg, Inc., Seattle, Wash. Finger ring. 145,572; Sept. 10.

Etsick, Bryant, Los Angeles, Calif. Face plate for air conditioners. 146,100; Dec. 24.

Esterbrook Pen Company, The, assignee: *See*—Steinberg, Harold E.

Etched Products Corporation, assignee: *See*—Nierenberg, Theodore D., and Daelemans.

Etkin, Simon, New York, N. Y. Jacket. 144,168; Mar. 19.

Etkin, Simon, New York, N. Y. Jacket. 144,845; May 28.

Etkin, Simon, New York, N. Y. Jacket. 144,846; May 28.

Etkin, Simon, New York, N. Y. Jacket. 145,715; Oct. 15.

Eureka Vacuum Cleaner Company, assignee: *See*—Walker, George W.

Eureka Williams Corporation, assignee: *See*—Walker, George W.

Wittke, Kurt H.

Evans, John, Union, N. J. Watch band or similar article. 144,293; Apr. 2.

Evans, John, Union, assignor to Consolidated Razor Blade Co., Inc., Jersey City, N. J. Safety razor or similar article. 145,021; June 18.

Evelich, George J., Oakland, Calif. Toothbrush holder. 145,291; July 30.

Ewer, Kendall S., Cape May, N. J. Bucket hanger for ladders. 143,720; Feb. 5.

Faberman, Julian J., New York, N. Y. Educational game board. 143,527; Jan. 15.

Faberman, Julian J., New York, N. Y. Educational game board. 143,649; Jan. 29.

Fageol, William B., Kent, Ohio. Child's vehicle. 144,703; May 14.

Fairbank, Edwin J., Dorchester, Mass. Door knocker. 143,914; Feb. 19.

Fairbank, Murry N., Weston, and H. A. Marsh, Boston, assignors to Polaroid Corporation, Cambridge, Mass. Binoculars. 143,915; Feb. 19.

Fairbanks, Morse Co., assignee: *See*—Anderson, Gordon R.

Fannin, James H., Everett, Wash. Dancing toy. 144,044; Mar. 5.

Farber, Lillian, Toronto, Ontario, Canada, assignor, by mesne assignments, to Noell Products Company, New York, N. Y. Hand mirror. 145,392; Aug. 13.

Farber, Simon W., Brooklyn, N. Y. Pressure cooker. 144,498; Apr. 23.

Faries Manufacturing Company, assignee: *See*—Masterson, William F.

Farley, Ella A., New York, N. Y. Handbag. 146,077; Dec. 17.

Federal Glass Company, The, assignee: *See*—Nicholson, Albert H.

Federal Machine and Welder Company, assignee: *See*—Armstrong, Peter V.

Federal Telephone & Radio Corporation, assignee: *See*—Lombolt, Carl.

Sherman, Vernon W., Knapel, and Rothaug.

Feinberg, George J., Englewood, N. J. Textile fabric. 143,582; Jan. 22.

Feingold, Israel, New York, N. Y. Coat. 143,583; Jan. 22.

Feingold, Israel, New York, N. Y. Coat. 143,650; Jan. 29.

Feingold, Israel, New York, N. Y. Coat. 143,651; Jan. 29.

Feld, Samuel R., New York, N. Y. Tablecloth or similar article. 144,452; Apr. 16.

Fellen, Edward F.: *See*—Benson, Jerome V., and Fellen.

Felski, Joseph, Chicago, Ill. Bracelet. 143,721; Feb. 5.

Fennell, William A., Huntington Park, Calif., assignor to Little Castles, Incorporated. Building. 145,837; Oct. 29.

Fenton, Carl, Arcadia, Fla. Wind control weatherproof feed box or similar article. 145,124; July 2.

Ferrari, Bernard, La Cresenta, Calif. Sandal. 144,454; Apr. 16.

Feuer, Otto: *See*—Seidler, William, and Feuer.

Feurer Bros., assignee: *See*—Feurer, Robert.

Feurer, Robert, Jackson Heights, assignor to Feuer Bros., New York, N. Y. Cigarette lighter. 145,125; July 2.

Field and Flint Co., assignee: *See*—Wilcox, Clark L.

Field, Wilson J.: *See*—McLellan, Roderick I., and Field.

Fillson, Dan, and D. B. Crollard, Fairbanks, Territory of Alaska. Game board. 145,840; Oct. 29.

Fillson, Dan, and D. B. Crollard, Fairbanks, Alaska. Set of playing cards. 145,885; Nov. 12.

Fine, George, New York, N. Y. Diamond or similar article. 143,470; Jan. 8.

Fine, George, New York, N. Y. Diamond or similar article. 143,471; Jan. 8.

Finkelstein, Nathan, New York, N. Y. Jacket. 145,517; Sept. 3.

Finkelstein, Robert C., New York, N. Y. Doll's head. 145,022; June 18.

Finkelstein, Solomon, New York, N. Y. Clip or similar article. 144,772; May 21.

Finkelstein, Solomon, New York, N. Y. Brooch or similar article. 144,773; May 21.

Finkelstein, Solomon, New York, N. Y. Clip or similar article. 144,774; May 21.

Finkley, Barney, Forest Hill, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 144,169; Mar. 19.

- Fiorio, Ciro A., Northfield, Ill. Sundial. 145,931; Nov. 19.
- First Industrial Corporation, assignee: *See*—Hallward, Michael.
- Fischer, Ethel, New York, N. Y. Child's coat. 145,596; Sept. 17.
- Fish, Ned D., and L. P. Martin, Fort Madison, Iowa. Fountain pen. 144,353; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Book end. 144,366; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Book end. 144,367; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Book end. 144,368; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Book end. 144,369; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Book end. 144,370; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 144,371; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. The rack. 145,615; Sept. 24.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Pipe rest. 144,170; Mar. 19.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Box. 144,171; Mar. 19.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Candlestick. 144,244; Mar. 26.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 144,302; Apr. 2.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 144,303; Apr. 2.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 144,304; Apr. 2.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Picture frame or the like. 144,305; Apr. 2.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 144,359; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 144,360; Apr. 9.
- Fisher, Frederic H., Syracuse, N. Y., assignor to Syracuse Ornamental Co. Ash tray or like article. 144,361; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 144,362; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 144,363; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 144,364; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 144,365; Apr. 9.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Mirror frame or the like. 144,544; Apr. 30.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Bowl. 144,775; May 21.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Ash tray or the like. 144,776; May 21.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 144,915; June 4.
- Fisher, Frederic H., assignor to Syracuse Ornamental Co., Syracuse, N. Y. Wall bracket. 144,916; June 4.
- Fisk, Evelyn J., assignor to Crystal Products Co., Kansas City, Mo. Radio control knob. 145,210; July 16.
- Fisk, Ruth L., and A. Abicht, New York, N. Y. Combination brooch and compact. 143,966; Feb. 26.
- Fisk, Ruth L., and A. Abicht, New York, N. Y. Combined brooch and compact. 143,967; Feb. 26.
- Fitzpatrick, Arthur M., Jr., Detroit, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 143,690; Oct. 8.
- Fitzpatrick, Arthur M., Jr., Detroit, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 143,691; Oct. 8.
- Fitzpatrick, Arthur M., Jr., Detroit, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 143,692; Oct. 8.
- Fitzpatrick, Ralph J., Tulsa, Okla. Electrode puller. 143,415; Jan. 1.
- Flamm, Milton, assignee: *See*—Jenkins, Raymond.
- Flanagan, Thomas C., assignor of one-half to R. T. Maloney, Chicago, Ill. Radio cabinet or the like. 144,545; Apr. 30.
- Flanagan, Tyne D., Chicago, Ill. Fountain pen or the like. 145,431; Aug. 20.
- Flatau, James G., Chicago, Ill. Watch bracelet. 143,816; Feb. 12.
- Flato, Paul E., New York, N. Y. Ring or similar article. 144,499; Apr. 23.
- Flauder, Alfred J., Trumbull, assignor to Weidlich Sterling Spoon Co., Bridgeport, Conn. Spoon or analogous article. 143,416; Jan. 1.
- Flauder, Alfred J., Trumbull, assignor to Weidlich Sterling Spoon Co., Bridgeport, Conn. Spoon or analogous article. 143,418; Jan. 1.
- Fleming, Mary P.: *See*—Allen, Grosvenor N., and Fleming.
- Fleming, Robert B., assignor to Bert M. Morris Co., Los Angeles, Calif. Pencil sharpener. 144,777; May 21.
- Fletcher Aviation Corporation, assignee: *See*—Fletcher, Frank P.
- Fletcher, Frank P., assignor to Fletcher Aviation Corporation, Pasadena, Calif. Desk. 144,045; Mar. 5.
- Fletcher, Frank P., Pasadena, Calif. Holder for flowers or other slender articles. 145,867; Nov. 5.
- Fletcher, Frank P., Pasadena, Calif. Holder for flower or other slender articles. 145,868; Nov. 5.
- Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Photocopy machine. 143,652; Jan. 29.
- Flood, Products, Inc., assignee: *See*—Newcomer, Ernest J.
- Florence Stove Company, assignee: *See*—Kruick, Ralph E.
- Florian, Gordon W., Bridgeport, assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn. Electric sadiron. 144,847; May 28.
- Florian, Gordon W., Bridgeport, Conn., assignor to Reeves Laboratories, Inc., New York, N. Y. Electric coffee maker. 145,838; Oct. 29.
- Florian, Gordon W., Trumbull, Conn., assignor to General Electric Company. Coffee maker. 145,839; Oct. 29.
- Florman, Irving, New York, N. Y. Cigarette lighter or the like. 143,417; Jan. 1.
- Flood, Jack W., Seattle, Wash. Youth's costumer. 145,693; Oct. 8.
- Flynt, Robert C., Winston-Salem, N. C. Figure toy. 145,126; July 2.
- Flynt, Robert C., Winston-Salem, N. C. Figure toy. 145,127; July 2.
- Flynt, Robert C., Winston-Salem, N. C. Figure toy. 145,128; July 2.
- Flynt, Robert C., Winston-Salem, N. C. Figure toy. 145,129; July 2.
- Folke, Bengt E., Mamaroneck and R. H. Shepard, assignors to Shick Manufacturing Company, New York, N. Y. Mechanical lubricator. 145,393; Aug. 13.
- Ford Motor Company, assignee: *See*—Wagner, Willys P., and Gregorie.
- Fordyce, Charles L., assignor to Pitman-Dreitser & Co., Inc., New York, N. Y. Salt shaker or article of similar nature. 143,554; Jan. 22.
- Fordyce, Charles, assignor to Pitman-Dreitser & Co., Inc., New York, N. Y. Glass ash tray or article of similar nature. 144,046; Mar. 5.
- Foret, Edmond, New York, N. Y., and H. Graeter, Sherman, Conn., assignors to Cartier, Inc., New York, N. Y. Compact. 144,372; Apr. 9.
- Foret, Edmond, New York, N. Y., and H. Graeter, Sherman, Conn., assignors to Cartier, Inc., New York, N. Y. Compact. 145,073; June 25.
- Foret, Edmond, New York, N. Y., and H. Graeter, Sherman, Conn., assignors to Cartier, Inc., New York, N. Y. Compact. 145,716; Oct. 15.
- Forster, Henry, Broadview, Ill. Internal combustion engine unit. 144,047; Mar. 5.
- Foster, Waldo E., Minneapolis, assignor to Conveyors Incorporated, St. Paul, Minn. Feeder box for grain or the like. 145,159; July 9.
- Fournier, George E., Pawtucket, R. I. Link chain for a bracelet or similar article. 145,292; July 30.
- Fox, Cecil M., Toledo, Ohio, assignor to M. M. Mendelsohn, Chicago, Ill. Cigarette lighter. 145,886; Nov. 12.
- Fox, Hazel V., Philadelphia, Pa. Brush and pan assembly or the like. 145,887; Nov. 12.
- Frandsen, Jean, New York, N. Y. Dress or similar article. 145,293; July 30.
- Frank, Charles H., New Rochelle, N. Y. Conical button. 144,547; Apr. 30.
- Frank, Charles H., New Rochelle, N. Y. Rim button. 145,660; Oct. 1.
- Frank, Guenther A., New York, N. Y. Combination fob and telescopic picture wallet. 143,968; Feb. 26.
- Frank, Samuel K., Wheeling, W. Va. Ash tray or similar article. 145,573; Sept. 10.
- Frascino, Mario, New York, N. Y. Coat. 144,455; Apr. 23.
- Frascino, Mario, New York, N. Y. Suit. 145,432; Aug. 20.
- Frascino, Mario, New York, N. Y. Coat. 145,574; Sept. 10.
- Frascino, Mario, New York, N. Y. Coat. 145,597; Sept. 10.
- Frazita, Josephine, New York, N. Y. Dress. 144,968; June 11.
- Frechette, Frederic J., Jr.: *See*—Frechette, Frederic J., Sr., and F. J., Jr.
- Frechette, Frederic J., Sr., and F. J., Jr., Charleston, S. C. Statuette. 145,841; Oct. 29.
- Frederichs, Fred, New York, N. Y. Bottle. 144,500; Apr. 23.
- Freedman, Jules, New York, N. Y. Coat. 143,472; Jan. 8.
- Freedman, Jules, New York, N. Y. Suit. 144,048; Mar. 5.
- Freedman, Jules, New York, N. Y. Suit. 144,049; Mar. 5.
- Freedman, Jules, New York, N. Y. Suit. 144,050; Mar. 5.
- Freedman, Jules, New York, N. Y. Coat. 144,548; Apr. 30.

- Freedman, Jules, New York, N. Y. Coat. 144,613; May 7.
 Freedman, Jules, New York, N. Y. Coat. 144,614; May 7.
 Freedman, Jules, New York, N. Y. Suit. 144,848; May 28.
 Freedman, Jules, New York, N. Y. Suit. 144,849; May 28.
 Freedman, Jules, New York, N. Y. Suit. 144,850; May 28.
 Freedman, Jules, New York, N. Y. Suit. 144,917; June 4.
 Freedman, Jules, New York, N. Y. Coat. 145,023; June 18.
 Freedman, Jules, New York, N. Y. Suit. 145,433; Aug. 20.
 Freedman, Jules, New York, N. Y. Suit. 145,434; Aug. 20.
 Freedman, Jules, New York, N. Y. Suit. 145,435; Aug. 20.
 Freedman, Jules, New York, N. Y. Coat. 145,436; Aug. 20.
 Freedman, Jules, New York, N. Y. Coat. 145,616; Sept. 24.
 Freedman, Jules, New York, N. Y. Coat. 145,717; Oct. 15.
 Freedman, Jules, New York, N. Y. Coat. 146,021; Dec. 10.
 Freedman, Leonard I., New York, N. Y. Embossed leather or similar article. 144,704; May 14.
 Freedman, Leonard I., New York, N. Y. Embossed leather. 145,294; July 30.
 Freilich, Albert E., Tallahassee, assignor to Freel Research Laboratories, Chipley, Fla. Clock dial or similar article. 143,419; Jan. 1.
 Freel Research Laboratories, assignee: See—
 Freil, Albert E.
 Freeman, Robert M., U. S. Navy, assignor to the Government of the United States of America as represented by the Secretary of the Navy. Torpedo director. 144,108; Mar. 12.
 Frei, Otto, New York, N. Y. Liturgical founcing or similar article. 143,525; Jan. 15.
 Frei, Otto, New York, N. Y. Liturgical founcing or similar article. 143,529; Jan. 15.
 Freilich, Seymour, New York, N. Y. Blouse or similar article. 145,888; Nov. 12.
 Freshmaster Corporation, assignee: See—
 Drogin, Martin M.
 Freund, Peter, Jr., North Bergen, N. J. Sweater. 145,787; Oct. 22.
 Freyman, Herbert J., New York, N. Y. Electric steam radiator. 146,022; Dec. 10.
 Friedman, Joseph L., New York, N. Y. Plastic unit for handbags or the like. 144,172; Mar. 19.
 Friedman, Samuel C., New York, N. Y. Spoon or other article of flatware. 144,373; Apr. 9.
 Friedman, Theodore, New York, N. Y. Mirror. 143,653; Jan. 29.
 Friedman, Theodore, New York, N. Y. Mirror. 143,654; Jan. 29.
 Friedman, Theodore, New York, N. Y. Mirror. 143,655; Jan. 29.
 Frischer Joseph, Long Beach, N. Y. Plaited-embossed artificial leather fabric or the like. 143,723; Feb. 5.
 Frohman, Arthur, New York, N. Y. Mask or similar article. 144,851; May 28.
 Frohman, Arthur, New York, N. Y. Mask or similar article. 144,852; May 28.
 Fulkerson, Josephine S., Joplin, Mo., and G. C. McCoy, Pittsburg, Kans. Powder mitt. 143,817; Feb. 12.
 Fuller Brush Company, The, assignee: See—
 Le Febvre, Alfred L.
 Fuller, Carlton P., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 144,615; May 7.
 Fulton Company, The, assignee: See—
 Riemann, Howard C.
 Furst, Clifford A., New York, N. Y. Handbag or similar article. 144,456; Apr. 16.
 Fuschino, Charles A., West Hollywood, Calif. Game board. 144,374; Apr. 9.
 G-M Laboratories, Inc., assignee: See—
 Palma, Joseph, Jr.
 Gaines, Frank E., Alhambra, Calif. Industrial hand-truck or similar article. 143,420; Jan. 1.
 Gallagher, William P., assignor to International Register Company, Chicago, Ill. Clock case. 143,915; Feb. 19.
 Gallinang, Edwin H., Kansas City, Mo. Advertising device or similar article. 145,869; Nov. 5.
 Galper Samuel, Jamaica, N. Y. Leather or similar article. 144,616; May 7.
 Galtier, Jack, Chicago, Ill. Cigar and cigarette lighter. 145,130; July 2.
 Gantwarg, Charles, New York, N. Y. Finger ring. 144,918; June 4.
 Garbell, Max, Los Angeles, Calif. Cabinet for a computing machine or similar article. 144,778; May 21.
 Garcia, Leoncio, Youngstown, Ohio. Bird figure. 145,474; Aug. 27.
 Gardel, Robert: See—
 Strauss, Hermann, and Gardel.
 Gardner, Jacob P.: See—
 Allen, Robert L., and Gardner.
 Gardner, Samuel A., Chicago, Ill. Clock. 146,101; Dec. 24.
 Gardner, Samuel A., Chicago, Ill. Clock. 146,102; Dec. 24.
 Gargano, Frank J., Providence, R. I. Brooch. 145,475; Aug. 27.
 Gargano, Frank J., Providence, R. I. Brooch. 145,476; Aug. 27.
 Gargano, Frank J., Providence, R. I. Brooch. 145,842; Oct. 29.
 Garner, Robert V., Westwood, and A. P. Macchi, Walpole, assignors to Bird & Son, Inc., East Walpole, Mass. Hard-surfaced floor covering. 144,375; Apr. 9.
 Garner, Robert V., Westwood, and A. P. Macchi, Walpole, assignors to Bird & Son, Inc., East Walpole, Mass. Linoleum or similar hard-surfaced rug. 144,969; June 11.
 Garrett, Minnie G., and R. P. J. Higgins, Kansas City, Kans. Badge or like article. 144,801; Apr. 23.
 Gasner, Julius, administrator: See—
 Gasner, Sigmund.
 Gasner, Sigmund, deceased, New York, N. Y.; J. Gasner, administrator of said S. Gasner. Vacuum cleaner bag. 143,421; Jan. 1.
 Gass, Walter S., Seward, Nebr. Chair. 145,788; Oct. 22.
 Gayaut, Gilbert D., assignee: See—
 Salter, Florence B.
 Gayring, Wallace P., Minoa, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Cabinet pressing machine. 144,779; May 21.
 Gazda, Antoine, Providence, R. I. Helicopter. 144,705; May 14.
 Gazda, Antoine, Providence, R. I. Helicopter. 144,706; May 14.
 Gazda, Antoine, Providence, R. I. Helicopter. 144,707; May 14.
 Gazda, Antoine, Providence, R. I. Helicopter. 144,708; May 14.
 Gazda, Antoine, Providence, R. I. Helicopter. 144,709; May 14.
 Gazda, Antoine, Providence, R. I. Helicopter. 145,932; Nov. 19.
 Geissler, Edward D., Detroit, Mich. Hammer toy. 145,295; July 30.
 Geissler, Edward D., Detroit, Mich. Net toy. 145,296; July 30.
 Geissler, Edward D., Detroit, Mich. Pistol toy. 145,437; Aug. 20.
 Gelb, Abe, New York, N. Y. Narrow woven fabric. 145,246; July 23.
 Gem Rubber Corporation, assignee: See—
 Gottschalk, Emil.
 General Consumer Products, Inc., assignee: See—
 Heer, Raymond.
 General Electric Company, assignee: See—
 Florian, Gordon W.
 Getold, William B.
 Schnoor, Frederick D.
 General Motors Corporation, assignee: See—
 Jergenson, George A.
 General Radio Company, assignee: See—
 Eastham, Melville.
 General Tire & Rubber Company, The, assignee: See—
 Anderson, George W.
 Gerber, Albert J., assignor to Gerber Plastic Co., St. Louis, Mo. Food canister. 145,617; Sept. 24.
 Gerber Plastic Co., assignee: See—
 Gerber, Albert J.
 Geremia, John S., Meriden, Conn. Ash receiver. 144,780; May 21.
 Gerity-Adrian Manufacturing Corporation, assignee: See—
 Van Doren, Harold.
 Gerity, James, Jr., Adrian, assignor, by mesne assignments, to Gerity-Michigan Die Casting Company, Detroit, Mich. Double robe hook. 145,933; Nov. 19.
 Gerity, James, Jr., Adrian, assignor, by mesne assignments, to Gerity-Michigan Die Casting Company, Detroit, Mich. Combined soap dish and grab rail. 145,934; Nov. 19.
 Gerity, James, Jr., Adrian, assignor, by mesne assignments, to Gerity-Michigan Die Casting Company, Detroit, Mich. Wall bracket. 146,078; Dec. 17.
 Gerity-Michigan Die Casting Company, assignee: See—
 Gerity, James, Jr.
 Gerson, Samuel L., Millville, N. J. Dish. 144,781; May 21.
 Gerd, Otto, Chicago, Ill. Font of type. 144,548; Apr. 30.
 Getgey, John J., assignor to Empire Products, Inc., Cincinnati, Ohio. Hand tool for gardening. 143,724; Feb. 5.
 Getgey, John J., assignor to Empire Products, Inc., Cincinnati, Ohio. Hand tool for gardening. 144,376; Apr. 9.
 Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Demountable key guard for a saxophone. 145,889; Nov. 12.
 Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Bell brace for a saxophone. 145,890; Nov. 12.
 Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Saxophone. 145,891; Nov. 12.
 Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Combined saxophone neck, mouth pipe, fastening and mouthpiece key. 145,892; Nov. 12.

- Ginsberg, Philip, Brooklyn, N. Y. Suspenders. 144,549; Apr. 30.
- Giordano, Nicholas J., assignee: *See*—
- Kell, Frank J.
- Giovagnoni, Violet, New York, N. Y. Negligee. 144,970; June 11.
- Giraldi, William A., Davenport, Iowa, assignor to National Lock Company, Rockford, Ill. Applique emblem or similar article. 143,530; Jan. 15.
- Gladen, Carl F., Bay City, Mich. Adjustable ventilator for airplanes. 146,133; Dec. 31.
- Glasco, Lowell M., Dallas, Tex. Carousel. 145,518; Sept. 3.
- Glassman, Milton, New York, N. Y. Coin bank. 144,617; May 7.
- Glassman, Milton, New York, N. Y. Coin bank. 144,618; May 7.
- Glatau, James G., Chicago, Ill., assignor to J. J. White Manufacturing Company, Providence, R. I. Finger ring. 143,722; Feb. 5.
- Glattbar, George E., University Heights, and J. Terr, Cleveland Heights, assignors to The Art Metal Company, Cleveland, Ohio. Ultraviolet sterilizer. 146,103; Dec. 24.
- Gleitsman, Harold, New Rochelle, N. Y. Chair or similar article. 144,853; May 28.
- Gleitsman, Harold, New Rochelle, N. Y. Chair or similar article. 145,074; June 25.
- Globe Roofing Products Co., Inc., assignee: *See*—
- Coburn, Abbott.
- Globe-Union Inc., assignee: *See*—
- Suter, George D.
- Gloeckler, Frederick M.: *See*—
- Bennett, Theodore C., Morton, and Gloeckler.
- Gobelin Company, Inc., The, assignee: *See*—
- Godfrey, Charles J., Philadelphia, Pa., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Ironing machine. 146,023; Dec. 10.
- Petremont, Gordon A., Benjamin, and Brown.
- Goff, Edgar H., Hilton, Va. Picture frame. 143,916; Feb. 19.
- Gold, Ira, Chicago, Ill. Educational toy. 144,919; June 4.
- Goldberg, Harry, New York, N. Y. Coat. 145,598; Sept. 17.
- Goldberg, Harry, New York, N. Y. Coat. 145,599; Sept. 17.
- Goldberg, Harry, New York, N. Y. Coat. 145,618; Sept. 24.
- Goldberg, Harry, New York, N. Y. Coat. 145,719; Oct. 15.
- Goldberg, Harry, New York, N. Y. Coat. 145,720; Oct. 15.
- Goldberg, Harry, New York, N. Y. Coat. 145,935; Nov. 19.
- Goldberg, Jerome, assignor to Columbia Handbag Corp., New York, N. Y. Plastic block. 145,936; Nov. 19.
- Goldboss, Beatrice, assignee, et al.: *See*—
- Lieberman, William A., and Thomsen.
- Golden, Zelma, New York, N. Y. Jacket. 143,473; Jan. 8.
- Golden, Zelma, New York, N. Y. Jacket. 143,474; Jan. 8.
- Golden, Zelma, New York, N. Y. Jacket. 143,475; Jan. 8.
- Golden, Zelma, New York, N. Y. Dress. 143,476; Jan. 8.
- Golden, Zelma, New York, N. Y. Dress. 143,477; Jan. 8.
- Golden, Zelma, New York, N. Y. Dress. 143,818; Feb. 12.
- Golden, Zelma, New York, N. Y. Dress. 144,173; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,174; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,175; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,176; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,177; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,178; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,179; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,180; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,181; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,182; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,183; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,184; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,185; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,186; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,187; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,188; Mar. 19.
- Golden, Zelma, New York, N. Y. Jacket. 144,189; Mar. 19.
- Golden, Zelma, New York, N. Y. Jacket. 144,190; Mar. 19.
- Golden, Zelma, New York, N. Y. Dress. 144,245; Mar. 26.
- Golden, Zelma, New York, N. Y. Dress. 144,294; Apr. 2.
- Golden, Zelma, New York, N. Y. Dress. 144,457; Apr. 2.
- Golden, Zelma, New York, N. Y. Dress. 144,500; Apr. 30.
- Golden, Zelma, New York, N. Y. Jacket. 144,551; Apr. 30.
- Golden, Zelma, New York, N. Y. Dress. 145,160; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,161; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,162; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,163; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,164; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,165; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,166; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,167; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,168; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,169; July 9.
- Golden, Zelma, New York, N. Y. Dress. 145,170; July 9.
- Golden, Zelma, New York, N. Y. Jacket. 145,721; Oct. 15.
- Golden, Zelma, New York, N. Y. Jacket. 145,722; Oct. 15.
- Golden, Zelma, New York, N. Y. Jacket. 145,723; Oct. 15.
- Golden, Zelma, New York, N. Y. Jacket. 145,724; Oct. 15.
- Golden, Zelma, New York, N. Y. Jacket. 145,725; Oct. 15.
- Golden, Zelma, New York, N. Y. Jacket. 145,726; Oct. 15.
- Golden, Zelma, New York, N. Y. Jacket. 145,727; Oct. 15.
- Golden, Zelma, New York, N. Y. Jacket. 145,728; Oct. 15.
- Golden, Zelma, New York, N. Y. Dress. 145,789; Oct. 22.
- Golden, Zelma, New York, N. Y. Dress. 145,790; Oct. 22.
- Golden, Zelma, New York, N. Y. Dress. 145,791; Oct. 22.
- Golden, Zelma, New York, N. Y. Dress. 145,792; Oct. 22.
- Golden, Zelma, New York, N. Y. Dress. 145,793; Oct. 22.
- Golden, Zelma, New York, N. Y. Dress. 145,794; Oct. 22.
- Golden, Zelma, New York, N. Y. Dress. 145,795; Oct. 22.
- Golden, Zelma, New York, N. Y. Dress. 145,796; Oct. 22.
- Golden, Zelma, New York, N. Y. Dress. 145,797; Oct. 22.
- Golden, Zelma, New York, N. Y. Dress. 146,079; Dec. 17.
- Goldfrank, John, New York, N. Y. Embroidered trimming. 144,552; Apr. 30.
- Goldfrank, John, New York, N. Y. Embroidered trimming. 144,553; Apr. 30.
- Goldfabrics Company, assignee: *See*—
- Park, Arthur Y.
- Goldman, Gloria, Los Angeles, Calif. Cigarette holder. 144,854; May 28.
- Goldman, Gloria, Los Angeles, Calif. Cigarette case. 144,855; May 28.
- Goldsmith, Elmer P., New York, N. Y. Embroidered monogrammed medalion. 144,554; Apr. 30.
- Goldstein, Louis H., Providence, R. I., and H. Lustig, New York, N. Y. Brooch or similar article. 144,051; Mar. 5.
- Goldstein, Louis H., Providence, R. I., and H. Lustig, New York, N. Y. Brooch or similar article. 144,052; Mar. 5.
- Goldstein, Louis H., Providence, R. I., and H. Lustig, New York, N. Y. Brooch or similar article. 144,053; Mar. 5.
- Goldstein, Louis H., Providence, R. I., and H. Lustig, New York, N. Y. Brooch or similar article. 144,054; Mar. 5.
- Goldstein, Louis H., Providence, R. I., and H. Lustig, New York, N. Y. Brooch or similar article. 144,055; Mar. 5.
- Goldwater, Bernard L., West Haven, Conn. Deck of playing cards. 145,075; June 25.
- Goodall, Leonard B., Warrensburg, Mo. Power driven lawn trimmer. 145,438; Aug. 20.
- Goodman, Louis, Los Angeles, Calif. Portable sundial. 144,377; Apr. 9.
- Goodman, William L., Jr., Chicago, Ill. Cabinet for combination stove and refrigerator unit. 145,999; Dec. 3.
- Goodrich, B. F. Company, The, assignee: *See*—
- L'Hollier, Leslie H.
- Goodstein, David M., New York, N. Y. Dress. 145,798; Oct. 22.
- Goodstein, David M., New York, N. Y. Dress. 145,799; Oct. 22.
- Goodstein, David M., New York, N. Y. Dress. 145,843; Oct. 22.
- Goodstein, Robert E., St. Paul, Minn., assignor to Crystal Products Company, Kansas City, Mo. Radio cabinet. 145,076; June 25.
- Gordon, David, Los Angeles, Calif. Jewelry charm. 143,422; Jan. 1.
- Gorham Manufacturing Company, assignee: *See*—
- Price, James R.
- Woodward, Frederick R.
- Gosling, Henry A., assignee: *See*—
- Case, Frank P.
- Gosling, Henry A., assignor of one-half to F. P. Case, Chicago, Ill. Soda straw dispenser. 144,710; May 14.
- Gostkowski, Bedri H., assignor to Universal Lighters Selling Company Ltd., Geneva, Switzerland. Cigar and cigarette lighter. 143,585; Jan. 22.

- Gottlieb, Louis, Philadelphia, Pa. Beverage dispenser. 144,555; Apr. 30.
- Gottschalk, Emil, assignor to Gem Rubber Corporation, New York, N. Y. Rubber overshoe. 145,439; Aug. 20.
- Gottschalk, Rose, assignor to Edgar C. Hyman Co., New York, N. Y. Scarf. 145,619; Sept. 24.
- Goughnour, Fay T., Des Moines, Iowa. Screen door latch. 144,556; Apr. 30.
- Gouglar, C. L., Keyless Lock Company, The, assignee: See—
- Boulball, Edward F.
- Goulston, Dexter, and O. T. Edlund, Detroit, Mich. Smoking pipe. 143,423; Jan. 1.
- Graboi, Michael, New York, N. Y. Lipstick holder or similar article. 145,077; June 25.
- Graeter, Harold: See—
- Forest, Edmond, and Graeter.
- Graeter, Harold, Sherman, Conn., assignor to Cartier, Inc., New York, N. Y. Clock. 143,478; Jan. 8.
- Graeter, Harold, Sherman, Conn., assignor to Cartier, Inc., New York, N. Y. Combined lapel pin and perfume container. 145,894; Aug. 13.
- Graeter, Harold, Sherman, Conn., assignor to Cartier, Inc., New York, N. Y. Combined lapel pin and perfume container. 146,104; Dec. 24.
- Graham, Edward F., Normandy, Mo. Multipurpose tool. 144,920; June 4.
- Graham, Elizabeth N., New York, N. Y. Bottle. 143,656; Jan. 29.
- Graham, Elizabeth N., New York, N. Y. Bottle. 143,657; Jan. 29.
- Graham, Elizabeth N., New York, N. Y. Bottle or similar article. 144,246; Mar. 26.
- Graham, Elizabeth N., New York, N. Y. Bottle. 144,247; Mar. 26.
- Graham, Elizabeth N., New York, N. Y. Handbag. 144,557; Apr. 30.
- Graham, Elizabeth N., New York, N. Y. Bottle. 144,619; May 7.
- Graham, Elizabeth N., New York, N. Y. Lipstick case or similar article. 145,620; Sept. 24.
- Graham, Elizabeth N., New York, N. Y. Compact or similar article. 145,621; Sept. 24.
- Graham, Frank B., Lansing, Mich. Meat tenderer. 145,024; Dec. 10.
- Graham, Margaret B., assignor to Edgar C. Hyman Co., New York, N. Y. Scarf. 145,622; Sept. 24.
- Graham, Virginia S., Beverly Hills, Calif. Hair waving device. 145,893; Nov. 12.
- Grandon, Matthew R., Beverly Hills, Calif. Cigarette holder. 143,725; Feb. 5.
- Graven, Nettie E., Wooster, Ohio. Folding house vehicle or similar article. 145,440; Aug. 20.
- Graven, Nettie E., Wooster, Ohio. Folding house vehicle or similar article. 145,441; Aug. 20.
- Gray, Harry J., assignee: See—
- Sparks, Byron R.
- Gray, George F.: See—
- Prait, Verneur E.
- Gray, Harry H., Kansas City, Mo. Soap cake holder or similar article. 145,729; Oct. 15.
- Gray, London R.: See—
- Hufford, Lewis C., and Gray.
- Green, Lee B., Lakewood, Ohio. Milk can. 143,586; Jan. 22.
- Green, Robert O., New York, N. Y. Shoe ornament or similar article. 143,424; Jan. 1.
- Green, Warren, Noroton Heights, Conn., and P. Schladermunt, Bronxville, assignors to Salz Bros. Inc., New York, N. Y. Clip for a fountain pen or similar article. 145,171; July 9.
- Green, Warren, Noroton Heights, Conn., and P. Schladermunt, Bronxville, assignors to Salz Bros. Inc., New York, N. Y. Fountain pen. 145,870; Nov. 5.
- Green, Warren B., Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill. Boiler. 145,078; June 25.
- Green, Warren B., Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill. Bath tub. 145,211; July 16.
- Greenberg, Morris, New York, N. Y. Slipper. 145,937; Nov. 19.
- Gregorie, Eugene T.: See—
- Wagner, Willys P., and Gregorie.
- Gren, Michael, Rome, N. Y. Combined inkstand and similar article. 143,479; Jan. 8.
- Griffith, Jane F., New York, N. Y. Pull toy or similar article. 145,844; Oct. 29.
- Gro-Cord Rubber Company, assignee: See—
- Knisely, Virgil M.
- Groetschen, Richard, Chicago, Ill. Cooker. 143,726; Feb. 5.
- Grohs, Theodore A., Los Angeles, assignor to Interstate Aircraft and Engineering Corp., El Segundo, Calif. Vacuum cleaner casing. 144,558; Apr. 30.
- Groppe, Victor E., assignee, et al.: See—
- Adolf, Raymond L.
- Grose, Austin W., Celoron, N. Y. Clothesline fastener. 143,727; Feb. 5.
- Gross, Alexander S., New York, N. Y. Dress. 143,587; Jan. 22.
- Gross, Robert E., Bel-Air, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 143,969; Feb. 26.
- Grossi, Frederick, Los Angeles, Calif. Table. 145,131; July 2.
- Grossian Music Co., assignee: See—
- Brockman, Morton S.
- Thompson, Josephus.
- Grosvenor, Richard B., Piqua, Ohio. Infant's toy figure, or similar article. 145,395; Aug. 13.
- Grosvenor, Richard B., Piqua, Ohio. Infant's teething toy figure or similar article. 145,894; Nov. 12.
- Grosvenor, Richard B., Piqua, Ohio. Infant's teething toy figure or similar article. 145,895; Nov. 12.
- Grosvenor, Richard B., Piqua, Ohio. Infant's teething toy figure or similar article. 145,896; Nov. 12.
- Groves Shoe Co., assignee: See—
- Ingram, Thomas R.
- Gruber, Abe, New York, N. Y. Coat. 143,480; Jan. 8.
- Gruber, Abe, New York, N. Y. Coat. 143,481; Jan. 8.
- Gruber, Abe, New York, N. Y. Coat. 143,482; Jan. 8.
- Grun, Otto, New York, N. Y. Bracelet. 143,588; Jan. 22.
- Grun, Otto, New York, N. Y. Earring. 143,589; Jan. 22.
- Grun, Otto, New York, N. Y. Finger ring. 143,590; Jan. 22.
- Grun, Otto, New York, N. Y. Brooch or similar article. 143,591; Jan. 22.
- Guided Radio Corporation, assignee: See—
- Dalrymple, Henry C.
- Guido, Lurelle: See—
- Smallwood, Albert E., and Guido.
- Guido, Lurelle, Darien, Conn., assignor to The Aluminum Cook Utensil Company, New Kensington, Pa. Stool. 145,938; Nov. 19.
- Guido, Lurelle, Darien, Conn., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Chair. 146,086; Dec. 17.
- Gulotta, Gerald D., assignor to R. W. Hays, Rockford, Ill. Pencil sharpener. 145,939; Nov. 19.
- Gumb, Daniel E., Milwaukee, Wis. Hair comb. 145,079; June 25.
- Gump, S. & S. Co., assignee: See—
- Bowen, Alice S.
- Gutmann, Carl & Co., Inc., assignee: See—
- Engleman, Dorthi.
- H. M. C. Company, assignee: See—
- Hoover, Frank M., and Homer.
- Haggsstrom, Arthur C., assignor to C. E. Thredy, Rockford, Ill. Platform scale. 144,101; Mar. 19.
- Hagquist, Bernard C.: See—
- Meek, Melvin J., and Hagquist.
- Hair, Clifford, Downey, Calif. Tricycle. 143,592; Jan. 22.
- Hale, Frank R., assignor to H. S. La Poff, Paterson, N. J. Combined salt and pepper shaker or similar article. 145,730; Oct. 15.
- Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company. Pen desk stand. 145,804; Oct. 22.
- Hall Brothers, Incorporated, assignee: See—
- Keeney, Frances.
- Hall, Howard H., Denver, Colo. Meat display separator. 143,728; Feb. 5.
- Hall, Isabel H., New York, N. Y. Towel or similar article. 145,575; Sept. 10.
- Hall, Isabel H., New York, N. Y. Towel or similar article. 145,575; Sept. 10.
- Hall, Randolph F.: See—
- Rhodes, Edgar P., and Hall.
- Hall, Randolph F., Rochester, and E. P. Rhodes, Clarence, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 143,729; Feb. 5.
- Hall, Randolph F., Rochester, and E. P. Rhodes, Clarence, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 143,730; Feb. 5.
- Hall, Randolph F., Rochester, and E. P. Rhodes, Clarence, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 143,731; Feb. 5.
- Hall, Randolph F., Rochester, and E. P. Rhodes, Clarence, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 143,732; Feb. 5.
- Hallward, Michael, Swampscott, Mass., assignor to First Industrial Corporation, Wilmington, Del. Push-button signaling device. 144,306; Apr. 2.
- Hallward, Michael, Swampscott, Mass. Clock. 145,576; Sept. 10.
- Hamill, Virginia, New York, N. Y. Textile fabric or similar article. 144,559; Apr. 30.
- Hansen, Edwin E., Astoria, Ore. Mass. Flame failure control unit. 145,442; Aug. 20.
- Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Napkin or similar article. 145,132; July 2.
- Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 145,133; July 2.
- Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Doily or similar article. 146,135; Dec. 31.
- Hamilton Manufacturing Company, assignee: See—
- Engman, Ralph P., and Sellon.
- Hamre, Marion R., Oceanside, N. Y. Fabric. 144,921; June 4.
- Hansen, Edwin E., Astoria, Ore. Trundle toy. 146,136; Dec. 31.
- Hansen, Julius E., Rochester, N. Y. Eye shade or similar article. 144,560; Apr. 30.

- Hanson, Hans P., Chicago, Ill. Flowerpot holder. 144,248; Mar. 26.
- Hardwick & Magee Company, assignee: *See—*
- Schmidt, Earl C.
- Wildgust, Alton C. C.
- Hardy, Charles W., New York, N. Y. Handbag frame. 145,664; Oct. 1.
- Hardy, William, Chevy Chase, and N. F. Hollander, Bethesda, Md. Golf club head. 145,080; June 25.
- Hardy, Charles W., New York, N. Y. Earring. 145,134; July 2.
- Harle, Luke L.: *See—*
- Brown, Kenneth H.
- Harrington, King, San Francisco, Calif. Container for candy, perfume, flowers, and the like. 145,845; Oct. 29.
- Harris, Myer J., Richmond, Va. Building siding panel or the like. 144,378; Apr. 9.
- Harris, Samuel A., Winston-Salem, N. C. Combined marking instrument and stand. 146,025; Dec. 10.
- Harris, Walter J., assignor to Pacific Marine Supply Company, Seattle, Wash. Fish-line weight. 143,531; Jan. 15.
- Harrison, William H., Los Angeles, Calif. Colorimeter. 146,137; Dec. 31.
- Harsany, Louis S., Cleveland, Ohio. Combination chair and table. 145,443; Aug. 20.
- Hart, Amples O.: *See—*
- Hart, Claybourne W., and A. O. Hart, Chicago, Ill. Table or similar article. 145,519; Sept. 3.
- Hart, Claybourne W., and A. O. Hart, Chicago, Ill. Table or similar article. 145,520; Sept. 3.
- Hart, George B., Inc. assignor: *See—*
- Bittel, John A. and H. E.
- Hart, Roy R., San Jose, Calif. Game board. 146,105; Dec. 24.
- Harvey Machine Co., Inc., assignee: *See—*
- Orkin, Samuel.
- Harvot, Richard E.: *See—*
- Hite, Walter A., Harvot, and Williams.
- Harwood, Wallace, New York, N. Y., assignor to Academy Award Products, Inc. Pen rack or similar article. 146,138; Dec. 31.
- Hasche, Carl H., Los Angeles, Calif. Portable bar or similar article. 145,521; Sept. 3.
- Hat Corporation of America, assignee: *See—*
- Maxwell, Paul M., and Russey.
- Hathaway, William R., West Haven, assignor to United Advertising Corporation, New Haven, Conn. Broiler or the like. 145,897; Nov. 12.
- Hauret, Thomas L., Los Angeles, Calif. Boot jack. 143,819; Feb. 12.
- Hauser, Edgar R., Birmingham, Ala. Toy dog or similar article. 145,081; June 25.
- Hauser, Jon W., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Pencil sharpener. 145,477; Aug. 27.
- Havens, Cecil R., Kansas City, Mo. Jar or similar article. 145,212; July 16.
- Hays, Roy W., assignee: *See—*
- Gulotta, Gerald D.
- Hazard, John H., Flushing, assignor to Hollywood Jewelry Mfg. Co., New York, N. Y. Bracelet or similar article. 144,561; Apr. 30.
- Hazard, John H., Flushing, assignor to Hollywood Jewelry Mfg. Co., New York, N. Y. Bracelet or similar article. 144,562; Apr. 30.
- Hazard, John H., Flushing, assignor to Hollywood Jewelry Mfg. Co., New York, N. Y. Bracelet or similar article. 144,563; Apr. 30.
- Hazard, John H., Flushing, assignor to Hollywood Jewelry Mfg. Co., New York, N. Y. Brooch or similar article. 144,711; May 14.
- Hazard, John H., Flushing, assignor to Hollywood Jewelry Mfg. Co., New York, N. Y. Earring or similar article. 144,712; May 14.
- Head, Richard G., Los Angeles, Calif. Garden tool head. 145,082; June 25.
- Healey, John A., Chicago, Ill. Pull toy. 145,694; Oct. 8.
- Heath, Robert, Fort Collins, Colo. Tractor hitch. 143,970; Feb. 26.
- Hecht, Arno, Babylon, assignor to H. Schirokauer, New York, N. Y. Bicycle. 145,135; July 2.
- Hedrick, Floyd W., Vancouver, Wash. assignor of one-half to F. G. Snyder, Vanport, Ore. Separator for displaying merchandise. 143,658; Jan. 29.
- Heer, Raymond, assignor to General Consumer Products, Inc., Chicago, Ill. Electric stove. 145,695; Oct. 8.
- Hell, William W., Dumont, N. J. Bookmark. 144,564; Apr. 30.
- Hellbroner, Hedwig, and G. R. Arons, New York, N. Y. Picture frame. 144,022; June 4.
- Heinecke, Earl: *See—*
- Mora, Vincent L., and Heinecke.
- Heinemann, Edward H., and L. J. Devlin, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 144,713; May 14.
- Heinemann, Edward H., and L. J. Devlin, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 144,714; May 14.
- Heinz, Otto W., Pittsburgh, Pa. Goggles. 144,782; May 21.
- Heifenhein, Richard C.: *See—*
- Zabel, William C. P., and Helfenhein.
- Helsley, Virginia, New York, N. Y. Tablecloth or similar article. 143,483; Jan. 8.
- Helsley, Virginia, New York, N. Y. Tablecloth or similar article. 143,484; Jan. 8.
- Helsley, Virginia, New York, N. Y. Tablecloth or similar article. 145,478; Aug. 27.
- Helsley, Virginia, New York, N. Y. Tablecloth or similar article. 145,479; Aug. 27.
- Helsley, Virginia, New York, N. Y. Tablecloth or similar article. 145,480; Aug. 27.
- Hemp, Arlington E., assignee: *See—*
- McCalla, Hazel M.
- Hendler, Bernard R., assignee: *See—*
- Burger, Charles H.
- Henkel, John, Baltimore, Md., assignor to Dixon-Bartlett Company, Shoe. 145,577; Sept. 10.
- Hensley, Frieda D., San Francisco, Calif. Ash tray. 143,485; Jan. 8.
- Hewitt, William B.: *See—*
- Bogert, Ormonde, and Hewitt.
- Heywood-Wakefield Company, assignee: *See—*
- Conway, James V.
- Schladermunde, Peter, and Rado.
- Hibbard, Hall L., West Los Angeles, and C. L. Johnson, Encinitas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 143,820; Feb. 12.
- Hickey, James J., Binghamton, assignor to Endicott Johnson Corporation, Endicott, N. Y. Shoe. 145,731; Oct. 15.
- Higley, Edna R., Trenton, N. J. Blanket wrap. 144,715; May 14.
- Hilgeman, Carl F., assignor to Eastman Machine Company, Buffalo, N. Y. Motor driven actuator for movable parts of an airplane or the like. 145,522; Sept. 3.
- Hill, C. V., and Company, Inc., assignee: *See—*
- Hoffman, Cyrus F.
- Hill, Joseph A., assignor to W. M. Klompus, Chicago, Ill. Alarm clock. 145,298; July 30.
- Hill-Shaw Company, assignee: *See—*
- Reinecke, Jean O.
- Hilltop Manufacturing Company, assignee: *See—*
- Covington, James D.
- Hiltbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld Co., New York, N. Y. Handbag. 144,458; Apr. 15.
- Hiltbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld Co., New York, N. Y. Handbag. 146,081; Dec. 17.
- Hinderer, Gottlob, assignor to Price-Pfister Mfg. Co., Los Angeles, Calif. Wall type swing spout. 144,249; Mar. 26.
- Hinson, William H., Webster Groves, Mo. Shoe. 146,106; Dec. 24.
- Hirsch, Benjamin F., Chicago, and S. A. Chmielewski, Cicero, Ill. Game board. 144,307; Apr. 2.
- Hirsch, Mahlon E.: *See—*
- Campbell, Laurie J., and Hirsch.
- Hite, Walter A., Palos Verdes Estates, R. E. Harvot, Ingewood, and D. H. Williams, Los Angeles, Calif., assignors to Interstate Aircraft and Engineering Corp. Airplane. 144,109; Mar. 12.
- Hite, Walter A., Palos Verdes Estates, R. E. Harvot, Ingewood, and D. H. Williams, Los Angeles, Calif., assignors to Interstate Aircraft and Engineering Corp. Airplane. 144,110; Mar. 12.
- Hite, Walter A., Palos Verdes Estates, R. E. Harvot, Ingewood, and D. H. Williams, Los Angeles, Calif., assignors to Interstate Aircraft and Engineering Corp. Airplane. 144,111; Mar. 12.
- Hite, Walter A., Palos Verdes Estates, R. E. Harvot, Ingewood, and D. H. Williams, Los Angeles, Calif., assignors to Interstate Aircraft and Engineering Corp. Airplane. 144,112; Mar. 12.
- Hite, Walter A., Palos Verdes Estates, R. E. Harvot, Ingewood, and D. H. Williams, Los Angeles, Calif., assignors to Interstate Aircraft and Engineering Corp. Airplane. 144,113; Mar. 12.
- Hobbs, Perry N., Brimson, and Cullie C. Merchant, Ridgeway, Mo. Heat circulating unit. 144,502; Apr. 23.
- Hobé, William W., New York, N. Y. Brooch pin or similar article. 143,486; Jan. 8.
- Hobé, William W., New York, N. Y. Brooch pin or similar article. 143,487; Jan. 8.
- Hobé, William W., New York, N. Y. Brooch pin or similar article. 143,488; Jan. 8.
- Hobé, William W., New York, N. Y. Brooch pin or similar article. 143,489; Jan. 8.
- Hobé, William W., New York, N. Y. Brooch pin or similar article. 143,490; Jan. 8.
- Hobé, William W., New York, N. Y. Brooch pin or similar article. 145,213; July 16.
- Hobé, William W., New York, N. Y. Brooch pin or similar article. 145,214; July 16.
- Hocker, Elston C., Oakland, Calif. Ant trap. 144,379; Apr. 9.
- Hockery, John C., assignee: *See—*
- Talge, Henry J.
- Hockery, John C., et al.: *See—*
- Majewski, Joseph M., Jr., and Talge.
- Hodge, T. Barry, Chicago, Ill. Toy boat. 144,503; Apr. 23.
- Hodge, T. Barry, Chicago, Ill. Package in the form of a boat. 144,504; Apr. 23.

- Hodge, T. Barry, Chicago, Ill. Container for toys and the like. 145,481; Aug. 27.
- Hodli, Kenneth A., assignor of forty percent to Fred G. Reimolds, Pittsburgh, Pa. Condiment shaker or similar article. 145,523; Sept. 3.
- Hoffman, Cyrus F., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Self-service display case. 144,380; Apr. 9.
- Hoffman, Cyrus F., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Self-service frosted food fixture. 145,136; July 2.
- Hoffmann, Edward C., St. Louis, Mo. Pencil sharpener. 143,917; Feb. 19.
- Hoffmann, John S.; *See—*
Davis, John V., and Hoffmann.
- Hoffman, Ladd W., Los Angeles, Calif. Pencil sharpener. 143,532; Jan. 15.
- Hoffman, Otto, Portland, Oreg. Trowel. 145,524; Sept. 3.
- Hofmann, John H., Sinking Spring, Pa. Shoulder cap for brooms. 144,971; June 11.
- Hohl, John; *See—*
Shapiro, Benjamin H., Thomas, and Hohl.
- Hollander, Lewis H., New York, N. Y. Embroidered fabric. 146,107; Dec. 24.
- Hollander, Nicholas P.; *See—*
Hurdy, William, and Hollander.
- Hollenbeck, Ernest L., Glendale, Calif. Smoking pipe. 143,593; Jan. 22.
- Hollis, James B., Los Angeles, Calif. Table. 144,565; Apr. 30.
- Hollywood Jewelry Mfg. Co., assignee; *See—*
Hazard, John H.
- Holmes, Caroline D., Scituate, R. I., assignor to Buckley & Scott, Inc. Advertising display figure or the like. 143,381; Apr. 9.
- Holmes, Clarence E., Tallahassee, Fla. Finger ring. 145,299; July 30.
- Holmes, Ester L., assignor of one-half to J. E. Holmes, San Diego, Calif. Teapot. 144,923; June 4.
- Holmes, Ester L., assignor of one-half to J. E. Holmes, San Diego, Calif. Teapot. 146,139; Dec. 31.
- Holmes, Joseph E., assignee; *See—*
Holmes, Ester L.
- Holmsky, Nicholas N., New York, N. Y. Wrist watch strap. 143,821; Feb. 12.
- Holmes, Claude J., South Orange, assignor to Electric Arc, Inc., Newark, N. J. Work positioner. 143,733; Feb. 5.
- Holt, Guild R.; *See—*
Pond, William B., and Holt.
- Holzman, Max L., assignee, et al.; *See—*
Rosenberg, Ben.
- Holzman, Sara W., assignee, et al.; *See—*
Rosenberg, Ben.
- Homan, Harold T., assignor to Alamo Pottery, Inc., San Antonio, Tex. Pitcher. 146,026; Dec. 10.
- Homer, Austin; *See—*
Hoover, Frank M., and Homer.
- Hoee, Hunter E., Chicago, and T. O. Mehan, Park Ridge, assignors to Multi-Sort Systems Incorporated, Chicago, Ill. Combined card punching machine and stand. 146,027; Dec. 10.
- Hoee, Hunter E., Chicago, and T. O. Mehan, Park Ridge, assignors to Multi-Sort Systems Incorporated, Chicago, Ill. Card punching machine. 146,028; Dec. 10.
- Hooper, Wallace C., Los Angeles, Calif. Toy gun. 145,805; Oct. 22.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,783; May 21.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,784; May 21.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,785; May 21.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,786; May 21.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,787; May 21.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,788; May 21.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,789; May 21.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 145,778; Sept. 10.
- Hoover, Frank M., Youngstown, Ohio, and A. Homer, Merion, Pa., assignors to H. M. C. Company, Youngstown, Ohio. Toy telephone. 144,566; Apr. 30.
- Hopkins, Wendell P., Beverly, Mass. Portable bar. 144,491; Jan. 8.
- Hoppe, Charles W., Buffalo, N. Y. Soap dispenser. 144,567; Apr. 30.
- Hornung, Clarence P., Hempstead Lake Park, N. Y. Combination food chopper and grinder. 143,535; Jan. 15.
- Hornung, Emil E., Jacksonville, Fla. Display device for holding fruit, cake, and the like. 145,024; June 18.
- Horowitz, Morris, assignor to W. & H. Jewelry Co., Providence, R. I. Jewelry pin. 144,505; Apr. 23.
- Horowitz, Rachel, New York, N. Y. Sweater. 144,056; Mar. 5.
- Horton Manufacturing Company, assignee; *See—*
Godfrey, Charles J.
- Hoshinaka, Lucy, New York, N. Y. Dress. 145,623; Sept. 24.
- Houpt, Donald T., assignor to Boeing Aircraft Company, Seattle, Wash. Bathroom unit. 144,790; May 21.
- House, Inez H., assignee; *See—*
Robinson, Donald E.
- House, Walter J., Jr., Dallas, Tex. Radio cabinet. 145,800; Oct. 22.
- Hovey, C. Earl, trustee, assignee; *See—*
Bach, Alfons.
Bloomfield, Samuel.
- Hovey, Earl S.; *See—*
Otto, Carl Louis.
- Howell, Stanley D., Cambridge, Mass. Service insignia lapel button. 143,594; Jan. 22.
- Howland, Levi S., Long Beach, Calif. Surfboard. 145,083; June 25.
- Hoyle, Marion, Pasadena, Calif. Combined doll and parachute. 145,732; Oct. 15.
- Huberman, Samuel, New York, N. Y. Shoe. 145,600; Sept. 17.
- Hueber, Edward C., Detroit, Mich. Child's wheeled vehicle. 145,024; Sept. 24.
- Hufford, Lewis C., and L. R. Gray, Redondo Beach, Calif. Rotatable spit barbecue. 145,601; Sept. 17.
- Hummel, Harold P., Mount Carmel, Pa. Building. 145,801; Oct. 22.
- Hunau, Adolph, Los Angeles, Calif. Dental apparatus head-piece or the like. 146,082; Dec. 17.
- Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair wave clip. 143,734; Feb. 5.
- Hurd, Bennie, Chicago, Ill. Ring watch. 144,716; May 14.
- Hurd, Edwin P., Detroit, Mich., assignor to Hurd Lock & Manufacturing Company. Combined fishing reel and rod seat. 145,625; Sept. 24.
- Hurd Lock & Manufacturing Company, assignee; *See—*
Hurd, Edwin P.
- Hurwitz, Bernard, New York, N. Y. Dress. 145,247; July 23.
- Hurwitz, Bernard, New York, N. Y. Dress. 145,248; July 23.
- Hurwitz, Bernard, New York, N. Y. Dress. 145,249; July 23.
- Hurwitz, Bernard, New York, N. Y. Dress. 146,000; Dec. 3.
- Hurwitz, Bernard, New York, N. Y. Dress. 146,001; Dec. 3.
- Hurwitz, Bernard, New York, N. Y. Dress. 146,002; Dec. 3.
- Hutcheson, Ray R., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Portable space heater. 145,025; June 18.
- Hutt, Albert E., Stamford, Conn., and C. L. Otto, New York, N. Y., assignors to Schick Incorporated. Electric shaver holder. 145,084; June 25.
- Huttmeyer, Herman F., assignor to American Optical Company, Southbridge, Mass. Case for an ophthalmic mounting. 144,620; May 7.
- Huzzard, Robert W.; *See—*
Dickson, James J., and Huzzard.
- Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Knife holder. 145,172; July 9.
- Hyman, Edgar C. Co., assignee; *See—*
Gottschalk, Rose.
Graham, Margaret B.
Lee, Robert T.
- I. T. S. Company, assignee; *See—*
Wager, Sidney G.
- Ideal Novelty & Toy Co., assignee; *See—*
Baggett, Edmund W.
Shrier, Martin.
- Ideal Plastic Corporation, assignee; *See—*
Manovill, Alfred C.
- Illinois Wack Case Co., assignee; *See—*
Muller-Munk, Peter.
- Immoor, Alfred F., New York, assignor to Pepsi-Cola Company, Long Island City, N. Y. Combined bottled beverage cooler and newspaper stand or the like. 144,924; June 4.
- Imperial Brass Manufacturing Company, The, assignee; *See—*
Rausch, Martin J.
- Industrial Electronic Corporation, assignee; *See—*
Blazey, Lawrence E.
- Industrial Scientific Company, assignee; *See—*
Tandler, William S., and De Weiss.
- Ingalls Shipbuilding Corporation, assignee; *See—*
Leavitt, Clyde M.
- Ingram, Thomas R., Glen Ellyn, assignor to Groves Shoe Co., Chicago, Ill. Shoe or similar article. 145,444; Aug. 20.
- Ingram, Thomas R., Glen Ellyn, assignor to Groves Shoe Co., Chicago, Ill. Slipper or similar article. 145,445; Aug. 20.
- Inland Rubber Corporation, assignee; *See—*
Black, Donald R.

- Innes, James, Pelham, L. Cohen, New Rochelle, and L. Spatz, Hempstead, assignors to British-Makes, Inc., New York, N. Y., Latching device. 143,918; Feb. 19.
- Insko, Andre, *See* Dubinsky, Jack, and Insko.
- International Business Machines Corporation, assignee: *See* Kress, George H.
- International Plastic Corporation, assignee: *See* Preble, Harry, Jr.
- International Register Company, assignee: *See* Gallagher, William P.
- International Silver Company, assignee: *See* Conroy, Edward J.
- Kintz, Alfred G.
- International Standard Electric Corporation, assignee: *See* Deakin, Gerald.
- Interstate Aircraft and Engineering Corp., assignee: *See* Grohs, Theodore A.
- Hite, Walter A., Harvuot, and Williams.
- Irwin, Neel S., Cleveland Heights, Ohio. Sectional display stand unit. 143,659; Jan. 29.
- Irwin, Neel S., Cleveland Heights, Ohio. Sectional display counter. 143,660; Jan. 29.
- Ischinger, Robert H., Reading, Pa. Cross stand. 144,295; Feb. 2.
- Isebnberg, Stanley, Chicago, Ill. Faucet spray attachment. 145,035; June 25.
- Iwanowicz, Stanley, Detroit, Mich. Combined pencil and eraser. 144,459; Apr. 16.
- Jack, Ada L., Los Angeles, Calif. Candy dish or similar article. 144,856; May 28.
- Jack & Heintz Precision Industries, Inc., assignee: *See* Carlson, Bert G.
- Jackson, C. C. assignee: *See* Reed, Willie.
- Jackson, Edward H., Jr., assignor to The Thomas Jackson and Son Co., Reading, Pa. Sample display device for twine and the like. 145,802; Oct. 22.
- Jackson, Thomas, and Son Co., The, assignee: *See* Jackson, Edward H., Jr.
- Jacobs Bros. Co., Inc., assignee: *See* Preble, Harry, Jr.
- Jacobson, Alfred M., St. Louis, Mo. Bottle carrier. 144,382; Apr. 9.
- Jacobson, Alfred M., Denver, Colo. Clothespin. 145,602; Sept. 17.
- Jacobson, Louis, New York, N. Y. Spectacle frame. 146,003; Dec. 3.
- Jacobson, Louis, New York, N. Y. Spectacle frame. 146,004; Dec. 3.
- Jacoby, Grover J., assignee: *See* Jessen, Arnold H.
- Jacques Kreisel Manufacturing Corporation, assignee: *See* Speck, Kurt.
- Jamestown Metal Equipment Company, Inc., assignee: *See* Conterman, Fred A.
- Jamouneau, Walter C., assignor to Piper Aircraft Corporation, Lock Haven, Pa. Airplane. 145,446; Aug. 20.
- Jantzen Knitting Mills, assignee: *See* Wiecehmann, Berté A.
- Jarrell, Sanford J., Norfolk, Va. Boot or similar article. 143,425; Jan. 1.
- Jarvis Manufacturing Company, assignee: *See* Jensen, Volmer S.
- Jay Kel Jewelry Co., assignee: *See* Stangel, George.
- Jenkins, Raymond, New York, assignor, by mesne assignments, to M. Flamm, Forest Hills, N. Y. Radio cabinet. 145,977; Nov. 26.
- Jensen, Volmer S., assignor to Jarvis Manufacturing Company, Glendale, Calif. Airplane. 145,086; June 25.
- Jergenson, George A., assignor to General Motors Corporation, Detroit, Mich. Railway car body. 144,057; Mar. 5.
- Jessen, Arnold H., West Hollywood, Calif., assignor of one-half to G. J. Jacoby, Los Angeles, Calif. Golf stick truck. 143,971; Feb. 26.
- Johann, Albert S., Milwaukee, Wis. Hand truck. 145,447; Aug. 20.
- Johnson, Charles G., et al., assignee: *See* Bruce, Charles.
- Johnson, Clarence L.: *See* Hibbard, Hall L., and Johnson.
- Johnson, Clarence L., Encino, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 143,822; Feb. 12.
- Johnson, Booker T., Philadelphia, Pa. Juvenile vehicle. 146,029; Dec. 10.
- Johnson, Edward T., Los Angeles, Calif. Portable bar. 144,568; Apr. 30.
- Johnson, Ellis M., Chicago, Ill. Combined wall shelf, mirror, and travel bag. 143,595; Jan. 22.
- Johnson, Herbert C., Wilmette, Ill. Juice extractor. 145,978; Nov. 26.
- Johnson, Leonard F., Arlington, Va. Combination letter opener and paperweight. 146,108; Dec. 24.
- Johnston, Halph G., Fort Worth, Tex. Clasp-on snap fastener. 146,030; Dec. 10.
- Jones, Edgar R., assignee: *See* Jones, Edgar R., and Lanier.
- Jones, Edgar R., and Lanier.
- Jones, Edgar R., and L. T. Lanier, Miami, Fla.; said Lanier assignor to said Jones. Decalcomania sheet. 146,109; Dec. 24.
- Jones, George M., Jenkintown Manor, Pa. Knife sharpener. 145,803; Oct. 22.
- Jones, Joseph H., assignee: *See* Katz, William.
- Jones, Ralph W., Sr., assignee: *See* Jones, Robert McF.
- Jones, Robert McF., Bellevue, Nebr., assignor to R. W. Jones, Sr., St. Paul, Minn. Drill press standard. 145,087; June 25.
- Jullianelli, Charles A.: *See* Jullianelli, Mabel and C. A.
- Jullianelli, Mabel and C. A., New York, N. Y. Shoe. 146,110; Dec. 24.
- Juno Products Company, assignee: *See* Mills, Charles E.
- Joseff, Eugene, Beverly Hills, assignor to Breakfast in Hollywood, Los Angeles, Calif. Ring. 143,596; Jan. 22.
- Kaepfel, Bertram A.: *See* Biller, David J., and Kaepfel.
- Kahler, Chester L., Huntington Beach, Calif. Kitchen utility knife. 144,192; Mar. 19.
- Kahn, Max, New York, assignor to David Kahn, Inc., North Bergen, N. J. Pencil. 144,621; May 7.
- Kahn, David, Inc., assignee: *See* Kahn, David.
- Kahn, Jewel K., assignor to R. W. and C. J. Kerr, co-partners, Hastings, Nebr. Scalp massager. 145,626; Sept. 24.
- Kahn, Lester, Glen Ridge, N. J., and M. Rosedale, New York, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Comb or similar article. 143,972; Feb. 26.
- Kahn, Lester, Glen Ridge, N. J., and M. Rosedale, New York, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Comb or similar article. 143,973; Feb. 26.
- Kaplan, Max, New York, N. Y. Mechanical pencil. 145,806; Oct. 22.
- Kaiser, John, Jr., assignor to Sheridan Electronics Corp., Chicago, Ill. Radio cabinet. 144,717; May 14.
- Kales, Ethel S., Los Angeles, Calif. Printed fabric. 144,383; Apr. 9.
- Kales, Ethel S., Los Angeles, Calif. Printed fabric. 144,384; Apr. 9.
- Kales, Ethel S., Los Angeles, Calif. Printed fabric. 145,300; July 30.
- Kales, Ethel S., Los Angeles, Calif. Printed fabric. 145,846; Oct. 29.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation Devices, Inc., Binghamton, N. Y. Fuselage for grounded aviation trainers. 144,308; Apr. 2.
- Kalisher, Benjamin, assignor to Art-Flex Fashions, Poughkeepsie, N. Y. Handbag. 144,925; June 4.
- Kalisher, Benjamin, assignor to Art-Flex Fashions, Poughkeepsie, N. Y. Handbag. 145,088; June 25.
- Kaltenbach, Irene B., Los Angeles, Calif. Combined lipstick applicator and holder. 144,506; Apr. 23.
- Kannegiesser, William E., Chicago, Ill. Toy cannon. 143,597; Jan. 22.
- Kaplan, Ludwig, Brooklyn, N. Y. Handbag. 144,114; Mar. 12.
- Karoff, Robert B., New York, N. Y. Combined bottle and closure. 144,569; Apr. 30.
- Karp, Max S., Los Angeles, Calif. Desk or similar article. 143,426; Jan. 1.
- Karp, Max S., Los Angeles, Calif. Bookcase or similar article. 143,427; Jan. 1.
- Karp, Max S., Los Angeles, Calif. Occasional table. 143,428; Jan. 1.
- Karp, Max S., Los Angeles, Calif. Chair. 143,492; Jan. 8.
- Karp, Max S., Los Angeles, Calif. Coffee table or similar article. 143,598; Jan. 22.
- Karp, Max S., Los Angeles, Calif. Table. 143,599; Jan. 22.
- Karp, Max S., Los Angeles, Calif. Table lamp. 145,026; June 18.
- Karstadt, Clarence, Glen Ellyn, Ill. Vacuum cleaner casing. 145,215; July 16.
- Karstadt, Clarence, Glen Ellyn, Ill. Vacuum cleaner casing. 145,216; July 16.
- Kartvill, Alexander, Huntington Station, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Airplane. 145,898; Nov. 12.
- Kartvill, Alexander, Huntington Station, and M. Berkow, Flushing Heights, N. Y., assignor to Republic Aviation Corporation, Airplane. 144,058; Mar. 5.
- Kasen, Daniel, Newark, N. J. Button or similar article. 145,173; July 9.
- Kass, Henry M., Seattle, Wash. Toy figure. 145,627; July 9.
- Kassovitz, Stephen, La Salle, Ill. Display cabinet or similar article. 145,027; June 18.
- Kastner, Mortimer M., Montreal, Quebec, Canada. Dice box. 144,115; Mar. 12.

Katcher, Morris, New York, N. Y., assignor to Chefford Master Manufacturing Company, Incorporated, Fairfield, Ill. Bicycle generator. 143,919; Feb. 10.

Katopodis, Spiros, Boston, Mass. Combination vanity and incidental case or similar article. 144,193; Mar. 19.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 143,974; Feb. 26.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 143,975; Feb. 26.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Clip or similar article. 143,976; Feb. 26.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 144,116; Mar. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 144,117; Mar. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 144,118; Mar. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 144,194; Mar. 19.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 144,195; Mar. 19.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 144,196; Mar. 19.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 144,197; Mar. 19.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Chatelaine pin or similar article. 144,198; Mar. 19.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 144,926; June 4.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 144,927; June 4.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 144,972; June 11.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,250; July 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,251; July 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,252; July 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,253; July 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,301; July 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,302; July 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,525; Sept. 3.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,526; Sept. 3.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,628; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,629; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,630; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,631; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,632; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,633; Sept. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,665; Oct. 1.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,666; Oct. 1.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,667; Oct. 1.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,733; Oct. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 145,847; Oct. 29.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,031; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,032; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,033; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,034; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,035; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,036; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,037; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,038; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,039; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,040; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 146,041; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 146,042; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,043; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,044; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,045; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,046; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,047; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,048; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,049; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,050; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,051; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,052; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,053; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,054; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,111; Dec. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,112; Dec. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 146,140; Dec. 31.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 146,141; Dec. 31.

Katz, Betty, New York, N. Y. Combined removable sock and slipper. 144,199; Mar. 19.

Katz, Peter J., See—

Leifer, Philip W., and Katz.

Katz, Samuel, Miami, Fla. Foldable toothbrush. 144,385; Apr. 9.

Katz, William, assignor to E. Lowe, J. H. Jones, F. Emery, and W. Katz, co-partners doing business under the firm name of Kitchen King Products Company, Detroit, Mich. Cup hanger. 143,977; Feb. 26.

Katzman, Elizabeth, New York, N. Y. Footlet or similar article. 144,386; Apr. 9.

Kaufman, Fanny, New York, N. Y. Embroidered trimming. 143,534; Jan. 15.

Kaufman, Fanny, New York, N. Y. Embroidered trimming. 143,535; Jan. 15.

Kaufman, Herman, New York, N. Y. Embroidered trimming. 143,536; Jan. 15.

Kaufman, Herman, New York, N. Y. Embroidered applique or similar article. 144,387; Apr. 9.

Kaufman, Herman, New York, N. Y. Embroidered applique or similar article. 144,388; Apr. 9.

Kaufman, Herman, New York, N. Y. Embroidered applique or similar article. 144,389; Apr. 9.

Kaufman, Louis, New York, N. Y. Handbag. 143,600; Jan. 22.

Kaufman, Louis, New York, N. Y. Handbag. 145,254; July 23.

Kaufman, Maurice; See—

Blackhall, Renard M., and Kaufman.

Kaufman, Paul, New York, N. Y. Earring or similar article. 146,142; Dec. 31.

- Kaufman, Paul, New York, N. Y. Earring or similar article. 146,143; Dec. 31.
- Kaufman, Paul, New York, N. Y. Earring or similar article. 146,144; Dec. 31.
- Kaufman, Paul, New York, N. Y. Earring or similar article. 146,145; Dec. 31.
- Kaufman, Paul, New York, N. Y. Earring or similar article. 146,146; Dec. 31.
- Kauppman, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 145,217; July 16.
- Kauppman, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 145,218; July 16.
- Kautzman, Erlene H., Everett, Wash. Child's bassinet support. 145,448; Aug. 20.
- Kawneer Company, The, assignee: See—Ketchum, Morris, Jr.
- Kay, Gerald O. See—Strauss, Irving, and Kaye.
- Kaylon Incorporated, assignee: See—Caplin, Ruth S.
- Kayser, Mary. See—Sebold, Mary.
- Kaylon Incorporated, assignee: See—Langer, Lena.
- Kearney, George F., New York, N. Y. Toy guitar. 145,579; Sept. 10.
- Kearney, George L., Tuckahoe, N. Y. Cigarette container. 145,688; Oct. 15.
- Keeney, Frances, Kansas City, Kans., assignor to Hall Brothers, Incorporated, Kansas City, Mo. Figurine or similar article. 144,570; Apr. 30.
- Keil, Frank J., Queens Village, assignor to N. F. Giordano, Brooklyn, N. Y. Embroidered textile fabric. 145,871; Nov. 5.
- Keiper, Harvey M., Frackville, Pa. Medal. 143,735; Feb. 5.
- Keiper, Harvey M., Frackville, Pa. Medal. 145,089; June 25.
- Kellett Aircraft Corporation, assignee: See—Prewitt, Richard H.
- Kelliher, Thomas, assignor to American Metal Crafts Company, Attleboro, Mass. Bracelet. 145,356; Aug. 6.
- Kendrick, Laurence W., Wellesley, assignor to The Carter's Ink Company, Cambridge, Mass. Combination desk unit. 145,734; Oct. 15.
- Kenlan, Clark C., East Orange, assignor to Electric Arc, Inc., Newark, N. J. Arc welding and heat-treating controller. 143,601; Jan. 22.
- Kennedy, Thomas W., assignor to B. and T. (Components) Limited, London, England. Electric flatiron. 143,736; Feb. 5.
- Kennedy, Thomas W., assignor to B. and T. (Components) Limited, London, England. Electric flatiron. 144,857; May 28.
- Kent, Walter J., Williston Park, Long Island, N. Y. Money clip. 146,147; Dec. 31.
- Keny, Gebhard W., assignor to Columbus Plastic Products Inc., Columbus, Ohio. Fluid agitating and mixing receptacle or similar article. 143,661; Jan. 29.
- Kerr, Charlotte J., assignee, et al.: See—Kahn, Jewel K.
- Kerr, John A., Kenmore, and J. A. Mattison, Williams-ville, N. Y., assignors to Curtiss-Wright Corporation. Airplane. 145,449; Aug. 20.
- Kerr, Raymond W., assignee, et al.: See—Kahn, Jewel K.
- Kessel, Johannes B., Chicago, Ill. Food mixer. 145,940; Nov. 19.
- Kestler, Ralph, Corona, N. Y. Pin. 145,979; Nov. 26.
- Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Door or similar article. 143,429; Jan. 1.
- Keuffel & Esser Company, assignee: See—Anderson, Robert W.
- Bernhard, Lucian.
- Keyes, Kenneth, New York, N. Y. Slipper or similar article. 145,482; Aug. 27.
- Keyes, Kenneth, New York, N. Y. Slipper or similar article. 145,483; Aug. 27.
- Klam, Omar, New York, N. Y. Fur coat. 143,823; Feb. 12.
- Klam, Omar, New York, N. Y. Fur coat. 143,824; Feb. 12.
- Kiddle Seat Corporation, assignee: See—Cohen, Sidney.
- Kidner, Charles E., Old Greenwich, Conn. Picture viewer. 144,718; May 14.
- Kimsey, Oscar W., Atlanta, Ga. Automobile hat and coat hanger. 143,825; Feb. 12.
- King, Anthony B., Brooklyn, and C. L. Martino, Bronx, N. Y. All metal chair. 144,719; May 14.
- King, Charles M., Brooklyn, N. Y. Seesaw. 144,200; Mar. 19.
- King, Frederick H., Detroit, Mich. Marble game enclosure. 146,005; Dec. 3.
- King, Louise Lowndes, Washington, D. C. Dish. 144,296; Apr. 2.
- Kinsley, Felix P., St. Louis, Mo. Pendant or the like. 144,297; Apr. 2.
- Kintz, Alfred G., Wallingford, assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 145,580; Sept. 10.
- Kirchmer, Albert W. and L. M., St. Louis, Mo. Fluorescent lighting fixture. 145,219; July 16.
- Kirchner, Leo M.: See—Kirchner, Albert W. and L. M.
- Kirby, Raymond J., Sherman Oaks, Calif., assignor to Adel Precision Products Corp. Housing for petroleum dispensing apparatus. 144,250; Mar. 26.
- Kirkell, Leon H., Blairsville, Pa. Cigar and cigarette lighter. 145,484; Aug. 27.
- Kirsch, Louis, Brooklyn, N. Y. Clothes hanger. 143,826; Feb. 12.
- Kirsch, Louis, Brooklyn, N. Y. Clothes hanger. 143,827; Feb. 12.
- Kirsch, Louis, Brooklyn, N. Y. Clothes hanger. 143,828; Feb. 12.
- Kirsch, Louis, Brooklyn, N. Y. Clothes hanger. 143,829; Feb. 12.
- Kirsch, Louis, Brooklyn, N. Y. Clothes hanger. 143,830; Feb. 12.
- Kirsch, Louis, Brooklyn, N. Y. Clothes hanger. 143,831; Feb. 12.
- Kissling, Edmund D., New York, N. Y. Plastic utility table. 145,220; July 16.
- Kissling, Edmund D., New York, N. Y. Stand. 145,735; Oct. 15.
- Kissling, Edmund D., New York, N. Y. Lamp stand or the like. 145,899; Nov. 12.
- Kissling, Edmund D., New York, N. Y. Table. 145,941; Nov. 19.
- Kissling, Edmund D., New York, N. Y. Utility table. 145,942; Nov. 19.
- Kitchen King Products Company, See—Katz, William.
- Klages, Louis C., Arlington Heights, Ill. Violin or similar article. 146,148; Dec. 31.
- Klassen, Walter J.: See—Browne, Herschel O. and Klassen.
- Klay, Darryl, Newark, N. J., assignor of one-third to J. G. Broady, New York, N. Y. Clock. 144,720; May 14.
- Klein, Harry R., Chicago, Ill. Faucet spray attachment. 143,737; Feb. 5.
- Klein, Harry R., Chicago, Ill. Faucet spray attachment. 143,738; Feb. 5.
- Kleinberg, Benjamin W., New York, N. Y. Game apparatus. 144,201; Mar. 19.
- Klemme, Roland M., assignee: See—Miller, Fred A.
- Klompus, William M., assignee: See—Hill, Joseph A.
- Kloss, Emma E., Chicago, Ill. Game board. 144,571; Apr. 30.
- Kniep, Louis: See—Sherman, Vernon W. Kniep, and Rothaug.
- Knisely, Virgil M., assignor to Gro-Cord Rubber Company, Lima, Ohio. Shoe sole. 145,943; Nov. 19.
- Knisely, Virgil M., assignor to Gro-Cord Rubber Company, Lima, Ohio. Shoe sole. 145,944; Nov. 19.
- Knudsen, Charlotte, Burlingame, Calif. Bandeau. 143,493; Jan. 8.
- Koch, John B., assignor to American Blower Corporation, Detroit, Mich. Unit heater. 144,721; May 14.
- Kohen, Jack J., South Bend, Ind. Clothes hamper. 144,791; May 21.
- Kohm, Jack J., South Bend, Ind. Clothes hamper. 144,792; May 21.
- Kolacy, Charles M., Bloomfield, N. J. Table. 146,006; Dec. 3.
- Kolonics, Andrew J., New York, N. Y. Hammock body or the like. 145,303; July 30.
- Kolonics, Andrew J., New York, N. Y. Hammock body or the like. 145,304; July 30.
- Kolonics, Andrew J., New York, N. Y. Hammock body or the like. 145,305; July 30.
- Kolonics, Andrew J., New York, N. Y. Hammock body or the like. 145,306; July 30.
- Kono, Ken Y., Riverside, Calif. Wooden slipper or similar article. 145,090; June 25.
- Koonz, Frederick W., Bernardino, assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or similar article. 144,390; Apr. 9.
- Koppers Company, Inc., assignee: See—Deskey, Donald.
- Korda, Gerard V.: See—Engel, Elmer G., Scott, and Korda.
- Korengold, John A., Chicago, Ill. Combined medical hand light and tongue depressor. 143,662; Jan. 29.
- Koret, Joe, San Francisco, Calif. Textile fabric or similar article. 145,485; Aug. 27.
- Korman, Arnold P., Brooklyn, N. Y. Toy xylophone. 146,055; Dec. 10.
- Korn, William T., New York, N. Y. Combined figured cigarette container and music box. 143,602; Jan. 22.
- Korn, William T., New York, N. Y. Combined vanity and cigarette case. 143,663; Jan. 29.
- Korn, William T., New York, N. Y. Combined cigarette dispenser and match holder. 144,622; May 7.
- Korrol, Irving, Brooklyn, N. Y. Radio chassis blank base or the like. 144,558; May 28.
- Kovach, New York, N. Y. Combined heel and platform for a shoe or similar article. 144,460; Apr. 16.
- Kramer Sidney, New York, N. Y. Dress. 143,832; Feb. 12.

- Kramer, Sidney, New York, N. Y. Dress. 144,461; Apr. 16.
- Kraner, Florian G., assignor to Fred Langfelder Company, Inc., New York, N. Y. Creche. 143,430; Jan. 1.
- Kraus, Ralph, New York, N. Y. Folding picture frame or similar article. 145,669; Oct. 1.
- Kreidler, James J., Huntington Park, Calif. Lighting fixture globe. 144,251; Mar. 26.
- Kreisler, Jacques, Manufacturing Corporation, assignee: See—Diehl, William.
- Speck, Kurt.
- Krell, Isaac, New Haven, Conn. Ring. 145,091; June 25.
- Kress, George H., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Type-writer. 145,450; Aug. 20.
- Krim, Norman B., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge tube. 143,603; Jan. 22.
- Kritske, Jeanette M.: See—Kritske, Victor J. and J. M.
- Kritske, Victor J. and J. M., Sheboygan, Wis., assignors of one-half to W. H. Murphy, Chicago, Ill. Fluffed yarn animal figure. 145,634; Sept. 24.
- Kroto, Hans J., Cambridge, Mas. Shoe or similar article. 145,670; Oct. 1.
- Kruck, Ralph E., Longmeadow, assignor to Florence Store Company, Gardner, Mass. Range. 145,736; Oct. 15.
- Krueger, Theodore H., Stratford, Conn., assignor to Better Packages, Inc. Adhesive tape dispenser. 144,391; Apr. 9.
- Krueger, Theodore H., Stratford, Conn., assignor to Better Packages, Inc. Adhesive tape dispenser. 144,392; Apr. 9.
- Kruger, Maurice J., Kew Gardens Hills, assignor to Kruger-Ressner, New York, N. Y. Handbag. 143,920; Feb. 19.
- Kruger-Ressner, assignee: See—Kruger, Maurice J.
- Kubista, Charles L., Owatonna, Minn. Poultry fountain. 143,604; Jan. 22.
- Kulling, Rudolph C., Chicago, Ill. Cigarette butt snuffer or similar article. 144,793; May 21.
- Kuntz, Robert F., Santa Monica, Calif. Toy vehicle. 145,737; Oct. 15.
- Kuznetz, Samuel, New York, N. Y. Lady's suit. 144,298; Apr. 2.
- Kuznetz, Samuel, New York, N. Y. Lady's suit. 144,299; Apr. 2.
- Kuznetz, Samuel, New York, N. Y. Lady's suit. 144,393; Apr. 9.
- Kuznetz, Samuel, New York, N. Y. Lady's suit. 144,973; June 11.
- Kuznetz, Samuel, New York, N. Y. Lady's suit. 144,974; June 11.
- Labich, Fred O., Evanston, Ill. Bottle opener. 145,635; Sept. 24.
- Lactona Incorporated, assignee: See—Millard, Glen E.
- Laird, William A., South Gate, Calif. Pliers wrench. 143,921; Feb. 19.
- Lakewood Mfg. Co.: See—Dodge, Carl.
- Lamancusa, Salvatore J.: See—Catanzarite, Patsy G. and Lamancusa.
- Lamberg, Albert E., Fillmore, Calif. Clock. 145,872; Nov. 5.
- Lambert, Robert, Fullerton, Nebr. Watch bracelet. 145,357; Aug. 6.
- Lamin, Ernest H., San Antonio, Tex. Child's combined table and chair. 143,494; Jan. 8.
- Landers, Frary & Clark, assignee: See—Sundberg, Carl W.
- Landis, Bess S., assignee: See—Robinetto, Howard C.
- Landis, Bess S., executrix: See—Landis, Hugh G.
- Landis, Hugh G., deceased, by B. S. Landis, executrix. Los Angeles, Calif. Electric heater. 144,722; May 14.
- Langbert, H. Thomas, New York, N. Y. Dress. 145,807; Oct. 22.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,397; July 30.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,398; July 30.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,399; July 30.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,310; July 30.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,396; Aug. 13.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,397; Aug. 13.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,398; Aug. 13.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,399; Aug. 13.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,400; Aug. 13.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,401; Aug. 13.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,402; Aug. 13.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,403; Aug. 13.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,581; Sept. 10.
- Lange, Albert, New York, N. Y. Towel or similar article. 145,582; Sept. 10.
- Langer, Lena, assignor to Kaylon Incorporated, New York, N. Y. Fabric. 143,671; Oct. 1.
- Langfelder, Fred, Company, Inc., assignee: See—Kraner, Florian G.
- Lanier, Lewis T.: See—Jones, Edgar R., and Lanier.
- Lantz, Walter, Universal City, Calif. Toy animal figure or the like. 143,664; Jan. 29.
- La Pidus, Louis, Brooklyn, N. Y. Drafting table. 145,808; Oct. 22.
- Lapin, Samuel, New York, N. Y. Combined spoon and fork. 143,431; Jan. 1.
- La Plant-Choute Mfg. Co. Inc.: See—Rockwell, Harvey W.
- La Poff, Harry S., assignee: See—Hale, Frank R.
- Larkin, Richard W., Bell, Calif. Vehicle toy. 145,945; Nov. 19.
- Larsen, Agnew, E.: See—Pecker, Joseph S., and Larsen.
- Larson, Charles O., Sterling, Ill. Table lamp. 145,946; Nov. 19.
- Larson, Karl O., Minneapolis, Minn. Table. 145,947; Nov. 19.
- Larson, Karl O., Minneapolis, Minn. Desk. 145,948; Nov. 19.
- Lasar, William, Los Angeles, Calif. Base for band saws. 144,394; Apr. 9.
- Lasar, William, Los Angeles, Calif. Band saw. 144,723; May 14.
- Lash, Rose, Bronx, N. Y. Blouse or the like. 144,252; Mar. 26.
- Laskin, Louis J., Los Angeles, Calif. Hat. 144,395; Apr. 9.
- Laskowitz, Joseph F., St. Louis, Mo. Chair lounge. 145,092; June 25.
- Laszlo, Margit F., assignor to Cole of California Inc., Los Angeles, Calif. Combined swim and play suit. 144,396; Apr. 9.
- Laszlo, Margit F., assignor to Cole of California Inc., Los Angeles, Calif. Swimming suit or the like. 145,174; July 9.
- Laurie, Morris J.: See—Crompton, William, and Laurie.
- Lawrence, Benjamin E., Chicago, Ill. Hygrometer. 143,432; Jan. 1.
- Lazarus, Hettye, New York, N. Y. Hat or similar article. 144,119; Mar. 18.
- Leader, Herbert H., Irondequoit, assignor to Weber Machine Corporation, Rochester, N. Y. Casing for a sound head for a motion picture projector. 143,665; Jan. 29.
- Leavitt, Clyde M., Pascagoula, Miss., assignor to Ingalls Shipbuilding Corporation. Deck house. 144,059; Mar. 5.
- Leavitt, Clyde M., Pascagoula, Miss., assignor to Ingalls Shipbuilding Corporation. Deck house for a ship. 145,451; Aug. 20.
- Lebens, Jeannette L., University City, Mo. Thimble. 144,397; Apr. 9.
- Le Bouedec, Francine, New York, N. Y. Hat. 143,739; Feb. 5.
- Le Bouedec, Francine, New York, N. Y. Hat. 143,833; Feb. 12.
- Le Bouedec, Francine, New York, N. Y. Hat. 143,834; Feb. 12.
- Lee, Robert T., Los Angeles, Calif., assignor to Edgar C. Hyman Co., New York, N. Y. Scarf. 145,311; July 30.
- Leeb, Martin, Chicago, Ill. Child's vehicle. 144,975; June 11.
- Leech, Edward, Roselle, N. J. Ash tray or the like. 148,835; Feb. 12.
- Leech, Aubrey B., Los Angeles, Calif. Animated eye exerciser. 143,433; Jan. 1.
- Lefebvre, Edward A., Jamaica, N. Y. Cigarette rest. 143,836; Feb. 12.
- Le Felvre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Floor brush. 143,537; Jan. 15.
- Le Gruff, John, Beverley Hills, Calif. Waiter's tray. 146,134; Dec. 31.
- Leifer, Philip W., and P. A. Katz, New York, N. Y. Handbag frame. 144,060; Mar. 5.
- Leiman Bros., Inc., assignee: See—Bogert, Ormonde, and Hewitt.
- LeKashman, Lawrence: See—Caudner, William, and LeKashman.
- Lelong, Lucien, Inc., assignee: See—Buckingham, John D.
- Di Verdura, Fulco.
- Lerch, John, Los Angeles, Calif. Lawn sprinkler. 145,221; July 16.
- Lerman, Ben, Chicago, Ill. Clock. 143,538; Jan. 15.
- Lerman, Ben, Chicago, Ill. Clock. 146,083; Dec. 17.
- Lerman, Ben, Chicago, Ill. Clock. 146,084; Dec. 17.

- Lerner, George, assignor to Abell Chair & Novelty Mfg. Co., Inc., New York, N. Y. Educational toy. 143,434; Jan. 1.
- Lesavoy, I. Lawrence, Allentown, Pa. Shoe tree. 143,922; Feb. 19.
- Leser, Tina, New York, N. Y. Culotte dress or similar article. 143,978; Feb. 26.
- Leslie, John H., II, Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Portable heater. 144,928; June 4.
- Lessler, Hyman H., assignor to H. Arnold, Jr., Long Beach, Calif. Mirror or similar article. 145,312; July 30.
- Le Tournau Foundation, assignee: See—
Lindblad, Elliott N.
- Levene, Henry B., Long Island City, N. Y. Twin turn-stile. 143,740; Feb. 5.
- Le Verne, Vincent F., Long Beach, Calif. Book end. 145,900; Nov. 12.
- Levin, Henry, Long Island City, N. Y. Ice tongs or similar article. 144,309; Apr. 2.
- Levin, Leon, New York, N. Y. Garment hanger. 146,056; Dec. 10.
- Levin, Leon, New York, N. Y. Garment hanger. 146,085; Dec. 17.
- Levin, Ned, assignee: See—
Schwartz, Douglas H.
- Levin, William, New York, N. Y. Telescope support. 145,313; July 30.
- Levine, Louis C., New York, N. Y. Handbag. 143,539; Jan. 15.
- Levitan, Harry, Chicago, Ill. Mantle clock. 144,398; Apr. 9.
- Levitan, Harry, Chicago, Ill. Mantle clock. 144,399; Apr. 9.
- Levitan, Harry, Chicago, Ill. Mantel clock. 145,314; July 30.
- Levitan, Harry, Chicago, Ill. Mantel clock. 145,315; July 30.
- Levitan, Harry, Chicago, Ill. Desk clock. 145,316; July 30.
- Levitan, Harry, Chicago, Ill. Mantel clock. 145,317; July 30.
- Levy, Abraham, New York, N. Y. Perfume bottle or the like. 145,175; July 9.
- Levy, Irving: See—
Billet, Philip, and Levy.
- Lewis, Amos F., St. Louis, Mo. Wrench. 145,949; Nov. 19.
- Lewis, Benjamin, New York, N. Y., assignor to Lionel Rothschild, Dallas, Tex. Bottle. 147,837; Feb. 12.
- Lewis, Fred H., Wilmette, Ill. Ring box. 145,738; Oct. 15.
- Lewis, Joseph R., Burbank, Calif. Portable soda fountain. 145,452; Aug. 20.
- Lewis, Max J., Forest Hills, N. Y. Cigarette box or similar article. 144,623; May 7.
- Lewis, Max J., Forest Hills, N. Y. Combination desk unit. 145,486; Aug. 27.
- Lewis, Max J., Forest Hills, N. Y. Combination desk unit. 145,809; Oct. 22.
- Lewis, Morgan J., Philadelphia, Pa. Grill. 145,810; Oct. 22.
- Lewis, Paul M., Los Angeles, Calif. Toy helicopter. 143,495; Jan. 8.
- Lewis, Paul M., Detroit, Mich. Helicopter. 144,400; Apr. 9.
- Lewis, Paul M., Detroit, Mich. Helicopter. 144,401; Apr. 9.
- Lewis, Paul M., assignor to Sky-Hook Co., Los Angeles, Calif. Descend retarder. 145,527; Sept. 3.
- L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Overboot or similar article. 145,453; Aug. 20.
- Libbey-Owens-Ford Glass Company, assignee: See—
Dieter, Walter G.
- Lidz, Maurice N., Woodmere, N. Y. Button or similar article. 145,176; July 9.
- Lieber, Irving, New York, N. Y. Ring. 143,923; Feb. 19.
- Lieberman, Eleanor J., assignee, et al.: See—
Lieberman, William A., and Thomsen.
- Lieberman, Harry L., assignee: See—
Dodge, Chas. E.
- Lieberman, William A., and J. W. Thomsen, assignors to E. J. Lieberman, Chicago, and G. Goldboss, Glencoe, Ill., copartners doing business as Ellengy Sales. Film slide viewer. 146,057; Dec. 10.
- Lipner, William B., New York, N. Y. Mirror. 146,058; Dec. 10.
- Indahl, Stanley E., assignee, et al.: See—
Burke, James D.
- Lindberg, Claus B., assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa. Drawer handle or similar article. 145,177; July 9.
- Lindblad, Elliott N., assignor to Le Tournau Foundation, Toccoa, Ga. Badge or similar article. 143,005; Jan. 22.
- Linduska, Noreen, Cicero, Ill. Combined brooch and cosmetic container. 145,811; Oct. 22.
- Link Aviation Devices, Inc., assignee: See—
Kali, Karl A.
- Lipic, Jos., Pen Co., assignee: See—
Lipic, Joseph G., Jr.
- Lipic, Joseph G., Jr., assignor to Jos. Lipic Pen Co., St. Louis, Mo. Combined pencil and advertising panel. 144,402; Apr. 9.
- Lipman, Julius, New York, N. Y. Lady's suit. 145,454; Aug. 20.
- Lippincott, Joshua G., Scarsdale, assignor to D. Ornstein & Sons, New York, N. Y. Jewelry case. 144,403; Apr. 9.
- Lipton, Irving E., and L. C. Lochmoeller, St. Louis, Mo. Toy vehicle. 144,976; June 11.
- Little Castles, Incorporated, assignee: See—
Fennell, William A.
- Little, Sam, New York, N. Y., assignor to Associated Card and Stationery Company. Sheet of writing paper. 145,528; Sept. 3.
- Livesay, Leamon G.: See—
Anderson, Carl G., and Livesay.
- Liyon, Max, Minneapolis, Minn. Desk. 144,120; Mar. 12.
- Lloyd, Howard M., Los Angeles, Calif. Sandal or similar article. 145,901; Nov. 12.
- Lochmoeller, Louis C.: See—
Lipton, Irving E., and Lochmoeller.
- Lockheed Aircraft Corporation, assignee: See—
Gross, Robert E.
- Hibbard, Hall L., and Johnson.
- Johnson, Clarence L.
- Nettleton, George E., Jr.
- Thorp, John W.
- Loewy, Raymond, New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del. Refrigerator. 145,222; July 14.
- Loge, Joseph M., Los Angeles, Calif. Lectern cabinet. 144,202; Mar. 19.
- Lolli, John, Chicago Heights, Ill. Electric lamp. 145,137; July 30.
- Lolli, John, Chicago Heights, Ill. Electric lamp. 145,138; July 2.
- Lolli, John, Chicago Heights, Ill. Electric lamp. 145,583; Sept. 10.
- Lomasney, Louis, North Attleboro, Mass. Ash tray. 145,739; Oct. 15.
- Lomholt, Carl, Bogota, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Telephone jack. 143,490; Jan. 8.
- Looney, Joseph S., Beaumont, Tex. Figure toy. 146,007; Dec. 3.
- Lorenz, Benjamin A., New York, N. Y., assignor to Son-Chief Electric, Incorporated, Winsted, Conn. Electric toaster. 143,741; Feb. 5.
- Lorenzen, Ann J., Atlantic City, N. J. Doll. 144,724; May 14.
- Lott, Howard R., assignor to Diamond Silver Company, Lambertville, N. J. Spoon or other article of flatware. 144,463; Apr. 16.
- Lott, Howard R., assignor to Diamond Silver Company, Lambertville, N. J. Spoon or other article of flatware. 144,463; Apr. 16.
- Lovick, John B.: See—
Miller, Milton C., Jr., and Lovick.
- Lowe, Evelyn, assignee: See—
Katz, William.
- Lowenst, Taji, New York, N. Y. Combined bracelet and ring. 145,318; July 30.
- Lowerre, George H., Balboa Island, Calif. Utility truck. 145,139; July 2.
- Lowitz, Herman, assignor to American Glass Corporation, Greensburg, Pa. Glass cigarette or like container. 144,507; Apr. 23.
- Lunenfeld, Herbert, assignee: See—
Zonenstein, Julius.
- Lustig, Harry: See—
Goldstein, Louis H., and Lustig.
- Lux Clock Manufacturing Company, Inc., The, assignee: See—
Lux, Frederick.
- Lux, Frederick, Middlebury, assignor to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Alarm clock. 145,672; Oct. 1.
- Lydie, John E., Akron, Ohio. Hammer head. 143,979; Feb. 26.
- Lynn, Robert M., Pasadena, Calif. Bomb sight. 144,508; Apr. 23.
- Lyon, George A., Allenhurst, N. J. Combined automobile wheel cover and hub cap or similar article. 144,725; May 14.
- Lyon, George Albert, Allenhurst, N. J. Combined automobile wheel cover and hub cap or similar article. 144,725; May 14.
- Lyon, George Albert, Allenhurst, N. J. Wheel trim or similar article. 143,498; Jan. 8.
- Mabry, John W., Kansas City, Mo. Combination chair and table or like article. 144,404; Apr. 9.
- MacCallum, Robert S., New York, N. Y. Display package for curtains. 146,086; Dec. 17.
- Macchi, Angelo P.: See—
Garner, Robert V., and Macchi.
- MacKusick, William P., and J. N. Wyant, assignors to Wingfoot Corporation, Akron, Ohio. Tire. 144,122; Mar. 12.
- Maclean, John D., Inverness, Scotland. Calendar. 144,121; Mar. 12.
- MacRae, Alistair L., San Diego, Calif. Desk name plate. 145,178; July 9.

- Magnavox Company, The, assignee: *See*—
Stone, Leland G.
- Magro, Joseph, Rochester, N. Y. Game board. 146,114; Dec. 24.
- Mahoney, Gaillard: *See*—
McNiece, Raymond H., and Mahoney.
- Majewski, Joseph M., Jr., and H. J. Talge, assignors to J. C. Hockery, F. L. Talge, and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Juice extractor. 143,566; Jan. 29.
- Malinowski, Harry A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Bracelet or similar article. 144,794; May 21.
- Malinowski, Harry A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Spoon or other article of hardware. 145,179; July 9.
- Malinowski, Harry A., Meriden, Conn., assignor to The Ellmore Silver Co., Inc. Spoon or other article of hardware. 145,180; July 9.
- Malinowski, Harry A., Meriden, Conn., assignor to The Ellmore Silver Co., Inc. Spoon or other article of hardware. 145,181; July 9.
- Malinowski, Harry A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Bracelet or similar article. 146,115; Dec. 24.
- Malkin, Simon, New York, N. Y., assignor to United Cigar-Whelan Stores Corporation. Merchandise display stand. 145,814; Oct. 22.
- Mallard, Elroy S., Georgetown, Ky. Pencil ferrule. 145,182; July 9.
- Mallick, Leo M., Chicago, Ill. Bottle closure. 145,980; Nov. 26.
- Maloney, Raymond T.: *See*—
Planagan, Thomas C.
- Malot, John W., Hinstontown, Pa. Surveyor's rod. 143,435; Jan. 1.
- Mamoulain, Nellie F., New York, N. Y. Tablecloth or similar article. 145,488; Aug. 27.
- Mandelbaum, Bernard E., assignor to Wood Commodities Corp., New York, N. Y. Toy rocking horse. 145,093; June 25.
- Mandl, Rudl W., Long Island City, N. Y. Picture frame or similar article. 145,358; Aug. 27.
- Mandorf, Henry L., San Diego, Calif. Fishing reel. 145,529; Sept. 3.
- Mangan, James T., assignee: *See*—
Eckland, Everett E.
- Maniscalco, Peter, Jr.: *See*—
Maniscalco, Pietro and Peter, Jr.
- Maniscalco, Pietro and P. Maniscalco, Jr., Chicago, Ill. Utility holder or the like. 143,436; Jan. 1.
- Maniscalco, Pietro, and P. Jr., Chicago, Ill. Toilet cabinet or the like. 143,499; Jan. 8.
- Manki, Onnie, Cleveland, Ohio, assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Smoking stand. 143,742; Feb. 5.
- Mankki, Onnie, Cleveland Heights, and F. J. Schulthels, Lakewood, Ohio, assignors to James B. Shaver, University Heights, Ohio. Ventilator. 143,607; Jan. 22.
- Mann, Cressent J., assignor to M. Tanzi, Chicago, Ill. Bracelet or similar article. 144,061; Mar. 5.
- Mann, Cressent J., assignor to M. Tanzi, Chicago, Ill. Bracelet or similar article. 144,062; Mar. 5.
- Manovill, Alfred C., New York, assignor to Ideal Plastic Corporation, Long Island City, N. Y. Plastic unit for handbags or the like. 145,359; Aug. 6.
- Marcus, Arthur, New York, N. Y. Finger ring. 144,860; May 28.
- Marcus, Arthur, New York, N. Y. Finger ring. 144,861; May 28.
- Marcus, Morris, assignor to Centra Leather Goods Corporation, New York, N. Y. Back for billfold or similar article. 143,608; Jan. 22.
- Marcus, Samuel, New York, and E. J. Anton, Sunnyside, N. Y. Projector. 143,500; Jan. 8.
- Marcus, Samuel, New York, and E. J. Anton, Sunnyside, N. Y. Projector. 145,223; July 16.
- Marree, Morgan, Jr., assignee, et al.: *See*—
Burke, James D.
- Markel Electric Products, Inc., assignee: *See*—
Ohm, Albert J.
- Markus, George, New York, N. Y. Combined wallet and card cases. 143,980; Feb. 26.
- Marleen Costume Jewelry Company, assignee: *See*—
Pearsall, Frederick J.
- Marr, Ronald A., Robertson, Ohio. Golf putting game device. 143,838; Feb. 12.
- Marron, Eleanor E., Long Beach, Calif. Tablecloth or the like. 143,667; Jan. 29.
- Marsella, Julio J., Providence, R. I. Jewelry pin or similar article. 145,094; June 25.
- Marsella, Julio J., Providence, R. I. Jewelry pin or similar article. 145,319; July 30.
- Marsella, Julio J., Providence, R. I. Jewelry pin or similar article. 145,320; July 30.
- Marsella, Julio J., Providence, R. I. Earring. 145,321; July 30.
- Marsh, Harold A.: *See*—
Fairbank, Murry N., and Marsh.
- Marsh, Harold A., Chestnut Hill, Mass. Garment hook. 145,813; Oct. 25.
- Marsh Stencil Machine Company, assignee: *See*—
Marsh, Walton C.
- Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Fountain brush or the like. 144,203; Mar. 19.
- Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Tape sealer or the like. 144,795; May 21.
- Martex Print Works, Inc., assignee: *See*—
Morrison, John W.
- Martial, Jacques: *See*—
Scull, Robert C., and Martial.
- Martial, Jacques, and R. C. Scull, assignors to Viewtone Company, New York, N. Y. Combination radio and record player. 144,862; May 28.
- Martial, Jacques, and R. C. Scull, assignors to Viewtone Company, New York, N. Y. Radio receiver. 144,863; May 28.
- Martial, Jacques, and R. C. Scull, assignors to Viewtone Company, New York, N. Y. Radio receiver. 144,864; May 28.
- Martin Band Instrument Company, The, assignee: *See*—
Giespie, Carl J.
- Martin, Charles, Chicago, Ill. Pull toy. 143,540; Jan. 15.
- Martin, Joseph F., and A. B. Van Hee, Detroit, Mich.; said Van Hee assignor to said Martin, Jr. Game board. 143,668; Jan. 29.
- Martin, Lynn P.: *See*—
Fish, Ned D., and Martin.
- Martino, Charles L.: *See*—
King, Anthony B., and Martino.
- Martino, Peter V., Long Island City, N. Y. Display fixture unit. 145,950; Nov. 19.
- Martucci, Claudia, San Francisco, Calif. Cosmetic cup. 145,360; Aug. 6.
- Marx, Louis, & Company, Inc., assignee: *See*—
Campbell, Laurie J., and Hirsch.
- Mason, Edwin W., Wyckoff, N. J. Adhesive tape dispenser. 144,865; May 28.
- Master Electric Company, The, assignee: *See*—
Darnell, Victor L.
- Master Electric Co., assignor to Farles Manufacturing Company, Decatur, Ill. Lamp. 146,116; Dec. 24.
- Matam Corporation, assignee: *See*—
Mathis, Emile C., and Dronet.
- Mathis, Emile C., New York, and J. L. Dronet, Brooklyn, said Dronet assignor to Matam Corporation, Long Island City, N. Y. Electric heater. 143,609; Jan. 22.
- Mattison, John A.: *See*—
Kerr, John A., and Mattison.
- Matuzoff, Batrissha, Hollywood, Calif. Display stand or similar article. 145,951; Nov. 19.
- Matuzoff, Batrissha, Hollywood, Calif. Display stand or similar article. 146,087; Dec. 17.
- Maxson, William E., Jr., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Casing for an electric heater with fan. 143,541; Jan. 15.
- Maxson, William E., Jr., and F. Rodwick, assignors to Chicago Electric Manufacturing Company, Chicago, Ill. Food mixer. 143,981; Feb. 26.
- Maxwell, John A., & Associates, assignee: *See*—
Zagumny, Felix J.
- Maxwell, Milton B., Sr., Huntington Park, Calif. Service plaque. 144,123; Mar. 12.
- Maxwell, Paul M., Manhasset, N. Y., and W. J. Russey, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn. Cap cover. 143,610; Jan. 22.
- May, Kenneth C.: *See*—
Culpepper, John P., and May.
- Mayer, Bruno, New York, N. Y. Case for a camera. 145,981; Nov. 26.
- Mayer, Bruno, New York, N. Y. Case for a camera. 145,982; Nov. 26.
- Mayer China Company, assignee: *See*—
Muench, Toni O.
- Mayo, Ed E., assignee, et al.: *See*—
Smith, Harvey J.
- McAllister, Franklin, Corporation, assignee: *See*—
McAllister, Harley J.
- McAllister, Gerald: *See*—
Davis, John H., and McAllister.
- McAllister, Harley J., Wheaton, Ill., assignor to Franklin McAllister Corporation. Vacuum cleaner casing. 144,063; Mar. 5.
- McCann, Ann L., Glendale, Calif. Hat. 144,405; Apr. 9.
- McClure, Clyde D., Des Moines, Iowa. Light fixture. 145,696; Oct. 8.
- McCarthy, John P.: *See*—
Mendelson, Charles M., and McCarthy.
- McCartney, Will C., Cambridge, Ohio. Cigarette box and ash tray unit. 144,509; Apr. 23.
- Macchi, Angelo P.: *See*—
Garner, Robert V., and Macchi.
- McCalla, Hazel M., Frederick, assignor to A. E. Hemp, Burkittsville, Md. Stand and appliance support for dressing hair. 146,059; Dec. 10.
- McClellan, Clarence S., Santa Monica, Calif. Camera support. 144,406; Apr. 9.
- McClellan, Clarence S., Santa Monica, Calif. Picture viewer. 144,407; Apr. 9.
- McClellan, Clarence S., Santa Monica, Calif. Stereoscope case. 144,572; Apr. 30.
- McClure, Bernard L., Norwalk, Ohio. Chipping machine head. 145,636; Sept. 24.

- McClure, Bernard L., Norwalk, Ohio. Hammer head. 145,815; Oct. 22.
- McCoey, Garland C.: *See—*
Fulkerson, Josephine S., and McCoey.
- McCullough, Jack A.: *See—*
Eitel, William W., and McCullough.
- McDonnell Aircraft Corporation, assignee: *See—*
Perkins, Kendall.
- McFadden, William J., Cedar Rapids, Iowa. Electric dilator. 143,924; Feb. 19.
- McFarland, Venable H. T., Clairton, Pa. Combination picture frame and illuminable mirror. 145,487; Aug. 27.
- McGee, Mary C., Hempstead, N. Y. Tablecloth or similar article. 145,404; Aug. 13.
- McGinnis, Dale J., Chicago, Ill. Lamp. 146,113; Dec. 24.
- McGunn, John W., Chicago, Ill. Safe. 143,606; Jan. 22.
- McKelvey, Vanny, New York, N. Y. Reversible blouse. 143,925; Feb. 19.
- McKelvey, Vanny, New York, N. Y. Reversible blouse. 143,926; Feb. 19.
- McKenzie, Mary H., Duluth, Minn. Dressing table. 144,859; May 28.
- McKewen, John H.: *See—*
Schauer, Lawrence L.
- McLaughlin, George H., New York, N. Y. Robe or similar article. 145,740; Oct. 15.
- McLellan, E. W., Co., assignee: *See—*
McLellan, Roderick L., and Field.
- McLellan, Roderick L., San Francisco, and W. J. Field, Orinda, assignors to E. W. McLellan Co., San Francisco, Calif. Flower container. 145,530; Sept. 3.
- McMullen, Laurie C.: *See—*
Post, Harold P., and McMullen.
- McNiece, Raymond H., and G. Mahoney, Dallas, Tex. Pin or similar article. 144,977; June 11.
- Meadow, Jenn W., New York, N. Y. Handbag or similar article. 143,611; Jan. 22.
- Meek, Melvin J., and B. C. Hagquist, South Bend, Ind. Fishing net. 145,405; Aug. 13.
- Mehan, Thomas O.: *See—*
Hoe, Hunter E., and Mehan.
- Melnd, Joseph J., Livingston, assignor to Micron, Incorporated, East Orange, N. J. Necktie holder. 143,743; Feb. 5.
- Meinecke, Conrad E., Buffalo, N. Y. Combined ash tray and incense burner. 143,927; Feb. 19.
- Mell-Hoffmann Mfg. Co., assignee: *See—*
Mell, William E.
- Mell, William E., Skokie, assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Decalcomania sheet or the like. 144,464; Apr. 16.
- Mendelsohn, Milton M., assignee: *See—*
Fox, Cecil M.
- Mendelson, Charles M., and J. P. McCarthy, Downey, Calif. Pushcart. 144,064; Mar. 5.
- Menor, Cipriano S., Lathrop, Calif. Lady's bag. 144,510; Apr. 23.
- Merchant, Cullie C.: *See—*
Hobbs, Perry N., and Merchant.
- Merritt, Clark C., Red Bank, N. J. Tap knob. 144,408; Apr. 9.
- Merritt, Clark C., Red Bank, N. J. Tap knob. 146,117; Dec. 24.
- Mersereau, Cecil T., Weymouth, Mass. Jewelry pin. 144,253; Mar. 26.
- Merz, F. O., & Company, assignee: *See—*
Merz, Frederick O.
- Merz, Frederick O., assignor to F. O. Merz & Company, Philadelphia, Pa. Panel of embossed leather. 143,839; Feb. 12.
- Merz, Frederick O., assignor to F. O. Merz & Company, Philadelphia, Pa. Panel of embossed leather. 143,840; Feb. 12.
- Merz, Frederick O., assignor to F. O. Merz & Company, Philadelphia, Pa. Panel of embossed leather. 143,841; Feb. 12.
- Merz, Frederick O., assignor to F. O. Merz & Company, Philadelphia, Pa. Panel of embossed leather. 143,842; Feb. 12.
- Merz, Frederick O., assignor to F. O. Merz & Company, Philadelphia, Pa. Panel of embossed leather. 143,843; Feb. 12.
- Mesberg, Philip, Trumbull, Conn. Cigar lighter. 145,183; July 9.
- Messenger, Ernest A., assignor to Consolidated Cosmetics, Chicago, Ill. Wrapping paper or the like. 144,511; Apr. 23.
- Messick, Turner B., assignor to B. Watson, Denver, Colo. Casing for a marking machine. 145,095; June 25.
- Messinger, Harold L., Los Angeles, Calif. Under-water mask. 144,624; May 7.
- Messinger, Harold L., Los Angeles, Calif. Under-water mask. 144,625; May 7.
- Metzger, Joseph L., Beverly Hills, Calif. Toy microphone net. 144,629; June 11.
- Meyer, Frederick G., now by judicial change of name Frederick George Rich, Council Bluffs, Iowa. Pencil or similar article. 143,612; Jan. 22.
- Meyer, George T., Milwaukee, Wis. Croquet wicket. 143,542; Jan. 15.
- Meyer, George T., Milwaukee, Wis. Croquet wicket. 143,543; Jan. 16.
- Meyer, George T., Milwaukee, Wis. Croquet wicket. 143,544; Jan. 15.
- Meyer, Maximilian C., Brooklyn, N. Y. Deck of playing cards. 143,669; Jan. 29.
- Meyer, Paul H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 145,406; Aug. 13.
- Meyer, Sidney, New York, N. Y. Textile fabric or similar article. 144,465; Apr. 16.
- Meyer, Sidney, New York, N. Y. Textile fabric or similar article. 146,149; Dec. 31.
- Meyercord Co., The, assignee: *See—*
Westrate, Ada.
- Meyers, Marcia M., Poplar Grove, Ill. Cookie cutter. 145,812; Oct. 22.
- Meyers, Willard F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Ash tray. 143,613; Jan. 22.
- Michelson, Lawrence M., Clayton, assignor to Duro Chrome Corporation, St. Louis, Mo. Chair frame. 143,982; Feb. 26.
- Micron, Incorporated, assignee: *See—*
McInd, Joseph J.
- Miles, John R., West Inglewood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Table magnifier. 143,744; Feb. 5.
- Millard, Glen E., assignor to Lactona Incorporated, St. Paul, Minn. Detachable toothpick assembly. 145,603; Sept. 17.
- Millard, Morris, New York, N. Y. Lady's suit. 145,531; Sept. 3.
- Miller, Anthony J., Chicago, Ill. Roller skate. 143,983; Feb. 26.
- Miller, Arthur L., Newton, assignor to Sylvania Electric Products Inc., Salem, Mass. Portable desk lamp. 143,844; Feb. 12.
- Miller Company, The, assignee: *See—*
Carulli, John.
- Miller, Dora S., Los Angeles, Calif. Picture frame. 143,745; Feb. 5.
- Miller, Fred A., St. Johns, assignor of one-half to R. M. Klemme, St. Louis, Mo. Pressing iron. 143,984; Feb. 26.
- Miller, Harold H., assignor to United Stove Company, Ypsilanti, Mich. Stove grid. 145,489; Aug. 27.
- Miller, Hercheal W., Davenport, Iowa, assignor to American Machine and Metals, Inc., New York, N. Y. Washer control panel or similar article. 144,254; Mar. 26.
- Miller, Jeanne, Vermilion, Ohio. Lady's coat or similar article. 144,466; Apr. 16.
- Miller, Jerome J., Ottoville, Ohio. Toy airplane. 145,407; Aug. 13.
- Miller, Jerome J., Ottoville, Ohio. Toy airplane. 145,455; Aug. 20.
- Miller, Milton C., Jr., Los Angeles, and J. B. Lovick, Glendale, Calif. Print roller. 144,467; Apr. 16.
- Miller, Walter, Benton Harbor, Mich. Tone arm for phonographs. 144,726; May 14.
- Miller, Willis H., Dallas, Tex. Lamp or similar article. 144,626; May 7.
- Millers Falls Company, assignee: *See—*
Collura, Francesco.
- Millman, Max, Providence, R. I. Ash tray. 143,746; Feb. 5.
- Mills, Charles E., Cleveland, Ohio, assignor to Juno Products Company. Money clip. 145,697; Oct. 8.
- Millstein, Jacob H., Jeannette, Pa. Candy containing toy cruiser. 143,614; Jan. 22.
- Milwaukee Lace Paper Company, assignee: *See—*
Yant, William P.
- Mine Safety Appliances Company, assignee: *See—*
Yant, William P.
- Minneapolis-Honeywell Regulator Company, assignee: *See—*
Sanders, Morris.
- Minzer, William, New York, N. Y. Dress. 143,845; Feb. 12.
- Minzer, William, New York, N. Y. Dress. 144,512; Apr. 23.
- Modern Hygiene, Inc., assignee: *See—*
Stevens, Clifford B.
- Modern Plastic Co., assignee: *See—*
Ballard, Wade E.
- Moe, Edwin C., Lansing, Mich. Pen and pencil holder. 144,866; May 28.
- Moffatt, Robert J., Birmingham, Mich. Clock. 144,867; May 28.
- Mohawk Rubber Company, The, assignee: *See—*
Christie, John A.
- Moloney, Raymond T., assignee: *See—*
Nicholson, Ralph A.
Tobias, Arthur A.
- Monarch, Governor Company, assignee: *See—*
Sarnes, Lowell E.
- Monseau Corp. of New York, assignee: *See—*
Sussman, Andre.
- Monica, Caroline D., New York, N. Y. Dress. 145,741; Oct. 15.
- Monicatti, James: *See—*
Zaha, Abraham, and Monicatti.
- Monogram Manufacturing Company, assignee: *See—*
Wallace, Frank C.
- Monroe, John S.: *See—*
Odiorne, Richard L., and Monroe.

- Montenier, Jules B., Chicago, Ill. Shaving bowl. 143,437; Jan. 1.
- Monturo, Albert, Brooklyn, N. Y. Combined lipstick holder and cigarette lighter. 144,125; Mar. 12.
- Moore, Edward E., New York, N. Y. Picture frame. 145,902; Nov. 12.
- Moore, Frank A., Montebello, assignor to Pacific Stamping Company, Los Angeles, Calif. Salad server. 144,310; Apr. 2.
- Moore, James H., Alhambra, Calif. Portable barbecue. 144,573; Apr. 30.
- Moore, Walter B., West Lafayette, Ohio. Combination tea kettle, coffee maker, and double boiler or article of a similar nature. 144,409; Apr. 9.
- Mora, Vincent I. and E. Heinecke, Minneapolis, Minn., said Heinecke assignor to said Mora. Article holding figure. 143,438; Jan. 1.
- Moran, Ralph V., assignor to Vic Moran, Bradford, Pa., a partnership composed of M. C. E. M., and V. Moran. Coin bank. 145,096; June 25.
- Moran, Ralph V., assignor to Vic Moran, Bradford, Pa. Coin bank. 145,097; June 25.
- Moran, Vic, assignee: *See—*
Moran, Ralph V.
- Morbee, Richard, Chicago, Ill. Collapsible, focusing field glass. 146,008; Dec. 3.
- Moreland, Stephen T., Toledo, Ohio. Combined score pad and bridge bid indicator. 143,928; Feb. 19.
- Morgan, Dwight C., Jr.: *See—*
Morgan, Thomas H. and D. C.
- Morgan, Harry W., assignor to Aerojet Engineering Corporation, Pasadena, Calif. Rocket motor. 143,846; Apr. 12.
- Morgan, Harry W., assignor to Aerojet Engineering Corporation, Pasadena, Calif. Jet motor cap. 144,126; Mar. 12.
- Morgan, Harry W., assignor to Aerojet Engineering Corporation, Pasadena, Calif. Jet motor cap. 144,127; Mar. 12.
- Morgan, Harry W., assignor to Aerojet Engineering Corporation, Pasadena, Calif. Jet motor cap. 144,128; Mar. 12.
- Morgan, Harry W., assignor to Aerojet Engineering Corporation, Pasadena, Calif. Jet motor cap. 144,129; Mar. 12.
- Morgan, Harry W., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Jet motor. 144,574; Apr. 30.
- Morgan, Thomas H., Kittanning, and D. C. Morgan, Jr., Oakmont, Pa. Vacuum cleaner casing or similar article. 144,627; May 7.
- Morgan, Thomas H., Kittanning, and D. C. Morgan, Jr., Oakmont, Pa. Vacuum cleaner casing or similar article. 144,628; May 7.
- Morgenroth, Frank C., Santa Monica, Calif. Bottle stopper. 145,028; June 18.
- Morris, Bert M., Co., assignee: *See—*
Fleming, Robert B.
- Morris, Harry, Chicago, Ill. Handbag frame. 144,796; May 21.
- Morris, Nathan K., Asbury Park, N. J. Compact. 145,255; July 23.
- Morris, Walter W.: *See—*
Willemain, Emile L. and Morris.
- Morrison, John W., Garden City, N. Y., assignor to Martex Print Works, Inc., Clifton, N. J. Scarf or similar article. 145,098; June 25.
- Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 144,204; Mar. 19.
- Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 144,205; Mar. 19.
- Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 144,206; Mar. 19.
- Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 144,207; Mar. 19.
- Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 144,208; Mar. 19.
- Morrow, Frank, Johnston, R. I. Earring. 144,209; Mar. 19.
- Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 144,629; May 7.
- Morrow, Frank, Johnston, R. I. Earring. 145,140; July 2.
- Morrow, Frank, Johnston, R. I. Earring. 145,742; Oct. 15.
- Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 145,743; Oct. 15.
- Morton, Mark: *See—*
Bennett, Theodore C. Morton, and Gloeckler.
- Morton, Nathan E., New York, N. Y., assignor to Erdco Engineering Research & Development Company, Newark, N. J. Miniature bureau for jewelry. 146,118; Dec. 24.
- Moss, Nathaniel, Brooklyn, N. Y. Decorative device for trays, mirrors, or the like. 144,797; May 21.
- Motley, John H. C., and H. J. G. Walter, Chicago, Ill. Amusement apparatus. 145,099; June 25.
- Motor Wheel Corporation, assignee: *See—*
Wilson, Lawrence H.
- Muench, Toni O., East Liverpool, Ohio, assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 143,985; Feb. 26.
- Muller, Henry J., Lancaster, Pa. Table mat or similar article. 145,322; July 30.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor to Illinois Watch Case Co., Elgin, Ill. Vanity case. 145,100; June 23.
- Mullins Manufacturing Corporation, assignee: *See—*
Stanitz, Jacques.
- Whitlock, George E.
- Mull, Slide Instrument Corp., assignee: *See—*
Caudner, William, and LeKashman.
- Multi-Start Systems Incorporated, assignee: *See—*
Hoe, Hunter E., and Mehan.
- Multiple Displays, Inc., assignee: *See—*
Andrews, Charles T.
- Muncheryan, Frank M., Alhambra, Calif. Game board. 146,060; Dec. 10.
- Murphy, William H., assignee: *See—*
Kritske, Victor J. and J. M.
- Murray, Marion, San Jose, Calif. Clock housing. 144,210; Mar. 19.
- Myers, F. E., & Bro. Co., The, assignee: *See—*
Conery, William J.
- Myers, Louis, Rockford, Ill. Drink mixer. 143,929; Feb. 19.
- Myers, Louis, Rockford, Ill. Motor for an electrically driven mixer. 143,930; Feb. 19.
- Myers, George, New York, N. Y. Set of picture game pieces. 145,408; Aug. 13.
- Naidish, Abraham, New York, N. Y. Sweater. 145,409; Aug. 13.
- Naidish, Abraham, North Bergen, N. J. Sweater or similar article. 146,150; Dec. 31.
- Nalick, Albert, Los Angeles, Calif. Finger ring. 145,029; June 18.
- Nalick, Albert, Los Angeles, Calif. Finger ring or similar article. 145,848; Oct. 29.
- Narrow Fabric Company, The, assignee: *See—*
Busch, Conrad J.
- Nash, Harold S., assignor to N. M. Salkover, Cincinnati, Ohio. Cocktail shaker. 143,986; Feb. 26.
- Nathan Manufacturing Company, assignee: *See—*
Folke, Bengt L., and Shepard.
- National Acme Company, The, assignee: *See—*
Drissner, Alfred E.
- National Geographic Society, assignee: *See—*
Riddiford, Charles E.
- National Instrument Corporation, assignee: *See—*
Rachne, Karl, and Shelton.
- National Lock Company, assignee: *See—*
Giraldi, William A.
- National Silver Company, assignee: *See—*
Finley, Barney.
- Natfel, Harry, assignor to Pinlox Products Co., New York, N. Y. Hair curler. 145,456; Aug. 20.
- Navy, United States of America as represented by the Secretary of the, assignee: *See—*
Freeman, Robert M.
- Neats, Lester P., East Orange, N. J. Spool holder. 146,099; Dec. 3.
- Nemeth, Otto R., assignor to Otto R. Nemeth, Inc., Chicago, Ill. Projector. 146,151; Dec. 31.
- Nemeth, Otto R., Inc., assignee: *See—*
Nemeth, Otto R.
- Nettleton, George E., Jr., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Humidor or similar article. 143,615; Jan. 22.
- Neumann, Charles A., and H. H. Baca, Corpus Christi, Tex. Airplane. 145,904; Nov. 12.
- Neumann, Charles A., and H. H. Baca, Corpus Christi, Tex. Airplane. 145,905; Nov. 12.
- Neumann, Charles A., and H. H. Baca, Corpus Christi, Tex. Airplane. 145,906; Nov. 12.
- Neumann, Charles A., and H. H. Baca, Corpus Christi, Tex. Airplane. 145,907; Nov. 12.
- Newcomer, Ernest J., assignor to Floorola Products, Inc., York, Pa. Scrubbing, waxing, and polishing machine. 145,224; July 16.
- Newman, Max M., New York, N. Y. Ash tray or similar article. 144,410; Apr. 9.
- Newman, Max M., New York, N. Y. Hair curler. 145,908; Nov. 12.
- Newman, Max M., New York, N. Y. Ash tray or similar article. 146,152; Dec. 31.
- Newman, Richard, New York, N. Y. Magazine and paper holder. 145,225; July 16.
- New Plastic, assignee: *See—*
Stumpf, Elmer J.
- Ney, Pauline D., Venice, Calif. Slipper or similar article. 144,255; Mar. 26.
- Niagara Duplicate Co., assignee: *See—*
Palma, Joseph.
- Nicholson, Albert H., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or article of similar nature. 144,300; Apr. 2.
- Nicholson, Ralph A., assignor to R. T. Moloney, Chicago, Ill. Cabinet for a beverage dispenser. 145,903; Nov. 12.
- Nields, Charles C., Los Angeles, Calif. Piano. 143,501; Jan. 8.
- Niemann, Harold H., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Top unit for oil cooking stoves. 145,030; June 18.

- Nierenberg, Theodore D., and G. Daelemans, Dayton, Ohio, assignors to Etched Products Corporation, Long Island City, N. Y. Combined toaster and hot plate. 145,410; Aug. 13.
- Nineteen Hundred Corporation, assignee: *See*—Sundberg, Carl W.
- Nitardy, Carl, New York, N. Y., assignor to Sylvania Electric Products, Inc., Salem, Mass. Fluorescent lighting fixture. 145,323; July 30.
- Noble, F. H., & Company, assignee: *See*—Ropp, Hubert.
- Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or similar article. 144,630; May 7.
- Nock, Harold E., Newburyport, assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or analogous article. 144,868; May 28.
- Noell Products Company, assignee: *See*—Farber, Lillian.
- Norcross, assignee: *See*—Norcross, Arthur D.
- Norcross, Arthur D., assignor to Norcross, New York, N. Y. Doll. 145,101; June 25.
- Norcross, Arthur D., assignor to Norcross, New York, N. Y. Doll. 145,102; June 25.
- North American Aviation, Inc., assignee: *See*—Schmued, Edgar.
- Northrop Aircraft, Inc., assignee: *See*—Northrop, John K.
- Northrop, John K., and Sears.
- Northrop, John K., Cerny, Baum, and Schwartz.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft Inc., Hawthorne, Calif. Airplane. 143,847; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,848; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,849; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,850; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,851; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,852; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,853; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,854; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,855; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,856; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,857; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,858; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,859; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,860; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,861; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,862; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,863; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,864; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,865; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,867; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,868; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,869; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,870; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,871; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,872; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,873; Feb. 12.
- Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,874; Feb. 12.
- Northrop, John K., and W. R. Sears, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 143,865; Feb. 12.
- Northrop, John K., W. J. Cerny, and F. J. Baum, Los Angeles, and A. M. Schwartz, Palos Verdes, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 144,211; Mar. 19.
- Nowak, Leon, J., Jr., Chicago, Ill. Toy boat or similar article. 145,873; Nov. 5.
- Nudelman, Eolina, Chicago, Ill. Toy helicopter. 143,616; Jan. 22.
- Nulty, William B., trustee, assignee, et al.: *See*—Shepard, Ernest L.
- Nuproducts Corporation, assignee: *See*—Smith, Roland L.
- Obergfell, Amanda, executrix: *See*—Obergfell, Herbert F.
- Obergfell, Herbert F., deceased; by A. Obergfell executrix, River Forest, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Substation telephone instrument. 144,130; Mar. 12.
- Oblein, Henry L., Chili, N. Y. Jewelry stand. 144,411; Apr. 8.
- O'Brien, Joseph F., Lebanon, N. J. Feed section unit for electrical wiring systems. 144,930; June 4.
- Ocone, Albert V., Hamden, assignor to Dexter Company, Incorporated, New Haven, Conn. Mailbox. 144,631; May 7.
- O'Connor, Jack N. and S. M., Los Angeles, Calif. Child's vehicle. 145,324; July 30.
- O'Connor, Stella M.: *See*—O'Connor, Jack N. and S. M.
- O'Connor, Jack N., and S. M.
- Odione, Richard L., Yellow Springs, and J. S. Monroe, Springfield, Ohio. Clothesline clamp. 145,256; July 23.
- Odium, William H., Wilmette, assignor to Duro Metal Products Company, Chicago, Ill. Tool handle. 143,931; Feb. 19.
- O'Donnell, Edwin, Alhambra, Calif. Dental occlusion apparatus. 143,987; Feb. 26.
- Ogden, Paul L., New York, N. Y. Pipe rack. 145,031; June 18.
- Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 144,131; Mar. 12.
- Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 144,869; May 28.
- Olivia, Louise M. G., Hull, Quebec, Canada. Clothespin. 145,439; Jan. 1.
- Olzewski, Edward, Detroit, Mich. Picture frame. 145,257; July 23.
- Oneida Ltd., assignee: *See*—Allen, Grosvenor N. and Fleming.
- O'Neill, Joseph V., New Orleans, La. Motor vehicle. 145,141; July 2.
- Opperman, Roy, assignor to Sunmaster Products Corporation, Miamisburg, Ohio. Electric iron. 145,502; Jan. 8.
- Orenstein, John, Minneapolis, Minn. Prescription spoon. 144,212; Mar. 19.
- Orkin, Samuel, assignor to Harvey Machine Co., Inc., Los Angeles, Calif. Toy boat. 145,532; Sept. 3.
- Ornstein, D., & Sons, assignee: *See*—Lippincott, Joshua G.
- Ornstein, Lee, Chicago, Ill. Game board. 143,440; Jan. 1.
- Ostler, Marianne, New York, N. Y. Wrist watch. 145,490; Aug. 27.
- Ostler, Marianne, New York, N. Y. Watchcase. 145,673; Oct. 1.
- Ostler, Marianne, New York, N. Y. Watchcase. 145,674; Oct. 1.
- Ostler, Marianne, New York, N. Y. Watchcase. 145,675; Oct. 1.
- Ottawa Steel Products, Incorporated, assignee: *See*—Simmonds, Wayne W.
- Otto, Carl L.: *See*—Hutt, Albert E. and Otto.
- Otto, Carl L., New York, N. Y., assignor to C. E. Hovey, Kansas City, Mo., trustee. Vending machine. 143,747; Feb. 5.
- Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,798; May 21.
- Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 145,584; Sept. 10.
- Overath, George N., Belleville, assignor to Engineers, Incorporated, Irvington, N. J. Toy ferry boat. 145,142; July 2.
- Owen, Harold R., Venice, assignor to Electrical Products Corporation, Los Angeles, Calif. Font of sign panel letters. 144,978; June 11.
- Owen, Harold R., Venice, assignor to Electrical Products Corporation, Los Angeles, Calif. Font of sign panel letters. 144,979; June 11.
- Owens, Freeman H., New York, N. Y. Camera. 145,744; Oct. 15.

- Owens-Illinois Glass Company, assignee: *See—*
Meyers, Willard F.
- Pachner & Koller, Inc., assignee: *See—*
Sharps, George D.
- Pacific Marine Supply Company, assignee: *See—*
Harris, Walter J.
- Pacific Stamping Company, assignee: *See—*
Moore, Frank
- Paden, Frederick T., U. S. Army, Collingswood, N. J. Armchair, 144,065; Mar. 5.
- Paden, Frederick T., U. S. Army, Collingswood, N. J. Davenport, 144,066; Mar. 5.
- Paglia, Joseph, Chicago, Ill. Airplane or similar article. 144,067; Mar. 5.
- Paladini, Arcangelo, New York, N. Y. Plaque, 145,457; Aug. 20.
- Paley, Albert A., Kew Gardens, assignor to Eagle Automatic Sales Corp., New York, N. Y. Soft drink bar. 144,931; June 4.
- Palliser, Leonard, New York, N. Y. Lapel pin or similar article. 143,748; Feb. 5.
- Palma, Joseph, Chicago, Ill., assignor to Niagara Dupli-cator Co., Duplicator, 143,875; Feb. 12.
- Palma, Joseph, Jr., assignor to G-M Laboratories, Inc., Chicago, Ill. Film slide projector, 144,727; May 14.
- Palmer, Irwin H., and R. F. Williamson, Aberdeen, S. Dak. Combined knife and gripping tool. 143,670; Jan. 29.
- Panzer, Charles, New York, N. Y. Wallet. 145,849; Oct. 29.
- Panzer, Charles, New York, N. Y. Wallet. 145,850; Oct. 29.
- Panzer, Charles, New York, N. Y. Wallet. 145,851; Oct. 29.
- Parker, Charles, New York, N. Y. Wallet. 145,852; Oct. 29.
- Panzer, Charles, New York, N. Y. Wallet. 145,853; Oct. 29.
- Panzer, William C., Chicago, Ill. Ash stand. 143,671; Jan. 29.
- Panzer, William C., Chicago, Ill. Smoker's stand. 143,876; Feb. 12.
- Pappas, Nick G., Detroit, Mich. Airplane. 145,226; July 16.
- Para Ti Corporation, assignee: *See—*
Burger, Charles H., Jr.
- Park, Arthur Y., Los Angeles, Calif. Fabric. 145,745; Oct. 15.
- Park, Arthur Y., Los Angeles, Calif. Fabric. 145,746; Oct. 15.
- Park, Arthur Y., Los Angeles, Calif. Fabric. 145,747; Oct. 15.
- Park, Arthur Y., Los Angeles, Calif. Fabric. 145,748; Oct. 15.
- Park, Arthur Y., Los Angeles, Calif. Fabric. 145,749; Oct. 15.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 143,503; Jan. 8.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 143,617; Jan. 22.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 143,618; Jan. 22.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 143,619; Jan. 22.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 143,620; Jan. 22.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 143,621; Jan. 22.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 143,622; Jan. 22.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,032; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,033; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,034; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,035; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,036; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,037; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,038; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,039; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,040; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,041; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,042; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,043; June 18.
- Park, Arthur Y., Los Angeles, Calif., assignor to Goldinger Fabrics Company. Fabric. 145,044; June 18.
- Parks, Russell V., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Cabinet. 143,441; Jan. 1.
- Farmely, Lyle E.: *See—*
Tydon, Walter, and Farmely.
- Patner, Saul, Chicago, Ill. Combined coaster wagon and scooter. 146,061; Dec. 10.
- Patterson, Chester A., Milwaukee, Wis. Store front. 143,749; Feb. 5.
- Paulson, Henry, and Company, assignee: *See—*
While, Roy R.
- Pauly, Leonard J., Chicago, Ill. Tie rack. 145,874; Nov. 5.
- Pavlick, Joseph, Jr., St. Louis, Mo. Coffee maker. 144,728; May 14.
- Pawsat, Ewald F., Maysville, Ky. Bicycle steering post. 146,119; Dec. 24.
- Payne, Edna S., New York, N. Y. Shoe. 145,816; Oct. 22.
- Payne, Edna S., New York, N. Y. Combined heel and counter unit for a shoe or similar article. 145,817; Oct. 22.
- Payne, Edna S., New York, N. Y. Sandal. 145,818; Oct. 22.
- Peacock, Finley C., and J. B. Engel, assignors to Bay West Paper Company, Green Bay, Wis. Towel cabinet for outdoor use at filling stations and the like. 144,729; May 14.
- Pearshall, Frederick J., Clayville, assignor to Marleen Costume Jewelry Company, Providence, R. I. Brooch or similar article. 144,575; Apr. 30.
- Pearshall, Frederick J., Clayville, assignor to Marleen Costume Jewelry Company, Providence, R. I. Brooch or similar article. 144,576; Apr. 30.
- Pearshall, Frederick J., Clayville, assignor to Marleen Costume Jewelry Company, Providence, R. I. Brooch or similar article. 144,577; Apr. 30.
- Pearshall, Frederick J., Clayville, assignor to Marleen Costume Jewelry Company, Providence, R. I. Brooch or similar article. 144,578; Apr. 30.
- Pearshall, Frederick J., Clayville, assignor to Marleen Costume Jewelry Company, Providence, R. I. Brooch or similar article. 144,579; Apr. 30.
- Pearson, Joseph T., Jr., Huntingdon Valley, Pa. Shoe-shine box. 145,143; July 2.
- Pecker, Joseph S., and A. E. Larsen, Philadelphia, Pa. Rotary wing aircraft. 143,504; Jan. 8.
- Peden, Francis A., Brooklyn, N. Y. Ash tray. 144,632; May 7.
- Peerless Tool & Engineering Co., assignee: *See—*
Andresen, Raymond H.
- Pelkin, Maurice B., New York, N. Y. Watch case. 144,932; June 4.
- Pelzmann, Alfred, Chicago, Ill. Toy cat or the like. 144,980; June 11.
- Pelzmann, Alfred, Chicago, Ill. Toy mouse or the like. 144,981; June 11.
- Pennino, Oreste, New York, N. Y. Pin or similar article. 143,877; Feb. 12.
- Pennino, Oreste, New York, N. Y. Pin or similar article. 143,878; Feb. 12.
- Pennino, Oreste, New York, N. Y. Jewelry finding for a pin or similar article. 143,983; Feb. 26.
- Pepsi-Cola Company, assignee: *See—*
Immoor, Alfred F.
- Perkins, Kendall, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Airplane. 144,132; Mar. 12.
- Pernini, Henry M., Chicago, Ill. Combined comb and cleaning brush. 144,133; Mar. 12.
- Perper, Kay, New York, N. Y. Toy horse or similar article. 144,134; Mar. 12.
- Perrault, Edouard N., Minneapolis, Minn. Child's chair. 144,730; May 14.
- Perry, Chesley R., Chicago, Ill. Flag. 144,412; Apr. 9.
- Petremont, Gordon A., Boston, A. K. Benjamin, Newton Highlands, and E. C. Brown, Belmont, assignors to The Gobelin Company, Inc., Cambridge, Mass. Merchandise display cabinet or similar article. 145,952; Nov. 19.
- Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Gift box. 145,698; Oct. 8.
- Pfohl, Louis H., Forest Hills, assignor to Design Center Inc., New York, N. Y. Rouge holder. 144,413; Apr. 9.
- Pfrusch, Edwin G., assignor to Phoenix Table Mat Co., Chicago, Ill. Stove mat. 143,623; Jan. 22.
- Philco Radio and Television Corporation, assignee: *See—*
Dailey, Donald E.
- Philippe, Alfred, Scarsdale, N. Y. Earring or similar article. 143,989; Feb. 26.
- Philippe, Alfred, Scarsdale, N. Y., assignor to Trifari, Krussman & Fisel, Inc., Providence, R. I. Earring. 143,750; Feb. 5.
- Philippe, Alfred, Scarsdale, N. Y., assignor to Trifari, Krussman & Fisel, Inc., Providence, R. I. Brooch or similar article. 143,751; Feb. 5.
- Philippe, Alfred, Scarsdale, N. Y., assignor to Trifari, Krussman & Fisel, Inc., Providence, R. I. Bracelet or similar article. 143,752; Feb. 5.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,258; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,259; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,260; July 23.

- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,261; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Earring or similar article. 145,262; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Earring or similar article. 145,263; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Earring or similar article. 145,265; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Pin clip or similar article. 145,266; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Pin clip or similar article. 145,267; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,268; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,269; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Pin clip or similar article. 145,270; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Pin clip or similar article. 145,271; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,272; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Pin clip or similar article. 145,273; July 23.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,325; July 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Earring or similar article. 145,326; July 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,333; Sept. 3.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,385; Sept. 10.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fisel Inc., New York, N. Y. Brooch or similar article. 145,676; Oct. 1.
- Phillips, Donald B., New York, N. Y. Combination recording booth and photo studio. 144,256; Mar. 26.
- Phillips, Oliver V., Denver, Colo. Rocking horse. 144,513; Apr. 23.
- Phoenix Table Mat Co., assignee: *See*—
Pfursich, Edwin G.
- Pichel, Irving, New York, N. Y. Handbag. 144,731; May 14.
- Picelli, Anthony, Brooklyn, N. Y. Refrigerator cabinet. 143,753; Feb. 5.
- Picelli, Anthony, Brooklyn, assignor to Reeves-Ely Laboratories, Inc., New York, N. Y. Mobile server. 145,455; Aug. 20.
- Pinlox Products Co., assignee: *See*—
Natkief, Harry.
- Piotraschke, Fred J., Clayton, Mo. Barber's chair. 144,068; Mar. 5.
- Piper Aircraft Corporation, assignee: *See*—
Jamouneau, Walter C.
- Piraino, Mario J., Pittsburgh, Pa. Display plaque or similar article. 144,135; Mar. 12.
- Pitman-Dreitzer & Co., Inc., assignee: *See*—
Dreitzer, Albert J.
- Fordey, Charles L.
- Plasket, Chester S., assignor to The Bixler Corporation, Cleveland, Ohio. Combined display fixture and brush container. 145,045; June 18.
- Plastic Art Toy Corporation of America, assignee: *See*—
Brunetti, Joseph.
- Plastic Parts Development Company, assignee: *See*—
Shapiro, Benjamin H. Thomas and Hohl.
- Plastics Design Guild, assignee: *See*—
Dougherty, John S.
- Plasto Manufacturing Company, assignee: *See*—
Tolpo, Lily M.
- Platin, Daniel, Los Angeles, Calif. Combination electric toaster and cooker or similar article. 144,870; May 28.
- Plebanek, Leonard Z., Chicago, Ill. Rolling clown ball. 145,875; Nov. 5.
- Plumer, Frederick W., Wilmette, assignor of one-half to F. Rosenberg, Chicago, Ill. Toy figure block. 144,982; June 11.
- Plumer, Frederick W., Wilmette, assignor of one-half to F. Rosenberg, Chicago, Ill. Toy figure block. 144,983; June 11.
- Plumer, Frederick W., Wilmette, assignor of one-half to F. Rosenberg, Chicago, Ill. Toy figure block. 144,984; June 11.
- Plumer, Frederick W., Wilmette, assignor of one-half to F. Rosenberg, Chicago, Ill. Toy figure block. 144,985; June 11.
- Polaroid Corporation, assignee: *See*—
Baratelli, Charles A.
- Fairbank, Murry N., and Marsh. Fuller, Carlton P. Williams, Charles W.
- Polloway, Peter P., Forest Park, Ill. Arm attachment for a gauge. 146,120; Dec. 24.
- Pomerantz, Herman, New York, N. Y. Buckle. 146,153; Dec. 31.
- Pond, William B., West Englewood, and G. R. Holt, Hoboken, assignors to Bendix Aviation Corporation, Bendix, N. J. Filter unit or similar article. 143,545; Jan. 15.
- Pons, Helene, New York, N. Y. Apron. 145,327; July 30.
- Post, Harold P., Hartford, and L. C. McMullen, West Hartford, Conn. Automobile body. 145,534; Sept. 3.
- Post, Speed L., assignee, et al.: *See*—
Burke, James D.
- Powell, Allen S., Wilkes-Barre, Pa. Shrine. 145,983; Nov. 26.
- Powers, George, Alameda, Calif. Book stand. 145,103; June 25.
- Powers, John J., St. Louis, Mo. Truck. 143,990; Feb. 26.
- Powers, John J., St. Louis, Mo. Truck. 143,991; Feb. 26.
- Powers, John J., St. Louis, Mo. Truck. 143,992; Feb. 26.
- Powers, John J., St. Louis, Mo. Truck. 143,993; Feb. 26.
- Poyer, Harland M.: *See*—
Bowers, Herbert L., and Poyer.
- Poyer, Harland M., Lewiston, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 144,933; June 4.
- Pratt, Verneer E., and G. F. Gray, Norwalk, Conn. Camera. 144,136; Mar. 12.
- Preble, Harry, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Tape dispenser. 144,213; Mar. 19.
- Preble, Harry, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Tape dispenser. 144,214; Mar. 19.
- Preble, Harry, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Tape dispenser. 144,215; Mar. 19.
- Preble, Harry, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Reel for tape cores. 144,301; Apr. 2.
- Preble, Harry, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Tape dispenser. 145,699; Oct. 8.
- Preble, Harry, Jr., New York, assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Scale. 146,154; Dec. 31.
- Prenas, Peter S., Chicago, Ill. Collar stay. 143,754; Feb. 5.
- Premier Optical Products, Inc., assignee: *See*—
Blake, Charles D.
- Prentiss Waters Products Co., assignee: *See*—
Niemann, Harold H.
- Pressner, Max, assignee: *See*—
Dunn, Vincent J.
- Prewitt, Richard H., Lansdowne, Pa., assignor to Kellett Aircraft Corporation. Helicopter. 144,986; June 11.
- Price, James R., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Fork or other article of flatware. 143,624; Jan. 22.
- Price, James R., Cranston, assignor to The Alvin Corporation, Providence, R. I. Fork or other article of flatware. 145,144; July 2.
- Price-Pfister Mfg. Co., assignee: *See*—
Hinderer, Gottlob.
- Prince, Earl S., and J. Brotheridge, Rock Falls, Ill. Drink mixer. 144,934; June 4.
- Pro, George M.: *See*—
Shreeve, Kenneth E., and Pro.
- Promer, Alfred G., Detroit, Mich. Toy figure. 144,414; Apr. 9.
- Prosperity Company, Inc., The, assignee: *See*—
Gayling, Wallace F.
- Pryne, Ralph, Los Angeles, Calif. Blow fan. 145,227; July 16.
- Puterman, Benjamin, Brooklyn, N. Y., assignor to Yankee Metal Products Corp., Norwalk, Conn. Rear view automobile mirror. 145,459; Aug. 20.
- Quaker Lace Company, assignee: *See*—
Hooven, Howard.
- Otto, Ferdinand P. Rogers, William. Wolf, William.
- Quality Hardware and Machine Corporation, assignee: *See*—
Snyder, Leland H.
- Snyder, Leland H., and Wisner. Snyder, Leland H., and Yost.
- Quinby, Mary L., Los Angeles, Calif. Toy animal figure or similar article. 145,854; Oct. 29.
- Quiring-Owston, Inc., assignee: *See*—
Quiring, William.
- Quiring, William, assignor to Quiring-Owston, Inc., Wichita, Kans. Golf bag cart. 144,069; Mar. 5.
- Quon, King, San Diego, Calif. Box. 143,505; Jan. 8.
- R-W Manufacturing Company, assignee: *See*—
Rains, Robert S.

- Reinecke, Karl, Houston, and T. P. Shelton, San Antonio, assignors to National Instrument Corporation, Houston, Tex. Photographic enlarger. 145,855; Oct. 29.
- Radio Corporation of America, assignee: *See*—
Brown, George H.
- Rado, Ladislav, *See*—
Schladernmunt, Peter, and Rado.
- Radow, Zeldia, New York, N. Y. Jar or similar article. 144,732; May 14.
- Rains, Robert S., assignor to R-W Manufacturing Company, Los Angeles, Calif. Work-illuminating tool. 145,361; Aug. 6.
- Ralston, Robert P., Columbus, Ohio. Chair. 145,535; Sept. 3.
- Ramsey, Marguerite H., Brooklyn, N. Y. Cosmetic container. 145,819; Oct. 22.
- Randell, Leo R., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 146,121; Dec. 24.
- Randolph, Raphael, La Grange, Tex. Combination arbor and bookend. 145,953; Nov. 19.
- Rapp, Melville B., Miami Beach, Fla. Font of type. 144,580; Apr. 30.
- Rapp, Melville B., Miami Beach, Fla. Font of type. 144,581; Apr. 30.
- Rapport, Solomon, New York, N. Y. Egg boiling rack. 145,755; Feb. 5.
- Rasmussen, Carl H., Silver Spring, Md. Cooking stove. 144,070; Mar. 5.
- Rassnick, Abraham, Elmhurst, Long Island, N. Y. Toy. 144,582; Apr. 30.
- Rath, Frank H., Garden City, N. Y. Handbag. 143,932; Feb. 19.
- Rath, Frank H., Garden City, N. Y. Handbag. 143,933; Feb. 19.
- Rath, Frank H., Garden City, N. Y. Handbag. 143,934; Feb. 19.
- Rath, Frank H., Garden City, N. Y. Handbag. 144,137; Mar. 12.
- Rath, Frank H., Garden City, N. Y. Handbag. 144,514; Apr. 23.
- Rath, Frank H., Garden City, N. Y. Handbag. 144,733; May 14.
- Rauch, Nathan A., New York, N. Y. Coat. 143,506; Jan. 8.
- Rauch, Nathan A., New York, N. Y. Coat. 143,507; Jan. 8.
- Rausch, Martin J., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Handle for valves or the like. 145,604; Sept. 17.
- Raytheon Manufacturing Company: *See*—
Krim, Norman B.
- Read, Julia, New York, N. Y. Hanger or similar article. 144,871; May 28.
- Read, Julia, New York, N. Y. Hanger or similar article. 145,856; Oct. 29.
- Read, Julia, New York, N. Y. Hanger or similar article. 145,857; Oct. 29.
- Red Jacket Manufacturing Co., assignee: *See*—
Deters, Elmer M.
- Redman, Harry, New York, N. Y. Suit. 145,536; Sept. 3.
- Redman, Harry, New York, N. Y. Coat. 145,537; Sept. 3.
- Reed, William, assignor to C. C. Johnson, Jackson, Tenn. Automobile. 145,984; Nov. 26.
- Reeves-Ely Laboratories, Inc., assignee: *See*—
Florian, Gordon W.
- Reilly, Anthony.
- Reid, Rose M., Vancouver, British Columbia, Canada. Cosmetic suit. 144,515; Apr. 23.
- Reiff, Earl J., Alliance, Ohio. Game board. 143,625; Jan. 22.
- Reiff, Earl J., Alliance, Ohio. Wheeled toy. 144,468; Apr. 16.
- Reilly, Alfred F., North Attleboro, Mass. Receptacle for cosmetics and other articles. 144,987; June 11.
- Reilly, Alfred F., North Attleboro, Mass. Receptacle for cosmetics and other articles. 145,046; June 18.
- Reilly, William J., Taunton, Mass. Ornament for cosmetic receptacles and other articles. 144,415; Apr. 9.
- Reilly, William J., Taunton, Mass. Ornament for cosmetic receptacles and other articles. 144,517; Apr. 23.
- Reilly, William J., Taunton, Mass. Receptacle for cosmetics and other articles. 144,416; Apr. 9.
- Reilly, William J., Taunton, Mass. Receptacle for cosmetics and other articles. 144,516; Apr. 23.
- Reilly, William J., Taunton, Mass. Receptacle for cosmetics and other articles. 144,517; Apr. 23.
- Reilly, William J., Taunton, Mass. Receptacle for cosmetics and other articles. 144,518; Apr. 23.
- Reilly, William J., Taunton, Mass. Receptacle for cosmetics and other articles. 144,519; Apr. 23.
- Reilly, William J., Taunton, Mass. Trimming for receptacles for cosmetics and other articles. 144,734; May 14.
- Reilly, William J., Taunton, Mass. Receptacle for cosmetics and other articles. 144,935; June 4.
- Reilly, William J., Taunton, Mass. Receptacle for cigarettes and other articles. 145,047; June 18.
- Reimolds, Fred G., assignee: *See*—
Hohl, Kenneth A.
- Reinecke, Jean O., Oak Park, assignor to Walmark Mfg. Co., Downers Grove, Ill. Dispenser for powdered malted milk. 143,756; Feb. 5.
- Reinecke, Jean O., Oak Park, assignor to Hill-Shaw Company, Chicago, Ill. Cover for beverage brewer bowl. 143,757; Feb. 5.
- Reinecke, Jean O., Oak Park, Ill., assignor to W. W. Sheaffer Pen Company, Fort Madison, Iowa. Reservoir desk stand. 145,820; Oct. 22.
- Reinhart, Nathaniel A., San Francisco, Calif. Inkwell. 144,216; Mar. 19.
- Reinhard, Jack D., Seattle, Wash. Serving stand. 146,088; Dec. 17.
- Renaud, Lucien, St. Albans, assignor to Roger & Gallet, New York, N. Y. Lipstick container or the like. 145,048; June 18.
- Republic Aviation Corporation, assignee: *See*—
Kartveli, Alexander.
- Kartveli, Alexander, and Berkow.
- Rest, Barbara, assignor to Mario Tanzi, Chicago, Ill. Earring or similar article. 143,546; Jan. 15.
- Revere Camera Company, assignee: *See*—
Brisick, Jack.
- Revlon Products Corporation, assignee: *See*—
Colwell, Laurence.
- Reynolds Metals Company, assignee: *See*—
Wemyss, Robert B.
- Reynolds, Milton, Chicago, Ill. Fountain pen. 143,508; Jan. 8.
- Reynolds, Milton, Chicago, Ill. Fountain pen. 145,586; Sept. 10.
- Reynolds, Milton, Chicago, Ill. Fountain pen. 145,587; Sept. 10.
- Rhines, Vee H., Dearborn, Mich. Educational game device. 143,935; Feb. 19.
- Rhodes, Edgar P.: *See*—
Hall, Randolph P., and Rhodes.
- Rhodes, Edgar P., Clarence, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 143,758; Feb. 5.
- Rhodes, Edgar P., Clarence, and R. F. Hall, Rochester, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 143,759; Feb. 5.
- Rhodes, Grover C., Culver City, Calif. Table. 144,872; May 28.
- Rhodes, Herbert E., La Mesa, Calif. Clothespin. 143,760; Feb. 5.
- Rhodes, Kathryn, assignee: *See*—
Salter, Florence B.
- Rice, Martin B., Birmingham, Ala. Game board. 145,362; Aug. 6.
- Rich, Eugene J., Lawrence, N. Y. Pipe holder or similar article. 144,138; Mar. 12.
- Rich, Frederick G. (change of name): *See*—
Meyer, Frederick G.
- Richards, Charles, Quincy, Mass. Cup and saucer holder. 144,735; May 14.
- Richards, Charles, Quincy, Mass. Plate holder. 144,736; May 14.
- Richards, Harper, Chicago, Ill., assignor to Rilling Company, Minneapolis, Minn. Spray nozzle. 145,538; Sept. 3.
- Richards, Kenneth D., Gardner, Mass. Fish lure body. 144,071; Mar. 5.
- Richelieu, Marie Parfum Odessant, Inc., assignee: *See*—
Schwarz, Stephen.
- Richmond, Benjamin S., Brighton, Mass. Combined elastic shoelace and fastener. 144,988; June 11.
- Richter, Maxwell, New York, N. Y. Dress. 143,870; Feb. 12.
- Riddiford, Charles E., assignor to National Geographic Society, Washington, D. C. Font of type. 143,993; Feb. 26.
- Riddiford, Charles E., assignor to National Geographic Society, Washington, D. C. Font of type. 143,995; Feb. 26.
- Riddiford, Charles E., assignor to National Geographic Society, Washington, D. C. Font of type. 143,996; Feb. 26.
- Riegel, Kermit R., Mount Rainier, Md. Airplane. 145,145; July 2.
- Riemann, Howard C., West Milwaukee, assignor to The Fulton Company, West Allis, Wis. Garment hanger. 143,626; Jan. 22.
- Rilling Company, assignee: *See*—
Richards, Harper.
- Rival Manufacturing Company, assignee: *See*—
Majewski, Joseph M., Jr., and Talge.
- Robboy, Nathan M., Cleveland Heights, Ohio. Cigarette lighter or similar article. 145,328; July 30.
- Robboy, Nathan M., Cleveland Heights, Ohio. Fluorescent lighting fixture. 145,329; Oct. 8.
- Robek Company, The, assignee: *See*—
Somers, Edward B.
- Roberts, Henry C., Detroit, Mich. Toy. 145,954; Nov. 19.
- Roberts, Jerome C., assignor to Coro, Inc., New York, N. Y. Two-piece hair ornament. 144,217; Mar. 19.
- Roberts, Jerome C., assignor to Coro, Inc., New York, N. Y. Hair ornament. 144,218; Mar. 19.
- Roberts Cutlery Company, Inc., assignee: *See*—
Case, Emerson E.
- Robinette, Howard C., assignor to B. S. Landis, Los Angeles, Calif. Electric heater. 144,583; Apr. 30.
- Robinette, Howard C., assignor to B. S. Landis, Los Angeles, Calif. Electric heater. 144,584; Apr. 30.
- Robinette, Howard C., assignor to B. S. Landis, Los Angeles, Calif. Portable electric heater. 144,585; Apr. 30.

- Robinson, Donald E., Rutherford, N. J., assignor to Inez Holland House, New York, N. Y. Toy xylophone. 143,442; Jan. 1.
- Rochwitz, Selton I., Wauwatosa, Wis. Stereoscope. 144,737; May 14.
- Rockwell, Harvey W., assignor to La Plant-Choate Mfg. Co. Inc., Cedar Rapids, Iowa. Hydraulic pump and control unit. 143,547; Jan. 15.
- Rockwell Manufacturing Company, assignee: See—Blackwood, Merl A.
- Rodgers, William W., Wilmington, Del. Animal figure. 145,701; Oct. 8.
- Rodwick, Frank: See—Maxson, William E., Jr., and Rodwick.
- Roe, Archie W., Rock Island, Ill. Cartridge belt link. 146,089; Dec. 17.
- Roffey, Theodore, Toronto, Ontario, Canada. Combination desk unit. 145,821; Oct. 22.
- Roger & Gallet, assignee: See—Renaud, Lucien.
- Rogers, Lunt & Bowlen Company, assignee: See—Bowlen, Nord.
Koonz, Frederick W.
- Rogers, William, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,799; May 21.
- Rogers, William J., Mapeth, N. Y. Game board. 143,443; Jan. 1.
- Rogers, Yubie W., St. Louis, Mo. Combination bookcase and desk. 145,104; June 25.
- Rohm, Rudolf, Chicago, Ill. Nutcracker. 145,955; Nov. 19.
- Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 144,469; Apr. 16.
- Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 144,520; Apr. 23.
- Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 144,800; May 21.
- Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 144,803; May 21.
- Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 145,363; Aug. 6.
- Rohner, Ludwig G., New York, N. Y. Tablecloth or similar article. 145,677; Oct. 1.
- Rohner, Ludwig G., Forest Hills, N. Y. Table cover or similar article of manufacture. 144,801; May 21.
- Rohner, Ludwig G., Forest Hills, N. Y. Table cover or similar article of manufacture. 144,802; May 21.
- Romberg, Harland G., Omaha, Nebr. Picture frame. 143,672; Jan. 29.
- Ronson Art Metal Works, Inc., assignee: See—Kaupmann, Frederick.
- Ross, Charles J., Muskegon, Mich. Boot. 145,637; Sept. 24.
- Ropp, Hubert, Lake Bluff, assignor to F. H. Noble & Company, Chicago, Ill. Jewelry display box. 144,219; Mar. 19.
- Rosedale, Max: See—Kahn, Lester, and Rosedale.
- Roseman, Benjamin, New York, N. Y. Juice extractor. 144,586; Apr. 30.
- Rosenberg, Ben, Los Angeles, assignor to M. L. and S. W. Holzman, Long Beach, Calif. Hobby horse. 144,521; Apr. 23.
- Rosenberg, Florence, assignee: See—Plumer, Frederick W.
- Rosenberg, Myer, Chicago, Ill. Magnifying lens. 145,638; Sept. 24.
- Rosenblatt, Manfred, Kew Gardens, N. Y. Holder for cocktail or soda stirrers, pencils, or the like. 145,146; July 2.
- Rosenbloom, Irving, New York, N. Y. Toy table or similar article. 145,858; Oct. 29.
- Rosenfeld, Harry, Co., assignee: See—Hilttenbrand, Frank X.
- Rosenthal, Lawrence L., Los Angeles, Calif. Drawer pull. 143,936; Feb. 19.
- Rosenthal, Lawrence L., Los Angeles, Calif. Drawer pull. 143,937; Feb. 19.
- Ross, Donald, Middlesex, England. Vise. 144,587; Apr. 30.
- Ross, James, Hubbard Woods, Ill. Lamp shade with luminous figures. 145,274; July 23.
- Ross, James, Hubbard Woods, Ill. Luminous ash tray. 145,876; Nov. 5.
- Rost, Kathryn, New York, N. Y. Dress. 143,880; Feb. 12.
- Rost, Kathryn, New York, N. Y. Dress. 143,881; Feb. 12.
- Rost, Kathryn, New York, N. Y. Dress. 143,882; Feb. 12.
- Rost, Kathryn, New York, N. Y. Dress. 145,329; July 30.
- Rost, Kathryn, New York, N. Y. Dress. 145,330; July 30.
- Rost, Kathryn, New York, N. Y. Dress. 145,331; July 30.
- Rost, Kathryn, New York, N. Y. Dress. 145,332; July 30.
- Rost, Kathryn, New York, N. Y. Dress. 145,333; July 30.
- Rost, Kathryn, New York, N. Y. Dress. 145,334; July 30.
- Rost, Kathryn, New York, N. Y. Dress. 145,750; Oct. 15.
- Rost, Kathryn, New York, N. Y. Dress. 145,859; Oct. 29.
- Roth, Andrew, assignor to Bunting Gilder Company, Philadelphia, Pa. Chair. 145,678; Oct. 1.
- Rothaug, Walter H.: See—Sherman, Vernon W., Knipf, and Rothaug.
- Rothschild, Lionel, assignee: See—Lewis, Benjamin.
- Royal Typewriter Company, Inc., assignee: See—Dreyfuss, Henry.
- Rubel, John, New York, N. Y. Necktie or similar article. 143,444; Jan. 1.
- Rubin, Harry, New York, N. Y. Jewelry finding. 145,751; 145,751; Oct. 15.
- Rubin, Herbert, New York, N. Y. Lamp. 144,257; Mar. 26.
- Rubin, Herbert, New York, N. Y. Lamp. 145,588; Sept. 10.
- Rubin, Lewis J., assignor to Universal Camera Corporation, New York, N. Y. Slide projector. 145,364; Aug. 6.
- Rubin, Richard B., Newton Center, Mass. Combined tie rack and drawer. 145,822; Oct. 22.
- Ruddick, Philip, Chicago, Ill. Combined hair brush and comb rack. 146,122; Dec. 24.
- Rudolph, Frederic C.: See—Watts, Roy T., and Rudolph.
- Rudolph Wurlitzer Company, The, assignee: See—Zaiser, William.
- Runnels, Garland D., New York, N. Y. Bottle. 145,645; Sept. 24.
- Ruster, Joseph, Chicago, Ill. Stapler machine. 143,509; Jan. 8.
- Russo, Joseph, New York, N. Y. Plaque or similar article. 145,860; Oct. 29.
- Russy, Wilhelmina J.: See—Maxwell, Paul M., and Russey.
- Ruthenberg, David, Philadelphia, Pa. Doll broom. 145,105; June 25.
- Rycroft, Ralph T., Kenmore, N. Y. Cribbage board. 144,411; Apr. 9.
- Sabin, Bessie E., Toledo, Ohio. Pipe holder. 144,072; Mar. 5.
- Saffady, Thomas F., Detroit, Mich. Combined cup-dispenser and toothbrush holder. 144,139; Mar. 12.
- Saftlas, Samuel, Newark, N. J. Knitted lace fabric. 144,634; May 7.
- Saftlas, Samuel, Newark, N. J. Knitted lace fabric. 144,634; May 7.
- Salkover, Nicholas M., assignee: See—Nash, Harold S.
- Salsky, Samuel, New York, N. Y. Textile fabric. 143,627; Jan. 22.
- Salsky, Samuel, New York, N. Y. Textile fabric. 144,220; Mar. 19.
- Salter, Florence B., assignor of twenty-four per cent to G. D. Gayatt and twenty-eight per cent to K. Rhodes, New Orleans, La. Double-headed doll. 146,062; Dec. 10.
- Salz Bros. Inc., assignee: See—Green, Warren, and Schladermumd.
- Samstag, Anne, Bronxville, N. Y. Textile fabric or similar article. 143,673; Jan. 29.
- Samuels, David G., Jr., Bethlehem, Pa. Toy shovel. 144,568; Apr. 30.
- Sanders, Morris, New York, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Register or similar article. 145,702; Oct. 8.
- Sandler, Jacob, New York, N. Y. Shoe or similar article. 144,140; Mar. 12.
- Sandstrom, Roy J., Buffalo, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Airplane. 145,909; Nov. 12.
- Sanymetal Products Co. Inc., assignee: See—Anderson, Thomas F.
- Sarnes, Lowell F., Dearborn, assignor to Monarch Governor Company, Detroit, Mich. Side view mirror or similar article. 145,910; Nov. 12.
- Sawyer, Lester T., Leominster, Mass. Hairpin or similar article. 143,997; Feb. 26.
- Saylor, Howard L., Los Angeles, Calif. Cream maker. 144,418; Apr. 9.
- Searne, John, Fairview, N. J. Game board. 144,589; Apr. 30.
- Scheafer, Marie, New York, N. Y. Make-up hood or similar article. 144,221; Mar. 19.
- Schapiro, Daisy, New York, N. Y. Shower slipper. 143,938; Feb. 19.
- Schatz, Nathan, St. Louis, Mo. Dress. 146,157; Dec. 31.
- Schauer, Lawrence L., Wyoming, and J. H. McKewen, Cincinnati, Ohio. Upright drilling machine. 144,141; Mar. 12.
- Schein, Abraham, New York, N. Y. Earring. 144,804; May 21.
- Scheurmann, Otto A., Bayside, N. Y. Liturgical medalion or similar article. 143,548; Jan. 15.
- Scheurmann, Otto A., Bayside, N. Y. Liturgical medalion or similar article. 143,549; Jan. 15.
- Scheurmann, Otto A., Bayside, N. Y. Liturgical medalion or similar article. 143,550; Jan. 15.
- Scheurmann, Otto A., Bayside, N. Y. Lace or similar article. 143,551; Jan. 15.

- Scheurmann, Otto A., Bayside, N. Y. Lace or similar article. 143,552; Jan. 15.
- Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 143,553; Jan. 15.
- Schick Incorporated, assignee: *See*—
Hutt, Albert E., and Otto.
- Schick, Karl, New York, N. Y. Twisted plastic tube. 146,010; Dec. 3.
- Schick, Karl F., New York, N. Y. Compact. 143,554; Jan. 15.
- Schilz, John, Los Angeles, Calif. Condiment shaker. 145,228; July 16.
- Schilz, John, Los Angeles, Calif. Condiment shaker. 145,229; July 19.
- Schirokauer, Henry, assignee: *See*—
Hecht, Arno.
- Schladermund, Peter: *See*—
Green, Warren, and Schladermund.
- Schladermund, Peter, Bronxville, and L. L. Rado, New York, N. Y., assignors to Heywood-Wakefield Company, Gardner, Mass. Car seat end support. 144,635; May 7.
- Schladermund, Peter, Bronxville, N. Y., assignor to Sears, Roebuck and Co., Chicago, Ill. Boiler. 145,106; June 25.
- Schladermund, Peter, Bronxville, N. Y., assignor to Sears, Roebuck and Co., Chicago, Ill. Jacket for boiler or furnace. 145,107; Dec. 3.
- Schmidt, Earl C., assignor to Hardwick & Magee Company, Philadelphia, Pa. Carpet or the like. 145,230; July 16.
- Schmued, Edgar, Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Airplane. 144,936; June 4.
- Schmued, Edgar, Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Airplane. 144,937; June 4.
- Schmued, Edgar, Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Airplane. 144,938; June 4.
- Schneck, Max, Long Island, assignor to Max Schneck & Bros., Inc., New York, N. Y. Dress. 145,703; Oct. 8.
- Schneck, Max, Long Island, assignor to Max Schneck & Bros., Inc., New York, N. Y. Dress. 145,704; Oct. 8.
- Schneck, Max, & Bros., Inc., assignee: *See*—
Schneck, Max.
- Schnoor, Frederick D., Stratford, Conn., assignor to General Electric Company, Radio receiver. 146,011; Dec. 3.
- Schofield, Earl L., Rockford, assignor to Burgess Battery Company, Freeport, Ill. Flashlight. 144,522; Apr. 23.
- Scholl, Harry S., assignor to Consolidated Industries, Chicago, Ill. Tray. 145,589; Sept. 10.
- Schouten, Kenneth L., North Hollywood, Calif. Illuminated ash tray. 143,761; Feb. 5.
- Schrader, Wilfred L., Hartville, Ohio. Wall supported cabinet. 145,231; July 19.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,258; Mar. 26.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,259; Mar. 26.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,260; Mar. 26.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,261; Mar. 26.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,262; Mar. 26.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,263; Mar. 26.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,311; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,312; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,313; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,314; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,315; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,316; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,317; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,318; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,319; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,320; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,321; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,322; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,323; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Jewelry pin or similar article. 144,324; Apr. 2.
- Schrayssshuen, Carl, Providence, R. I. Earring. 144,419; Apr. 9.
- Schrayssshuen, Carl, Providence, R. I. Earring. 144,420; Apr. 9.
- Schrayssshuen, Carl, Providence, R. I. Earring. 144,421; Apr. 9.
- Schrayssshuen, Carl, Providence, R. I. Jewelry finding. 144,523; Apr. 23.
- Schrayssshuen, Carl, Providence, R. I. Jewelry finding. 144,524; Apr. 23.
- Schrayssshuen, Carl, Providence, R. I. Pendant. 144,805; May 21.
- Schrayssshuen, Carl, Providence, R. I. Pendant. 144,806; May 21.
- Schrayssshuen, Carl, Providence, R. I. Pendant. 144,807; May 21.
- Schrayssshuen, Carl, Providence, R. I. Pendant. 144,808; May 21.
- Schrayssshuen, Carl, Providence, R. I. Pendant. 144,809; May 21.
- Schrayssshuen, Carl, Providence, R. I. Jewelry finding. 145,752; Oct. 15.
- Schrayssshuen, Carl, Providence, R. I. Jewelry finding. 145,753; Oct. 15.
- Schrayssshuen, Carl, Providence, R. I. Jewelry finding. 145,754; Oct. 15.
- Schrayssshuen, Carl, Providence, R. I. Jewelry finding. 145,755; Oct. 15.
- Schultheis, Francis J.: *See*—
Mankki, and Schultheis.
- Schultz, Robert L., Lorain, Ohio. Child's wheeled toy. 144,874; May 28.
- Schutes, Gerhard R., Saginaw, Mich., assignor to Spartan Aircraft Company, Tulsa, Okla. Combination table and cabinet. 144,590; Apr. 30.
- Schutes, Gerhard R., Saginaw, Mich., assignor to Spartan Aircraft Company, Tulsa, Okla. Combination vanity and writing desk with clothes hamper seat. 144,591; Apr. 30.
- Schutes, Gerhard R., Saginaw, Mich., assignor to Spartan Aircraft Company, Tulsa, Okla. Combined chair and magazine rack. 144,592; Apr. 30.
- Schutes, Gerhard R., Saginaw, Mich., assignor to Spartan Aircraft Company, Tulsa, Okla. Combination end table and cabinet. 144,573; May 28.
- Schwartz, Albert M.: *See*—
Northrop, John K., Cerny, Baum, and Schwartz.
- Schwartz, Douglas H., assignor to D. H. Schwartz and N. Levin, Los Angeles, Calif. Combination magazine rack and ash tray. 144,939; June 4.
- Schwartz, Morris, Brooklyn, N. Y. Discharge folder. 144,142; Mar. 12.
- Schwartz, Morris, Sunnyside, N. Y. Frame for eyeglasses. 146,155; Dec. 31.
- Schwartz, Morris, Sunnyside, N. Y. Cigarette dispensing device. 146,156; Dec. 31.
- Schwartz, Nathan R., New York, N. Y. Lamp base. 144,940; June 4.
- Schwartz, Sidney, assignee: *See*—
Copeland, Peter.
- Schwartz, Sylvan, assignor to Marie Richelieu Parfum Odéant, Inc., New York, N. Y. Bottle or similar article. 144,810; May 21.
- Scott, Arthur R., Kansas City, Mo. Set of chessmen. 145,395; July 30.
- Scott Aviation Corporation, assignee: *See*—
Young, Theodore F.
- Scott, Carl W., Grosse Point Farms, Mich., assignor to Curtiss-Wright Corporation, Airplane. 144,143; Mar. 12.
- Scott, Carl W., Grosse Point Farms, Mich., assignor to Curtiss-Wright Corporation, Airplane. 144,144; Mar. 12.
- Scott, Joseph F.: *See*—
Engel, Elmer C., Scott, and Korda.
- Scott, Myron E., Dayton, Ohio. Bottle. 145,275; July 23.
- Scripto Manufacturing Company, assignee: *See*—
Brisson, Thomas F.
- Scull, Robert C.: *See*—
Martial, Jacques, and Scull.
- Scull, Robert C., and J. Martial, assignors to Electronic Corp. of America, New York, N. Y. Radio receiver cabinet or the like. 144,073; Mar. 5.
- Scull, Robert C., and J. Martial, assignors to Electronic Corp. of America, New York, N. Y. Radio receiver cabinet or the like. 144,074; Mar. 5.
- Scull, Robert C., and J. Martial, assignors to Electronic Corp. of America, New York, N. Y. Radio cabinet or the like. 144,075; Mar. 5.
- Scull, Robert C., and J. Martial, assignors to Electronic Corp. of America, New York, N. Y. Radio cabinet or similar article. 144,076; Mar. 5.
- Seale, Charles E., Jr., and L. W. Stinne, Dallas, Tex. Clothespin. 145,679; Oct. 1.
- Sears, Roebuck and Co., assignee: *See*—
Boisselier, Earl D.
Green, Warren B.
Hauser, Jon W.
Schladermund, Peter.
- Sears, William R.: *See*—
Northrop, John K., and Sears.
- Scheld, Mary, assignor to Kayton Incorporated, New York, N. Y. Fabric. 143,674; Jan. 29.
- Sebold, Raymond C., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane. 145,680; Oct. 1.
- Seidler, William, and O. Feuer, New York, N. Y. Doll head. 145,232; July 16.
- Seidler, William, and O. Feuer, New York, N. Y. Doll head. 145,233; July 16.

- Sekowski, George E., New Haven, Conn., assignor to Ekco Products Company. Spoon or similar article. 144,593; Apr. 30.
- Sekowski, George E., New Haven, Conn., assignor to Ekco Products Company. Spoon or similar article. 144,941; June 4.
- Sellon, Ray N.: *See*—
Engman, Ralph P., and Sellon.
- Sempers, Allan P., Venice, Calif. Rack for trousers and other articles. 144,422; Apr. 9.
- Servel, Inc., assignee: *See*—
Smallwood, Albert E., and Guild.
- Setney Products Company, assignee: *See*—
Anselman, Edward J.
- Severance, Deane C., Walnut Park, Calif. Cover for food receptacles. 145,646; Sept. 24.
- Shaeffer, Norbert, Hollywood, assignor to Universal Microphone Co., Inglewood, Calif. Electric light bulb. 144,636; May 7.
- Shayne, Harry A., Minneapolis, Minn. Motor scooter. 144,077; Mar. 5.
- Shapiro, Benjamin H., New York, N. Y., I. Thomas, Livingston, and J. Hohl, assignors to Plastic Parts Development Company, Newark, N. J. Helicopter pull toy. 145,028; Jan. 22.
- Sharpe, Lois, Glendale, Calif. Bowling game device or similar article. 143,555; Jan. 15.
- Sharps, George J., assignor to Pachner & Koller Inc., Chicago, Ill. Fishing reel. 143,583; Feb. 12.
- Shatz, Nathan, St. Louis, Mo. Dress. 145,956; Nov. 19.
- Shatz, Nathan, St. Louis, Mo. Dress. 145,957; Nov. 19.
- Shaver, James B., assignee: *See*—
Mankki, Onnie, and Schultheis.
- Sheaffer, W. A., Pen Company, assignee: *See*—
Reinecke, Jean O.
- Sheer, Harry, Brooklyn, N. Y. Necklace. 144,525; Apr. 23.
- Sheldrick, Mabel, New York, N. Y. Bathing suit. 144,264; Mar. 26.
- Shell Oil Company, Inc., assignee: *See*—
Welke, Ferdinand G.
- Shelton, Vernon P.: *See*—
Racine, Karl, and Shelton.
- Shemanski, Joseph, Los Angeles, Calif. Watchcase. 145,823; Oct. 22.
- Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Coval National Bank of Portland, and W. B. Nutty, Portland, Maine, as trustees, Packing material for fragile articles. 145,985; Nov. 26.
- Shepard, Ralph H.: *See*—
Folke, Bengt E., and Shepard.
- Shepherd, Benjamin F., Phillipsburg, N. J. Game board. 143,556; Jan. 15.
- Sheridan Electronics Corp., assignee: *See*—
Kaiser, John, Jr.
- Sherman, Vernon W., Summit, L. Kniep, East Orange, N. J., and W. H. Rothaug, assignors to Federal Telephone & Radio Corporation, New York, N. Y. Cabinet for high-frequency electrical healing apparatus. 143,629; Jan. 22.
- Shreeve, Kenneth E., and G. M. Pro, Kansas City, Mo. Weather observation balloon radar corner reflector target. 143,998; Feb. 26.
- Shrier, Martin, Forest Hills, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Stuffed toy animal. 144,942; June 4.
- Shrier, Martin, Forest Hills, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Stuffed puppet toy animal. 145,756; Oct. 15.
- Shubert, Richard T., Parkchester, N. Y. Fish bait spinner. 143,762; Feb. 5.
- Shuman, Clifford W., Akron, Ohio. Toy block. 143,939; Feb. 19.
- Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,336; July 30.
- Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,337; July 30.
- Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,338; July 30.
- Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,339; July 30.
- Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,986; Nov. 26.
- Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,987; Nov. 26.
- Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,988; Nov. 26.
- Siegel, Harry, New York, N. Y., assignor to All-Best Specialties Corp. Baby blanket fastener. 144,470; Apr. 16.
- Silson, Victor, New York, N. Y. Combined lipstick and brush applicator container. 144,145; Mar. 12.
- Silver, Fred: *See*—
Troy, Francis J., and Silver.
- Silver, George, Tallapoosa, Ga., assignor to Baby and grocery carrier. 143,510; Jan. 8.
- Silverman, Adolph D., Los Angeles, Calif. Costumer. 143,630; Jan. 22.
- Simmonds, Wayne W., assignor to Ottawa Steel Products, Incorporated, Ottawa, Kan. Power-lift attachment for tractors. 144,738; May 14.
- Simons, Abraham K., Chicago, Ill. Clock or similar article. 145,757; Oct. 15.
- Simpson, John C., Portland, Oreg. Combination bottle stopper and extractor. 145,184; July 9.
- Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Medicine cabinet. 144,594; Apr. 30.
- Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Medicine cabinet. 144,595; Apr. 30.
- Singer Manufacturing Company, The, assignee: *See*—
Davidson, William A.
- Sky, Bernard, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada. Table. 145,539; Sept. 3.
- Sky, Bernard, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada. Table. 145,540; Sept. 3.
- Sky, Bernard, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada. Table. 145,541; Sept. 3.
- Sky, Bernard, assignor to Skyline Moulded Furniture Company Limited, Toronto, Ontario, Canada. Table. 145,542; Sept. 3.
- Sky-Hook Co., assignee: *See*—
Lewis, Paul M.
- Skyline Moulded Furniture Company Limited, assignee: *See*—
Sky, Bernard.
- Slater, Murray, Brooklyn, N. Y. Pin or similar article. 145,460; Aug. 20.
- Slater, Murray, Brooklyn, N. Y. Pin or similar article. 145,461; Aug. 20.
- Slater, Murray, Brooklyn, N. Y. Pin or similar article. 145,462; Aug. 20.
- Slater, Murray, Brooklyn, N. Y. Pin or similar article. 145,463; Aug. 20.
- Slater, Murray, Brooklyn, N. Y. Pin or similar article. 145,464; Aug. 20.
- Sly, Lloyd W., Kyburz, Calif. Tricycle. 143,940; Feb. 19.
- Small, Hyman J., Worcester, Mass. Cigar or cigarette lighter. 144,078; Mar. 5.
- Smallwood, Albert E., Taunton, Mass., and L. Guild, Noroton, Conn., assignors to Servel Inc., New York, N. Y. Cooking stove. 145,147; July 2.
- Smith, Charles E., Reading, Pa. Handle socket for a hoe or similar article. 143,763; Feb. 5.
- Smith, Clyde T., New York, N. Y. Merchandise display cabinet. 145,958; Nov. 19.
- Smith, Edith A., assignor to Alport Inc., Los Angeles, Calif. Seco. 144,739; May 14.
- Smith, Egbert, Fort Myers, Fla. Salt shaker or similar article. 143,764; Feb. 5.
- Smith, Franklin J., New York, N. Y. Textile fabric. 143,675; Jan. 29.
- Smith, Harvey J., assignor of one-third to W. I. Barker, Danville, Va., and E. E. Mayo, Orlando, Fla. Combined display rack, oil saver, and waste can receptacle. 144,943; June 4.
- Smith, Harvey J., assignor of one-third to W. I. Barker, Danville, Va., and E. E. Mayo, Orlando, Fla. Combined display rack, oil saver, and waste can receptacle. 144,944; June 4.
- Smith, John E., Plainfield, N. J. Electric heater. 144,637; May 7.
- Smith, Lorraine M., Los Angeles, Calif. Covered bowl or similar article. 145,911; Nov. 12.
- Smith, Robert D., Sylacauga, Ala. Clothespin. 144,079; Mar. 5.
- Smith, Roland L., Belmont, assignor to Nuproducts Corporation, Cambridge, Mass. Infusion unit for a coffee maker. 143,557; Jan. 15.
- Smith, Roland L., Belmont, assignor to Nuproducts Corporation, Cambridge, Mass. Infusion unit for a coffee maker. 143,558; Jan. 15.
- Smith, Travis O., Kansas City, Mo. Holder for paper towels or the like. 143,676; Jan. 29.
- Smith, Travis O., Kansas City, Mo. Holder for rolled paper products or the like. 143,677; Jan. 29.
- Smith, William L., Horsham, Pa. Combination portable lavatory. 144,811; May 21.
- Smith, William N., Dallas, Tex. Cotton harvesting machine. 145,411; Aug. 13.
- Smither, John O., Port Scott, Kans. Housing for a power lawn mower. 144,596; Apr. 30.
- Smokador Manufacturing Co., Inc., assignee: *See*—
Mankki, Onnie.
- Smoleofor, Henry J., New York, N. Y. Pocket knife. 145,254; July 16.
- Snell, Francis A., Chenango Forks, assignor to Botnick Motor Corporation, Binghamton, N. Y. Wrench. 143,941; Feb. 19.
- Snyder, Floyd, Cincinnati, assignor to Floyd Snyder Pipes Inc., Milford, Ohio. Tobacco pipe or similar article. 146,158; Dec. 31.
- Snyder, Floyd, Pipes Inc., assignee: *See*—
Snyder, Floyd.
- Snyder, Fred G., assignee: *See*—
Hedrick, Floyd A.
- Snyder, John, assignor to The Standard Churn Company, Wapakoneta, Ohio. Jar or similar article. 145,758; Oct. 15.
- Snyder, Leland H., assignor to Quality Hardware and Machine Corporation, Chicago, Ill. Electric iron or similar article. 145,854; Feb. 12.

- nyder, Leland H., assignor to Quality Hardware and Machine Corporation, Chicago, Ill. Coffee maker or similar article. 144,945; June 4.
 Snyder, Leland H., assignor to Quality Hardware and Machine Corporation, Chicago, Ill. Electric iron or similar article. 145,465; Aug. 20.
 Snyder, Leland H., and W. L. Wiser, assignors to Quality Hardware and Machine Corporation, Chicago, Ill. Massaging device or similar article. 145,078; Jan. 29.
 Snyder, Leland H., and C. D. Yost, assignors to Quality Hardware and Machine Corporation, Chicago, Ill. Carpet sweeper housing or similar article. 144,222; Mar. 19.
 Snyder, Robert E., Pasadena, Calif. Gauge handle. 144,423; Apr. 9.
 Sobel, Harry, Los Angeles, Calif. Slipper. 144,080; Mar. 5.
 Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, assignee: See—
 D'Anselme, Amédée.
 Soklaski, Leo, Brooklyn, N. Y. Casting or body for a lighter or the like. 145,590; Sept. 10.
 Somers, Edward B., New York, N. Y., assignor to The Robert Company, Norwalk, Conn. Rear view mirror. 144,540; May 14.
 Son-Clief Electric, Incorporated, assignee: See—
 Lorenz, Benjamin A.
 Soundscriber Corporation, The, assignee: See—
 Stone, Robert L.
 Spangler, Carl D., Arkadelphia, Ark. Chair. 145,959; Nov. 19.
 Sparks, Byron R., assignor to H. J. Graw, Chicago, Ill. Tripod head. 145,468; Aug. 20.
 Spartan Aircraft Company, assignee: See—
 Schutes, Gerhard R.
 Spatz, Albert C., Mountain View, N. J. Game board. 144,526; Apr. 23.
 Spatz, Leo: See—
 Jones, James, Cohen, and Spatz.
 Specht, Hans A., New York, N. Y. Cigarette lighter. 144,876; May 28.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 143,559; Jan. 15.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 143,560; Jan. 15.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 143,561; Jan. 15.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 143,562; Jan. 15.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 143,999; Feb. 26.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,000; Feb. 26.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,001; Feb. 26.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,002; Feb. 26.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,265; Mar. 26.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,266; Mar. 26.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,267; Mar. 26.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,268; Mar. 26.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,425; Apr. 9.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,426; Apr. 9.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 144,427; Apr. 9.
 Speck, Kurt, Palisade Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Pin or similar article. 145,591; Sept. 10.
 Speidel, Edwin F. M., Cranston, R. I. Expandible link chain for watch bracelet or the like. 145,467; Aug. 20.
 Spence, Edmond J., Montclair, N. J. Kitchen cabinet. 144,999; June 11.
 Spence, Edmond J., Montclair, N. J. Kitchen cabinet. 144,999; June 11.
 Spence, Edmond J., Montclair, N. J. Chair. 144,991; June 11.
 Spence, Edmond J., Montclair, N. J. Chair. 144,992; June 11.
 Spence, Edmond J., Montclair, N. J. Table. 144,993; June 11.
 Spence, Edmond J., Montclair, N. J. Table. 144,994; June 11.
 Spence, Edmond J., Montclair, N. J. Table. 144,995; June 11.
 Spence, Nellie B., Springfield, Mo. Stroller. 145,468; Aug. 20.
 Spies Brothers, Inc., assignee: See—
 Carney, Benedict F.
 Spitz, Henry: See—
 Bolten, John, and Spitz.
 Sport Products, Inc., assignee: See—
 Boyav, Norman.
 Spaul, George J., Springfield, N. J. Hair comb. 144,471; Apr. 16.
 Stack, James L., Jr., Crystal Bay, Nev. Compact. 145,491; Aug. 27.
 Stafford, Ethel D., Webster Groves, Mo. Beanbag toy or similar article. 143,445; Jan. 1.
 Stafford, Ethel D., Webster Groves, Mo. Beanbag toy or similar article. 143,446; Jan. 1.
 Stafford, Ethel D., Webster Groves, Mo. Beanbag toy or similar article. 143,447; Jan. 1.
 Stahl, Harold H., New York, N. Y. Dress. 143,887; Feb. 12.
 Stahl, Harold H., New York, N. Y. Dress. 143,886; Feb. 12.
 Standard Churn Company, The, assignee: See—
 Snyder, John.
 Stanzel, George, assignor to Jay Kel Jewelry Co., New York, N. Y. Jewelry pin. 143,448; Jan. 1.
 Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Combined sink and cabinet. 143,679; Jan. 29.
 Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Spray head. 143,765; Feb. 5.
 Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Bathtub. 143,766; Feb. 5.
 Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Bathtub. 143,767; Feb. 5.
 Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Bathtub. 143,768; Feb. 5.
 Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Bathtub. 144,428; Feb. 5.
 Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Bathtub. 144,429; Apr. 9.
 Stanley, Darwin C., Compton, Calif. Head for a hobby horse or similar article. 144,427; Apr. 9.
 Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft. 144,081; Mar. 5.
 Star Ring Manufacturing Company, assignee: See—
 Beckstein, George C.
 Steele, Elmer, assignor to M. J. Blons, doing business as M. J. Blons and Company, Chicago, Ill. Top for water coolers. 145,759; Oct. 15.
 Steelmaster Incorporated, assignee: See—
 Cohen, Sidney.
 Stegman, Lester E., assignor to Dayton Acme Co., Cincinnati, Ohio. Flashlight. 144,946; June 4.
 Stegman, Lester E., assignor to Dayton Acme Co., Cincinnati, Ohio. Flashlight. 145,469; Aug. 20.
 Steinberg, Harold E., Philadelphia, Pa., assignor to The Esterbrook Pen Company, Camden, N. J. Writing pen. 146,012; Dec. 3.
 Steinhilber, Harry, New York, N. Y. Combined display stand and merchandise container unit. 144,741; May 14.
 Steinberg, Jerome H., Brooklyn, N. Y. Combined lamp base and standard or similar article. 144,270; Mar. 26.
 Steinberg, Jerome H., Brooklyn, N. Y. End plate for a fluorescent lamp. 145,960; Nov. 19.
 Steiner, Charlotte, New York, N. Y. Toy animal. 145,760; Oct. 15.
 Steiner, Leonard, Stamford, Conn. Vulcanizer machine frame. 144,003; Feb. 26.
 Steingruber, George, Atlanta, Ga. Electric space heater. 144,004; Feb. 26.
 Stelzer, Otto R., German Township, St. Joseph County, assignor to Calkins Appliance Corporation, South Bend, Ind. Combination toaster and cooker. 145,108; June 23.
 Stephens, Joseph, Inglewood, Calif. Door knocker. 145,365; Aug. 6.
 Stephenson, Charles E., New York, N. Y. Costumer. 144,986; June 11.
 Stern, Herman: See—
 Beer, Leo, and Stern.
 Stevens, Clifford B., Milwaukee, Wis., assignor to Modern Hygiene, Inc., Boston, Mass. Vacuum cleaner machine. 145,276; July 23.
 Stevens, Clifford B., Milwaukee, Wis., assignor to Modern Hygiene, Inc., Boston, Mass. Vacuum cleaner attachment. 145,681; Oct. 1.

- Stevens, Clifford B., assignor to Bradley Washfountain Co., Milwaukee, Wis. Washfountain. 145,989; Nov. 26.
- Stewart, Bertram H., assignor to Streamline Motor Corp., New York, N. Y. Toy airplane engine. 143,449; Jan. 1.
- Stewart, Bertram H., New York, N. Y. Jar and bottle cap remover. 145,647; Sept. 24.
- Stewart, Caroline E., Washington, D. C. Doll. 144,742; May 14.
- Stewart, Donald E., assignor to Winters & Crompton Corporation, Grandville, Mich. Stove handle. 144,638; May 7.
- Stewart, Donald E., assignor to Winters & Crompton Corporation, Grandville, Mich. Gas control knob for stoves and the like. 145,188; July 9.
- Stewart-Warner Corporation, assignee: *See*—
Ayres, Francis L.
Fitzpatrick, Arthur M., Jr.
Leslie, John H., II.
Tjaarda, John.
- Stiefvater, Francis J., Utica, N. Y., assignor to Utica Drop Forge & Tool Corporation. Combined fence tool and staple puller. 143,769; Feb. 5.
- Stiles, Earl D., West Sand Lake, N. Y. Timing indicator for processing dental plastics. 145,824; Oct. 22.
- Stinne, Leslie W.: *See*—
Scales, Charles E., Jr. and Stinne.
- Stockmar, Albert H., Villa Rica, Ga. Stalk cutter. 144,639; May 7.
- Stokky, Axel, assignor to Danish Trading Co., Inc., New York, N. Y. Anniversary spoon. 145,339; July 30.
- Stolaroff, B. Manuel, assignee: *See*—
Crane, Walton B.
- Stollsteimer, Frederick J., Miami Beach, Fla. Bird feeder. 144,271; Mar. 26.
- Stollsteimer, Frederick J., Miami Beach, Fla. Hanging flower vase. 145,366; Aug. 6.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio cabinet. 144,082; Mar. 5.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio speaker grille or similar article. 145,912; Nov. 12.
- Stone, Robert L., Guilford, assignor to The Soundsciber Corporation, New Haven, Conn. Transcriber floor switch. 144,640; May 7.
- Stone, Robert L., Guilford, assignor to The Soundsciber Corporation, New Haven, Conn. Cabinet for a disk dictating machine. 144,947; June 4.
- Storm, Frederick K., Los Angeles, Calif., assignor to Adel Precision Products. Spoon. 143,450; Jan. 1.
- Storm, Frederick K., Los Angeles, Calif., assignor to Adel Precision Products Corp. Kitchen utensil handle. 143,633; Jan. 15.
- Storm, Frederick K., Los Angeles, Calif., assignor to Adel Precision Products Corp. Medico-surgical camera casing. 145,412; Aug. 13.
- Stough, Turney H., Jeannette, Pa. Candy containing toy telephone. 144,272; Mar. 26.
- Strauss, Hermann, and R. Gardel, New York, N. Y. Brooch pin. 143,451; Jan. 1.
- Strauss, Hermann, and R. Gardel, New York, N. Y. Brooch pin. 143,452; Jan. 1.
- Strauss, Irving, Bridgeport, Conn., and G. O. Kaye, Forest Hills, N. Y. Electric record player or similar article. 144,948; June 4.
- Strauss, Irving, Bridgeport, Conn., and G. O. Kaye, Forest Hills, N. Y. Record player or similar article. 144,949; June 4.
- Strauss, Luke J., Buffalo, N. Y., assignor of one-half to L. Buchmann. Lighter for cigarettes or the like. 145,235; July 16.
- Streamline Motor Corp., assignee: *See*—
Stewart, Bertram H.
- Strom, Clifford, assignee: *See*—
Budlong, Robert D.
- Stumpf, Elmer J., assignor to New Plastic, Los Angeles, Calif. Drinking cup. 144,223; Mar. 19.
- Sulak, Anton F., Seattle, Wash. Clothespin. 144,269; Mar. 26.
- Sulak, Anton F., Seattle, Wash. Toothbrush holder. 144,997; June 11.
- Sun Oil Company, assignee: *See*—
Aldridge, Albert E.
- Sundberg, Carl W., Detroit, Mich., assignor to Landers, Frary & Clark, New Britain, Conn. Scale. 144,273; Mar. 26.
- Sundberg, Carl W., Detroit, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Combined washing machine and wringer or similar article. 145,543; Sept. 3.
- Sundberg, Carl W., Detroit, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Combined washing machine and wringer or similar article. 145,639; Sept. 24.
- Sundberg, Carl W., Detroit, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Casing for washing machines, drying machines, or the like. 145,640; Sept. 24.
- Sundberg, Carl W., Birmingham, Mich., assignor to Bowser, Inc., Fort Wayne, Ind. Housing for dispensing apparatus. 144,812; May 21.
- Sundberg, Carl W., Birmingham, Mich., assignor to Bowser, Inc., Fort Wayne, Ind. Housing for dispensing apparatus. 144,813; May 21.
- Sundberg, Carl W., Birmingham, Mich., assignor to Bowser, Inc., Fort Wayne, Ind. Housing for dispensing apparatus. 144,814; May 21.
- Sundberg, Carl W., Birmingham, Mich., assignor to Bowser, Inc., Fort Wayne, Ind. Housing for dispensing apparatus. 144,815; May 21.
- Sundberg, Carl W., Birmingham, Mich., assignor to Bowser, Inc., Fort Wayne, Ind. Housing for dispensing apparatus. 144,816; May 21.
- Sundberg, Carl W., Birmingham, Mich., assignor to Bowser, Inc., Fort Wayne, Ind. Housing for dispensing apparatus. 144,817; May 21.
- Sundberg, Carl W., Birmingham, Mich., assignor to Bowser, Inc., Fort Wayne, Ind. Housing for dispensing apparatus. 144,818; May 21.
- Sundberg, Carl W., Birmingham, Mich., assignor to Bowser, Inc., Fort Wayne, Ind. Housing for dispensing apparatus. 144,819; May 21.
- Sundt, Edward V., El Monte, Calif. Lamp or similar article. 144,877; May 28.
- Sunmaster Products Corporation, assignee: *See*—
Opperman, Roy.
- Supplier, Johnnie M., Abilene, Tex. Fishing lure. 145,109; June 25.
- Sussman, Andre, assignor to Moneau Corp. of New York, N. Y. Bottle. 144,430; Apr. 9.
- Sussman, Andre, assignor to Moneau Corp. of New York, New York, N. Y. Bottle. 145,470; Aug. 20.
- Sussman, Richard, New York, N. Y. Box. 144,743; May 14.
- Super, George D., Wauwatosa, assignor to Globe-Union Inc., Milwaukee, Wis. Spark plug. 143,680; Jan. 29.
- Sutherland, John E., New Orleans, La. Jewelry finding. 145,236; July 16.
- Sutton, Harry A., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane. 143,434; Jan. 8.
- Swanson, Hilbert E., Milwaukee, assignor to Unit Crane & Shovel Corp., West Allis, Wis. Power shovel cab. 144,083; Mar. 5.
- Swanson, Keith N., Hollywood, Calif. Photographic enlarger. 144,925; Apr. 2.
- Swarr, Clyde M., Lancaster, Pa. Game board. 143,681; Jan. 29.
- Swartzbaugh, Jason B., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 145,544; Sept. 3.
- Swartzbaugh, Jason B., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 145,913; Nov. 12.
- Swartzbaugh Manufacturing Company, The, assignee: *See*—
Swartzbaugh, Jason B.
- Sylvania Electric Products Inc., assignee: *See*—
Miller, Arthur L.
Nitzky, Carl.
- Syracuse Ornamental Co., assignee: *See*—
Bach, Alfons.
Diamond, Freda H.
Fisher, Frederic H.
- Szakacs, Louis, Rome, N. Y. Utility box. 144,744; May 14.
- Talge, Foster L., assignee: *See*—
Talge, Henry J.
- Talge, Henry J., et al.: *See*—
Majewski, Joseph M., Jr., and Talge.
- Talge, Henry J., assignor to J. C. Hockery, F. L. Talge, and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Container opener. 144,224; Mar. 19.
- Talley, Hyrum M., Alhambra, Calif. Barbecue. 144,431; Apr. 9.
- Tandler, William S., and F. A. de Weiss, New York, N. Y., assignors to Continental Motors Corporation, Muskegon, Mich. Portable engine power unit housing. 143,453; Jan. 1.
- Tandler, William S., and F. A. de Weiss, assignors to Industrial Scientific Company, New York, N. Y. Automotive delivery vehicle. 145,592; Sept. 10.
- Tanzi, Mario, assignee: *See*—
Mann, Cressent J.
Rest, Barbara.
- Tanzi, Mario, Chicago, Ill. Brooch or similar article of jewelry. 143,564; Jan. 15.
- Taylor, David, Great Neck, N. Y. Lapel watch frame. 145,185; July 9.
- Taylor, David, Great Neck, N. Y. Lapel watch frame. 145,186; July 9.
- Taylor, David, Great Neck, N. Y. Lapel watch frame. 145,187; July 9.
- Taylor, David, Great Neck, N. Y. Lapel watch frame. 145,492; Aug. 27.
- Taylor, David, Great Neck, N. Y. Lapel watch frame. 145,493; Aug. 27.
- Taylor, David, Great Neck, N. Y. Lapel watch frame. 145,494; Aug. 27.
- Taylor, David, Great Neck, N. Y. Lapel watch frame. 145,495; Aug. 27.
- Taylor, David, Great Neck, N. Y. Lapel watch frame. 146,013; Dec. 3.

- Taylor, Thomas T., and E. A. Chandler, Hawthorne, Calif. Clothespin. 144,820; May 21.
- Teague, James, assignor to Wilson Specialties, Inc., Chicago, Ill. Food chopper or similar article. 144,225; Mar. 19.
- Telechron Inc., assignee: *See*—Collura, Francesco.
- Teller, Andre, New York, N. Y. Combined clock and map. 145,961; Nov. 19.
- Terr, Joseph: *See*—Glattbar, George E., and Terr.
- Terry, Leon W., assignor to two-thirds to M. V. Terry, Flint, Mich. Combined desk lamp and display case. 144,745; May 14.
- Terry, M. V., assignee: *See*—Terry, Leon W.
- Thannhauser, Fred G., Detroit, Mich. Music sheet. 143,942; Feb. 19.
- Thodos, James E., assignor to Bend-a-Lite Plastics Division, branch of Oxygen Equipment & Service Co., Chicago, Ill. Lamp stand. 145,940; July 30.
- Thomas, Islyn: *See*—Shapiro, Benjamin H., Thomas, and Hohl.
- Thomas, Romulus B., Springfield, Ill. Hooded light meter. 145,413; Aug. 13.
- Thomas, William, assignee: *See*—Catanzarite, Patsy G., and Lamancusa.
- Thomas, William B., Kansas City, Mo. Figure toy. 144,005; Feb. 26.
- Thompson, Enrique R., El Paso, Tex. Airplane. 145,545; Sept. 3.
- Thompson, John, Kansas City, Mo. Fence tool. 145,341; July 30.
- Thompson, Josephus, Covington, assignor of one-third to Grossman Music Company, Cleveland, Ohio. Musical instrument mouthpiece. 143,770; Feb. 5.
- Thompson, Lucille, Pasadena, Calif. Doll. 143,631; Jan. 22.
- Thompson, Parke H., Glendale, assignor to AMP Corporation, St. Louis, Mo. Carbonator cabinet. 143,887; Feb. 12.
- Thompson, Sylvia F., Modesto, Calif. Slipper. 146,123; Dec. 24.
- Thomsen, Jack W.: *See*—Lieberman, William A., and Thomsen.
- Thomsen, Jack W., Chicago, Ill. Compact. 143,682; Jan. 29.
- Thomsen, Jack W., Chicago, Ill. Compact. 145,367; Aug. 6.
- Thomsen, John B., Plandome, N. Y. Vise. 145,641; Sept. 24.
- Thorne, Cecil B., New York, N. Y. Combination radio and phonograph cabinet. 145,237; July 16.
- Thorpe, John W., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 144,006; Feb. 26.
- Thredy, Clarence E., assignee: *See*—Haggstrom, Arthur C.
- Tilford, Roy E., Garland, Tex. Insignia exhibitor. 145,825; Oct. 22.
- Timken-Detroit Axle Company, The, assignee: *See*—Walker, George W.
- Tjaarda, John, Grosse Pointe Shores, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 145,990; Nov. 26.
- Tjaarda, John, Grosse Pointe Shores, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 145,991; Nov. 26.
- Tobias, Arthur A., assignor to R. T. Moloney, Chicago, Ill. Spiral grinding fixture. 145,683; Jan. 29.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,641; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,642; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,643; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,644; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,645; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,646; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,647; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,648; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,649; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 144,650; May 7.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 145,496; Aug. 27.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 145,497; Aug. 27.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 145,861; Oct. 29.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 145,862; Oct. 29.
- Todd, Earl, Kokomo, Ind., assignor to Aeri, Inc. Scissors hone. 144,878; May 28.
- Tokheim Oil Tank and Pump Company, assignee: *See*—Cunningham, David.
- Tolpo, Lily M., assignor to Plasto Manufacturing Company, Chicago, Ill. Frame for mirrors, pictures, and the like. 145,593; Sept. 10.
- Tomassini, Harry, Marion, Ohio. Clamp. 144,597; Apr. 30.
- Towle Manufacturing Company, assignee: *See*—Nock, Harold E.
- Trautner, Wagn, Onondaga County, N. Y. Bus marker light. 144,527; Apr. 23.
- Trautner, Wagn, Onondaga County, N. Y. Clearance lamp. 145,277; July 23.
- Trautner, Wagn, Onondaga County, N. Y. Side marker lamp. 145,278; July 23.
- Trautner, Wagn, Onondaga County, N. Y. Corner marker light. 145,279; July 23.
- Trifari, Krussman & Fishel, Inc., assignee: *See*—Philippe, Alfred.
- Trinque, Hector J., Gardner, Mass. Sharpening device. 144,274; Mar. 26.
- Trusted, Finn, and M. O. Berg, Bethesda, Md. Clothespin. 144,226; Mar. 19.
- Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Combined calendar stand and horizontal thermometer. 145,512; Jan. 8.
- Troy, Francis J., Paterson, and F. Silver, South Orange, N. J. Hand mirror. 144,084; Mar. 5.
- Troya, Henry, Inglewood, Calif. Combination nail file and polish receptacle. 144,007; Feb. 26.
- Tubilo, Caroline, Rochester, N. Y. Nursing bottle holder. 143,771; Feb. 5.
- Tuch, Melvin, Milford, Conn. Set of chessmen. 145,992; Nov. 26.
- Tucker, Gordon, Minneapolis, Minn. Score pad holder. 145,877; Nov. 5.
- Tugstad, Irvin, White Plains, N. Y. Baby rattle. 145,342; July 30.
- Tupper, Earl S., Upton, Mass. Combined cigarette and match case. 144,528; Apr. 23.
- Tupper, Earl S., Upton, Mass. Fork or the like. 144,598; Apr. 20.
- Tupper, Earl S., Upton, Mass. Spoon or the like. 144,599; Apr. 30.
- Tydon, Walter, East Aurora, and L. E. Parmely, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Airplane. 144,146; Mar. 12.
- Ullmann, Frank G., New York, N. Y. Fabric or similar article. 145,826; Oct. 22.
- Uncas Manufacturing Company, assignee: *See*—Barbieri, Nicholas.
- Ungar, Fred G., New York, N. Y. Handbag or similar article. 144,008; Feb. 26.
- Union Special Machine Company, assignee: *See*—Christensen, Norman V., and Wallenberg.
- Unit Crane & Shovel Corp., assignee: *See*—Swanson, Hilbert E.
- United Advertising Corporation, assignee: *See*—Eathaway, William R.
- United Cigar-Whelan Stores Corporation, assignee: *See*—Malkin, Simon.
- United States Glass Company, assignee: *See*—Carlson, Charles W.
- United States Naval Academy, 1948 A and B Classes of the, assignee: *See*—Bates, Richard W.
- U. S. Slicing Machine Company, assignee: *See*—Meyer, Paul H.
- U. S. Steel Furniture Manufacturing Corp., assignee: *See*—Bond, Thomas B.
- United Stove Company, assignee: *See*—Miller, Harold H.
- Universal Camera Corporation, assignee: *See*—Rubin, Lewis J.
- Ward, Wallace W.
- Universal Lighters Selling Company Ltd., assignee: *See*—Gostkowski, Bedri H.
- Universal Microphone Co., assignee: *See*—Shaeffer, Norbert.
- Utica Drop Forge & Tool Corporation, assignee: *See*—Stiefvater, Francis J.
- Vail Manufacturing Company, assignee: *See*—Barclay, Robert E.
- Van Broek, Jan A., assignor to Argus, Incorporated, Ann Arbor, Mich. Projector. 145,258; July 16.
- Vandever, Anna E., Riverside, Calif. Combined toothbrush, dentifice container, and brush sheath. 144,275; Mar. 26.
- Van Doren, Harold, Philadelphia, Pa., assignor to Gerity-Adrian Manufacturing Corporation. Double robe hook. 144,009; Feb. 26.
- Van Doren, Harold, Philadelphia, Pa., assignor to Gerity-Adrian Manufacturing Corporation. Robe hook. 144,010; Feb. 26.
- Van Doren, Harold, Philadelphia, Pa., assignor to Gerity-Adrian Manufacturing Corporation. Towel bar bracket. 144,011; Feb. 26.
- Van Doren, Harold, Philadelphia, Pa., assignor to Gerity-Adrian Manufacturing Corporation. Shelf bracket. 144,085; May 8.
- Van Doren, Harold, Philadelphia, Pa., assignor to Gerity-Adrian Manufacturing Corporation. Soap dish. 144,326; Apr. 2.

- Van Doren, Harold, Philadelphia, Pa., assignor to Gerity-Adrian Manufacturing Corporation. Tumbler and brush holder. 144,327; Apr. 2.
- Van Doren, Harold, Philadelphia, Pa., assignor to Gerity-Adrian Manufacturing Corporation. Brush holder. 144,328; Apr. 2.
- Van Fleet, Mont V., Glendale, Calif. Electric heater. 143,684; Jan. 29.
- Van Hee, Achiel B., assignee: See—
- Martin, Joseph F., Jr., and Van Hee.
- Vaughn, Albert E., Orange, N. J. Hair curler. 143,772; Feb. 5.
- Vergara, Samuel, Livermore, Calif. Pin or similar article. 144,432; Apr. 9.
- Verrecchia, Alfio, Providence, R. I. Brooch or similar article. 145,189; July 9.
- Verrecchio, Gene, assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 144,950; June 4.
- Victor Metal Products Corporation, assignee: See—
- Derham, Philip A.
- Vlewstone Company, assignee: See—
- Martial, Jacques, and Scull.
- Vincelle, Dorothy, Oakland, Calif. Game board. 145,914; Nov. 12.
- Virze, Robert J., Los Angeles, Calif. Shrubbery trimmer. 144,433; Apr. 9.
- Vivaudou, Jean E., New York, N. Y. Herb bag. 143,773; Feb. 5.
- Vivaudou, Jean E., New York, N. Y. Herb bag unit. 144,746; May 14.
- Vivier, Roger, New York, N. Y. Shoe. 143,685; Jan. 29.
- Vivier, Roger, New York, N. Y. Shoe. 143,686; Jan. 29.
- Vivier, Roger, New York, N. Y. Shoe. 143,687; Jan. 29.
- Vivier, Roger, New York, N. Y. Shoe. 143,688; Jan. 29.
- Vivier, Roger, New York, N. Y. Shoe. 143,689; Jan. 29.
- Vivier, Roger, New York, N. Y. Shoe. 143,690; Jan. 29.
- Vivier, Roger, New York, N. Y. Shoe. 144,329; Apr. 2.
- Vivier, Roger, New York, N. Y. Shoe. 144,651; May 7.
- Vivier, Roger, New York, N. Y. Shoe. 144,747; May 14.
- Voight, Oscar E., Galveston, Tex. Sink. 144,012; Feb. 26.
- Von Baumann, Cyril, New York, N. Y. Book cover. 143,943; Feb. 19.
- Von Soden, Adolph F., Los Angeles, Calif. Deck of playing cards or the like. 143,565; Jan. 15.
- Vuilleminot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 143,566; Jan. 15.
- W & H Jewelry Co., assignee: See—
- Horovitz, Morris.
- Wager, Robert H., Maplewood, N. J. Optical unit. 145,993; Nov. 26.
- Wager, Sidney G., assignor to The I. T. S. Company, Elyria, Ohio. Rubber heel or similar article. 143,944; Feb. 19.
- Wagner, James C.: See—
- Wagner, Maurie N., and James C.
- Wagner, Maurice N., and J. C., Long Beach, Calif. Swing seat. 143,632; Jan. 22.
- Wagner, Rachelle, Freshold, N. J. Nipple for nursing bottles. 143,774; Feb. 5.
- Wagner, Willys P., Franklin Village, and E. T. Gregorie, Grosse Ile Township, Oakland County, assignors to Ford Motor Company, Dearborn, Mich. Combination bumper guard and license plate holder. 145,915; Nov. 12.
- Wakefield, Charlie E., Torrance, Calif. Bathtub mat. 146,159; Dec. 31.
- Walker, George W., Pleasant Ridge, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Water heater cabinet. 143,775; Feb. 5.
- Walker, George W., Pleasant Ridge, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Suction cleaner casing. 144,147; Mar. 12.
- Walker, George W., Pleasant Ridge, Mich., assignor to Eureka Williams Corporation. Vacuum cleaner. 144,227; Mar. 19.
- Walker, George W., Pleasant Ridge, assignor to Eureka Williams Corporation, Detroit, Mich. Suction cleaner casing. 144,529; Apr. 23.
- Walker, George W., Pleasant Ridge, assignor to Eureka Williams Corporation. Vacuum cleaner casing. 144,600; Apr. 30.
- Walker, George W., assignor, by mesne assignments, to H. D. Brotman, Detroit, Mich. Washing machine. 144,998; Jan. 11.
- Walker, George W., Pleasant Ridge, Mich., assignor to Eureka Williams Corporation. Vacuum cleaner casing. 145,761; Oct. 15.
- Walker, George W., Pleasant Ridge, Mich., assignor to Eureka Williams Corporation. Vacuum cleaner casing. 146,124; Dec. 24.
- Walker, Joset, New York, N. Y. Dress. 143,513; Jan. 8.
- Walker, Joset, New York, N. Y. Dress. 143,514; Jan. 8.
- Walker, Joset, New York, N. Y. Dress. 144,530; Apr. 23.
- Walker, Joset, New York, N. Y. Dress. 145,190; July 9.
- Walker, Joset, New York, N. Y. Dress. 145,827; Oct. 22.
- Wallace, Frank C., North Hollywood, assignor to Monogram Manufacturing Company, Los Angeles, Calif. Handle. 145,943; July 30.
- Wallenberg, Ned L.: See—
- Christensen, Norman V., and Wallenberg.
- Walmart Mfg. Co., The, assignee: See—
- Reinecke, Jean O.
- Walsh, James E., Burbank, Calif. Ice crusher or the like. 145,240; July 16.
- Walton, Anton, New York, N. Y. Embroidered fabric. 144,014; Feb. 26.
- Walter, Anton, New York, N. Y. Embroidered fabric. 144,015; Feb. 26.
- Walter, Anton, New York, N. Y. Embroidered fabric. 144,330; Apr. 2.
- Walter, Anton, New York, N. Y. Embroidered textile fabric. 144,434; Apr. 9.
- Walter, Anton, New York, N. Y. Embroidered fabric. 145,682; Oct. 1.
- Walter, Anton, New York, N. Y. Embroidered fabric. 146,090; Dec. 17.
- Walter, Henry J. G.: See—
- Motley, John H. C., and Walter.
- Walter, John H., Detroit, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Combined washing machine and wringer or similar article. 145,642; Sept. 24.
- Wandt, Carl, New York, N. Y. Lapel ornament or similar article. 144,086; Mar. 5.
- Ward, Wallace W., Bloomfield, N. J., assignor to Universal Camera Corporation, New York, N. Y. Combined film and sound projector. 145,498; Aug. 27.
- Ward, William J., Kansas City, Mo. Mock machine gun and wing attachment for bicycles. 144,013; Feb. 26.
- Ward, William J., Kansas City, Mo. Clothespin. 144,472; Apr. 16.
- Warner, Ernest L., Los Angeles, Calif. Combination cigarette and vanity case. 145,191; July 9.
- Watson, Burr, assignee: See—
- Messick, Turner B.
- Watts, Roy T., New York, and F. C. Rudolph, Jackson Heights, N. Y. Pressure cooker. 145,546; Sept. 3.
- Waugh, Gwenyth, New York, N. Y. Slip over garment for outer wear. 143,776; Feb. 5.
- Webber, Charles H.: See—
- Webber, Ralph and C. H.
- Webber, Ralph and C. H., New York, N. Y. Cigarette container. 144,087; Mar. 5.
- Webber, Ralph and C. H., New York, N. Y. Cigarette container. 144,088; Mar. 5.
- Weber Machine Corporation, assignee: See—
- Leader, Herbert H.
- Wee Folks Furniture Company, assignee: See—
- Adolf, Raymond L.
- Weideman, Edward C., Westchester, assignor to Child Specialties, Inc., Chicago, Ill. Baby bib. 143,888; Feb. 12.
- Weideman, Edward C., Westchester, assignor, by mesne assignments, to Child Specialties, Inc., Chicago, Ill. Child's dish. 144,016; Feb. 26.
- Weidlich Sterling Spoon Co., assignee: See—
- Flauder, Alfred J.
- Weinstock, William B., Flushing, N. Y. Brooch or similar article. 144,951; June 4.
- Weinstock, William B., Flushing, N. Y. Brooch or similar article. 144,952; June 4.
- Weinstock, William B., Kew Gardens Hills, Flushing, N. Y. Brooch or similar article. 145,762; Oct. 15.
- Weisfield & Goldberg, Inc., assignee: See—
- Isb, Barnett.
- Weiss, Max, New York, N. Y. Display stand and container for articles of jewelry and the like. 144,821; May 21.
- Weissberg, Harry E., Vista, Calif. Trailer body. 144,748; May 14.
- Welke, Ferdinand G., assignor to Shell Oil Company, Inc., San Francisco, Calif. Display counter. 145,148; July 2.
- Welke, Ferdinand G., assignor to Shell Oil Company, Inc., San Francisco, Calif. Display counter. 145,149; July 2.
- Wells, Fred W., assignor to Blair Manufacturing Company, Springfield, Mass. Lawn mower. 144,953; June 4.
- Wells, Olga V., Alhambra, Calif. Vending machine. 145,605; Sept. 17.
- Wemyss, Robert B., Louisville, Ky. Rigid side handle for cooking utensils. 143,567; Jan. 15.
- Wemyss, Robert B., Louisville, Ky. Handle for cooking utensils. 143,568; Jan. 15.
- Wemyss, Robert B., Louisville, Ky. Handle for cooking utensils. 143,569; Jan. 15.
- Wemyss, Robert B., Louisville, Ky. Handle for cooking utensils. 143,570; Jan. 15.
- Wemyss, Robert B., Louisville, Ky. Cigar counter humidior. 144,276; Mar. 26.
- Wemyss, Robert B., Louisville, Ky. Counter rack for packaged commodities. 144,331; Apr. 2.
- Wemyss, Robert B., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Handle for cooking utensils. 145,643; Sept. 24.
- Western Electric Company, Incorporated, assignee: See—
- Bennett, Robert M.
- Westman, August A., Carnation, Wash. Wrench. 143,777; Feb. 5.
- Weston, Alexander S., New York, N. Y., Display stand. 144,749; May 14.

- Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,547; Sept. 3.
- Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,548; Sept. 3.
- Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,549; Sept. 3.
- Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,550; Sept. 3.
- Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,551; Sept. 3.
- Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,552; Sept. 3.
- Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,553; Sept. 3.
- Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 145,554; Sept. 3.
- Wheary, Warren, Evanston, Ill. Merchandise display rack. 145,049; June 18.
- White, Roy R., assignor to Henry Paulson and Company, Chicago, Ill. Balance truing caliper. 143,691; Jan. 29.
- White Cabinet Corporation, assignee: *See—*
White, Charles C.
- White, Charles C., assignor to White Cabinet Corporation, New York, N. Y. Combination sink and cooking stove. 143,633; Jan. 22.
- White, Constance R., Beverly Hills, Calif. Toy figure or similar article. 145,344; July 30.
- White, J. J., Manufacturing Company, assignee: *See—*
Flatau, James G.
- White, James, Corbridge, England. Drawer handle or similar article. 145,606; Sept. 17.
- White, Murray, Boston, Mass. Textile fabric. 146,091; Dec. 17.
- White, Olivia, San Francisco, Calif. Pencil for telephone dials. 143,513; Jan. 8.
- White, Paul, Pomona, N. Y. Nested table unit. 143,454; Jan. 1.
- White, Percival, Long Ridge, N. Y. Desk writing unit. 145,828; Oct. 22.
- White, Murray, Boston, Mass. Textile fabric. 146,092; Dec. 17.
- White, Murray, Boston, Mass. Textile fabric. 146,093; Dec. 17.
- White, Murray, Boston, Mass. Textile fabric. 146,094; Dec. 17.
- Whitlock, George E., Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Drainboard for a sink. 143,516; Jan. 8.
- Whitlock, George E., Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Drainboard for a sink. 143,517; Jan. 8.
- Whitman, Frank J., Los Angeles, Calif. Towel rack. 145,829; Oct. 22.
- Whitney, Claude W., Alhambra, Calif. Bird house. 143,455; Jan. 1.
- Whit, Sidney A., Yonkers, assignor to Cordley & Hayes, New York, N. Y. Drinking fountain unit. 145,499; Aug. 27.
- Whitworth, Ozell, Detroit, Mich. Airplane. 144,879; May 28.
- Wicks Bros., assignee: *See—*
Floeter, Frederick S.
- Wiechmann, Berté A., Portland, Oreg., assignor to Jantzen Knitting Mills. Sweater. 145,368; Aug. 6.
- Wiechmann, Berté A., Portland, Oreg., assignor to Jantzen Knitting Mills. Sweater. 145,369; Aug. 6.
- Wiechmann, Berté A., Portland, Oreg., assignor to Jantzen Knitting Mills. Sweater. 145,370; Aug. 6.
- Wiechmann, Berté A., Portland, Oreg., assignor to Jantzen Knitting Mills. Sweater. 145,371; Aug. 6.
- Wiechmann, Berté A., Portland, Oreg., assignor to Jantzen Knitting Mills. Sweater. 145,372; Aug. 6.
- Wiechmann, Berté A., Portland, Oreg., assignor to Jantzen Knitting Mills. Sweater. 145,373; Aug. 6.
- Wiechmann, Berté A., Portland, Oreg., assignor to Jantzen Knitting Mills. Sweater. 146,095; Dec. 17.
- Wiedenhoef, Arthur E., Glen Ellyn, Ill. Electric lighting fixture. 145,471; Aug. 20.
- Wiener, Joseph D., Cedarhurst, N. Y. Lace or similar article. 144,831; Apr. 23.
- Wiemer, Luther J., New York, N. Y. Font of printing type. 144,880; May 28.
- Wilcox, Clark L., Easton, assignor to Field and Flint Co., Brockton, Mass. Shoe. 145,110; June 25.
- Wilde, Hans W., North Bergen, N. J. Textile fabric. 144,822; May 21.
- Wilde, Hans W., North Bergen, N. J. Textile fabric. 144,823; May 21.
- Wilde, Hans W., North Bergen, N. J. Textile fabric. 144,824; May 21.
- Wildgust, Alton C. C., assignor to Hardwick & Magee Company, Philadelphia, Pa. Carpet or the like. 145,241; July 16.
- Wildgust, Alton C. C., assignor to Hardwick & Magee Company, Philadelphia, Pa. Carpet or the like. 145,242; July 16.
- Wilkins, Emily, New York, N. Y. Dress. 144,473; Apr. 16.
- Wilkinson, Herbert W., Jr., Southbridge, Mass. Fabric testing display stand. 145,763; Oct. 15.
- Willeniam, Emile L., Holyoke, Mass., and W. W. Morris, Hazardville, Conn. Wheeled toy. 144,332; Apr. 2.
- Willet, Thomas J., Louisville, Ky. Game board. 143,456; Jan. 1.
- Williams, Alma G., assignee: *See—*
Williams, Arthur P.
- Williams, Arthur P., assignor to A. G. Williams, St. Louis, Mo. Infant's shoe. 143,457; Jan. 1.
- Williams, Charles W., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 144,652; May 7.
- Williams, Charles W., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 144,653; May 7.
- Williams, David H.: *See—*
Hite, Walter A., Harvot, and Williams.
- Williamson, Ray F.: *See—*
Palmer, Irwin H., and Williamson.
- Willis, Walter L., Detroit, Mich. Utility shelf. 145,111; June 25.
- Willys-Overland Motors, Inc., assignee: *See—*
Benning, Walter F.
- Wilson, Elbert M., Denver, Colo. Airplane mask. 144,750; May 14.
- Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 143,778; Feb. 5.
- Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 143,779; Feb. 5.
- Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Casing for a water heater or the like. 144,277; Mar. 26.
- Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 144,654; May 7.
- Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 144,881; May 28.
- Wilson Specialties, Inc., assignee: *See—*
Teague, James.
- Wingfoot Corporation, assignee: *See—*
MacKusick, William P., and Wyant.
- Winslow, James C., Inglewood, Calif. Pencil lead holder. 144,474; Apr. 16.
- Winslow, Richard H., Glendale, W. E. Bloom, Burbank, and H. F. Aldrich, Glendale, Calif. Combination bottle opener, letter opener, and nail file. 144,228; Mar. 19.
- Winsted Hardware Manufacturing Company, The, assignee: *See—*
Florian, Gordon W.
- Winters & Crampton Corporation, assignee: *See—*
Stewart, Donald E.
- Wiser, William L.: *See—*
Snyder, Leland H., and Wiser.
- Wiske, Kurt H., Berkeley, Mich., assignor to Eureka Williams Corporation. Combined nozzle and brush for a vacuum cleaner or similar article. 144,229; Mar. 19.
- Wohl, Daniel, Los Angeles, Calif. Cigarette case or the like. 144,278; Mar. 26.
- Wolf, Nina, New York, N. Y. Necklace or similar article. 144,532; Apr. 23.
- Wolf, Robert A.: *See—*
Bowers, Herbert L., and Wolf.
- Wolf, Robert A., Kenmore, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Helicopter. 146,161; Dec. 31.
- Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,825; May 21.
- Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 144,826; May 21.
- Wolfe, Rodney, Verdun, Quebec, Canada. Photographic mounting. 144,954; June 4.
- Wolff, Julia P., New York, N. Y. Eyelash curler. 143,945; Feb. 19.
- Wollner-Clint, Inc., assignee: *See—*
Clint, Albert D.
- Wolock, Morris, New York, N. Y. Shoe. 146,160; Dec. 31.
- Wood Commodities Corp., assignee: *See—*
Mandelbaum, Bernard K.
- Wood, Louvan E., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Wind indicating apparatus or similar article. 145,345; July 30.
- Wood, Pearl L., Los Angeles, Calif. Soap dish. 143,889; Feb. 12.
- Woodley, Edward L., Baird, Tex. Clip bookmark. 145,705; Oct. 8.
- Woodley, Edward L., Baird, Tex. Clip bookmark. 145,706; Oct. 8.
- Woods, Merrill J., Indianapolis, Ind. Cooking stove or similar article. 143,518; Jan. 8.
- Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Airplane. 146,162; Dec. 31.

- Woodward, Frederick R., Attleboro, Mass., assignor to Gorham Manufacturing Company, Providence, R. I. Fork or other article of flatware. 143,890; Feb. 12.
- Woodward, Lawrence P., Chicago, Ill. Display card holder or the like. 143,780; Feb. 5.
- Woolter, Cecil H., assignor to Brown & Bigelow, St. Paul, Minn. Support for playing cards. 144,435; Apr. 9.
- Worley, Norman R., White City, Kans. Toilet kit. 144,533; Apr. 23.
- Wortman, Grant, Chicago, Ill. Beverage coaster. 143,946; Feb. 19.
- Wright, John H., Philadelphia, Pa. Toy figure. 145,594; Sept. 10.
- Wurlitzer, Rudolph, Company, The, assignee: *See—* Zaiser, William.
- Wyant, James N.: *See—* MacKusick, William P., and Wyant.
- Wyckoff, Nathan D., Chicago, Ill. Link for bracelets and the like. 144,655; May 7.
- Wymer, William C., U. S. Navy, Oregon City, Ore. Game board. 145,644; Sept. 24.
- Yankee Metal Products Corp., assignee: *See—* Putterman, Benjamin.
- Yant, William P., Murraysville, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Facepiece for breathing apparatus. 143,781; Feb. 5.
- Yant, William P., Murraysville, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Facepiece for breathing apparatus. 143,782; Feb. 5.
- Yates, George, Glendale, Calif. Jar top wrench. 145,683; Oct. 1.
- Yerkes, John A., New York, N. Y. Paper punch. 144,601; Apr. 30.
- Yerkes, John A., New York, N. Y. Staple puller. 144,955; June 4.
- Ylitalo, Uno A., Detroit, Mich. Picture frame. 144,436; Apr. 9.
- Ylitalo, Simon A., Detroit, Mich. Picture frame. 144,437; Apr. 9.
- Yohanan, Cuno D., Chicago, Ill. Game board. 144,656; May 7.
- York, Percy J., Tampa, Fla. Whatnot shelf unit. 145,555; Sept. 3.
- Yost, Kermit D.: *See—* Snyder, Leland H., and Yost.
- Young, Theodore F., Attica, assignor to Scott Aviation Corporation, Lancaster, N. Y. Airplane tail wheel. 144,751; May 14.
- Zabel, William C. P., and R. C. Helfenbein, Chicago, Ill. Funnel. 143,458; Jan. 1.
- Zabiak, Daniel M., Chicago, Ill. Airplane. 145,916; Nov. 12.
- Zagunsky, Felix J., assignor to John A. Maxwell & Associates, Detroit, Mich. Wood plane. 145,962; Nov. 19.
- Zaha, Abraham, and J. Monicatti, Detroit, Mich. Bird cage. 144,089; Mar. 5.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 143,459; Jan. 1.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 143,460; Jan. 1.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 143,654; Jan. 22.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 143,635; Jan. 22.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 143,636; Jan. 22.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 143,637; Jan. 22.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 143,638; Jan. 22.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 144,090; Mar. 5.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 144,091; Mar. 5.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 144,092; Mar. 5.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 144,230; Mar. 19.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 144,435; Apr. 9.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 144,439; Apr. 9.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 144,440; Apr. 9.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 144,882; May 28.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 145,994; Nov. 26.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 146,163; Dec. 31.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 144,164; Dec. 31.
- Zeleski, Albert J., Washington, D. C. Egg lifter or similar article. 144,441; Apr. 9.
- Zelov, Victor I., Rosemont, Pa. Tray. 145,764; Oct. 15.
- Zenith Radio Corp., assignee: *See—* Budlong, Robert D.
- Zimbalist, Fred, Cleveland Heights, Ohio. Cigarette server. 145,863; Oct. 29.
- Zimmer, Myron J.: *See—* Chandler, James H., and Zimmer.
- Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Cooking utensil closure. 143,692; Jan. 29.
- Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Pressure cooker. 143,693; Jan. 29.
- Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Combined vegetable chopper, peeler, and slicer. 143,694; Jan. 29.
- Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Covered receptacle for preparing and serving food. 144,956; June 4.
- Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Cooking utensil supporting tray. 145,192; July 9.
- Zimmerman, Gerald O., Klamath Falls, Ore. Game board. 144,602; Apr. 30.
- Zimmerman, Samuel, New York, N. Y. Coat. 143,519; Jan. 8.
- Zimmerman, Samuel, New York, N. Y. Coat. 143,520; Jan. 8.
- Zimmerman, Samuel, New York, N. Y. Coat. 143,521; Jan. 8.
- Zimmerman, Samuel, New York, N. Y. Coat. 143,522; Jan. 8.
- Zimmerman, Samuel, New York, N. Y. Coat. 143,696; Jan. 29.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,333; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,334; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,335; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,336; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,337; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,338; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,339; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,340; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,341; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,342; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,343; Apr. 2.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,442; Apr. 9.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,443; Apr. 9.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,657; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,658; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,659; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,660; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,661; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,662; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,663; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,664; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,665; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,666; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,667; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,668; May 7.
- Zimmerman, Samuel, New York, N. Y. Coat. 144,999; June 11.

Zimmerman, Samuel, New York, N. Y. Coat. 145,000; June 11.
 Zimmerman, Samuel, New York, N. Y. Coat. 145,001; June 11.
 Zimmerman, Samuel, New York, N. Y. Coat. 145,112; June 25.
 Zinaman, Charles, New York, N. Y. Nightgown or similar article. 144,148; Mar. 12.
 Ziniti, Evelyn, New York, N. Y. Shoe. 145,193; July 9.
 Ziniti, Evelyn, New York, N. Y. Shoe or similar article. 145,556; Sept. 3.
 Ziniti, Evelyn, New York, N. Y. Shoe or similar article. 145,684; Oct. 1.

Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Cover plate for a double bath faucet or the like. 143,695; Jan. 29.
 Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Faucet handle or the like. 145,607; Sept. 17.
 Zinkil, Roy H., Oak Park, Ill., and H. Dreyfuss, New York, N. Y., assignors to Crane Co., Chicago, Ill. Feb. 5.
 Zonenstein, Julius, assignor of one-third to H. Luenfeld, Philadelphia, Pa. Lipstick container. 144,603; Apr. 30.
 Zussman, Irving, assignee: See—
 Derham, Philip A.

LIST OF DISCLAIMERS

Allen, William R., Shaker Heights, and Emmett C. Hartley, Euclid Village, Ohio. Disclaimer filed by the assignee, Addressograph-Multigraph Corporation. No. 1,967,221; disclaimer filed Aug. 17, 1946; v. 590; p. 564.
 Allyn, George S., Seattle, Wash. Disclaimer filed by the assignee, Gar Wood Industries, Inc. Re. No. 2,144,7; disclaimer filed Jan. 24, 1946; v. 584; p. 1.
 Almy, Richard, Lancaster Township, Lancaster County, Pa. Disclaimer filed by the assignee, Armstrong Cork Company. No. 2,277,941; disclaimer filed Aug. 26, 1946; v. 591, p. 1.
 Alvira, Alfonso, Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,339,608; disclaimer filed Feb. 15, 1946; v. 584; p. 311.
 Andrews, Raynal W., Jr., and Arthur T. Dolly, Pittsburgh, Pa. Disclaimer filed by the assignee, Laminum Corporation of America. No. 2,331,953; disclaimer filed Feb. 14, 1946; v. 584; p. 311.
 Ashbaugh, John H., Springfield, Mass. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,079,238; disclaimer filed Feb. 26, 1946; v. 585; p. 1.
 Barkei, Jean A. H., Altadena, Calif. (Two cases.) Disclaimer filed by the inventor. Nos. 2,145,577 and 2,191,746; disclaimers filed Nov. 12 and Nov. 15, 1946; v. 593; p. 141.
 Bayre, Albert Edward, John Thompson Marsh, Joseph Tankard, William Harling Watson, and Frederick Charles Wood, Manchester, England. Disclaimer filed by the assignee, Tootal Broadhurst Lee Company. No. 2,088,227; disclaimer filed Nov. 25, 1946; v. 593; p. 428.
 Bruckman, William C., Yellow Springs, Ohio. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,356,818; disclaimer filed Dec. 29, 1945; v. 583; p. 211.
 Buffington, Harry C., Springfield, Ill. Disclaimer filed by the assignee, The Baker Manufacturing Company. Re. No. 20,996; disclaimer filed Jan. 23, 1946; v. 584; p. 1.
 Clark, Thomas B., Rockford, Ill. Disclaimer filed by the assignee, The Permutit Company. No. 2,111,169; disclaimer filed June 28, 1946; v. 588; p. 678.
 Cleaver, John C., and Jules Verne Resek, Whitefish Bay, Wis. Disclaimer filed by the assignee, Cleaver-Brooks Company. No. 2,388,599; disclaimer filed Aug. 28, 1946; v. 591; p. 1.
 Crampton, Basil E., Grand Rapids, Mich. Disclaimer filed by the patentee. No. 2,333,159; disclaimer filed Mar. 4, 1946; v. 585; p. 1.
 Delareuelle, Arthur H., U. S. Marine Corps, and Harry Price, U. S. Navy. Disclaimer filed by the inventors. No. 2,326,766; disclaimer filed June 3, 1946; v. 588; p. 13.
 Dix, Edgar H., Jr., Oakmont, Pa. Disclaimer filed by the assignee, Aluminun Company of America. No. 1,865,089; disclaimer filed Nov. 14, 1946; v. 593; p. 275.
 Dohm, Max, Berlin-Charlottenburg, and Paul Dietrich, Finkenkrug, Osthavelland, near Berlin, Germany. Disclaimer filed by the assignee, Schering Corporation. No. 2,345,384; disclaimer filed Feb. 18, 1946; v. 584; p. 485.
 Erickson, Clarence N., Glendale, Calif. Disclaimer filed by the assignee, Don Baxter, Inc. No. 2,269,904; disclaimer filed Mar. 1, 1946; v. 585; p. 1.
 Fralling, Le Roy H., Detroit, Mich. Disclaimer filed by the assignee, Packard Motor Car Company. No. 2,333,993; disclaimer filed June 24, 1946; v. 588; p. 678.
 Frankenstein, William P., Cincinnati, Ohio. Disclaimer filed by the patentee. Re. No. 21,158; disclaimer filed Feb. 21, 1946; v. 585; p. 1.
 Garman, George W., Glenville, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,325,390; disclaimer filed June 7, 1946; v. 588; p. 355.
 Gaugler, Richard S., Dayton, Ohio. Disclaimer filed by the assignee, General Motors Corporation. No. 2,350,347; disclaimer filed May 9, 1946; v. 587; p. 177.
 Gaynor, James W., Chicago, Ill., and Clarence M. Loane, Hammond, Ind. Disclaimer filed by the assignee, Standard Oil Company. No. 2,362,624; disclaimer filed Feb. 20, 1946; v. 585; p. 173.
 Glaser, Leo B., Cranford, N. J. Disclaimer filed by the assignee, General Instrument Corporation. No. 2,328,641; disclaimer filed Nov. 23, 1945; v. 582; p. 1.

Glitsch, Hans C., Dallas, Tex. Disclaimer filed by the assignee, Fritz W. Glitsch & Sons. No. 2,341,091; disclaimer filed July 25, 1946; v. 590; p. 196.
 Goldstein, Morris E., Denver, Colo. Disclaimer filed by the inventor. No. 2,252,971; disclaimer filed May 27, 1946; v. 588; p. 13.
 Harth, Phillip E., St. Louis, Mo. Disclaimer filed by the inventor and the assignee, National Lead Company. No. 1,991,637; disclaimer filed Nov. 26, 1946; v. 593; p. 437.
 Heath, Almon A., Hawthorne, Calif. Disclaimer filed by the inventor. No. 2,203,280; disclaimer filed Oct. 7, 1946; v. 585; p. 655.
 Heckert, Leon C., Bristol, Pa. Disclaimer filed by the assignee, Röhms & Haas Company. No. 1,808,893; disclaimer filed Oct. 26, 1946; v. 592; p. 413.
 King, Robert A., Erie, Pa. Disclaimer filed by the assignee, General Electric Company. No. 2,317,775; disclaimer filed Jan. 9, 1946; v. 583; p. 211.
 Klierbach, Victor W., South Bend, Ind., and Roy S. Sanford, New York, N. Y. Disclaimer filed by the assignee, Bendix Products Corporation. No. 2,212,442; disclaimer filed July 3, 1946; v. 588; p. 678.
 Kraus, Charles E., Rockford, Ill. Disclaimer filed by the assignee, The Ingersoll Milling Machine Company. No. 2,186,417; disclaimer filed Dec. 7, 1945; v. 582; p. 345.
 Kuhn, Richard and Gerhard Wendt, Heidelberg, Germany. Disclaimer filed by the assignee, Winthrop Chemical Company, Inc. No. 2,296,167; disclaimer filed Oct. 26, 1946; v. 593; p. 141.
 Wilbur, G., Pleasantville, N. Y. Disclaimer filed by the inventor. No. 2,355,874; disclaimer filed Dec. 4, 1945; v. 582; p. 345.
 Lawson, Elmer J., Newtonville, N. Y., and Hervey C. Parke and Leon A. Sweet, Detroit, Mich. Disclaimer filed by the assignee, Parke, Davis & Company. No. 2,358,337; disclaimer filed Oct. 16, 1946; v. 592; p. 413.
 Le Tourneau, Robert G., Stockton, Calif. Disclaimer filed by the inventor and the assignee, R. G. Le Tourneau, Inc. No. 1,963,665; disclaimer filed Mar. 20, 1946; v. 586; p. 181.
 Lincoff, Leroy N., Yonkers, N. Y. Disclaimer filed by the assignee, Alexander Smith & Sons Carpet Company. No. 2,385,925; disclaimer filed May 10, 1946; v. 587; p. 503.
 Lynes, John, Houston, Tex. Disclaimer filed by the inventor and the assignee, Lynes, Inc. No. 2,227,730; disclaimer filed Aug. 6, 1946; v. 590; p. 196.
 Marsh, Myrle O., Fort Wayne, Ind. Disclaimer filed by the assignee, General Electric Company. No. 2,392,171; disclaimer filed Jan. 18, 1946; v. 583; p. 542.
 McMahon, George F., Chicago, Ill. Disclaimer filed by the assignee, Schweitzer & Conrad, Inc. No. 2,328,820; disclaimer filed Sept. 19, 1946; v. 591; p. 507.
 Merrill, Edward C., West Roxbury, James W. Reddie, Hull, and John M. Anderson, Woburn, Mass. Disclaimer filed by the assignee, United-Rexall Drug Company. No. 2,275,154; disclaimer filed Aug. 19, 1946; v. 590; p. 364.
 Mikeska, Louis A., Roselle, N. J. Disclaimer filed by the assignee, Standard Oil Development Company. No. 2,219,050; disclaimer filed Sept. 18, 1946; v. 591; p. 507.
 Mittag, Albert H., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,362,294; disclaimer filed Oct. 17, 1946; v. 592; p. 133.
 Obscury, Theodore, Chicago, Ill. Disclaimer filed by the assignee, Guardian Electric Manufacturing Co. No. 2,351,451; disclaimer filed Dec. 19, 1945; v. 583; p. 211.
 Ogden, Harold S., Erie, Pa. Disclaimer filed by the assignee, General Electric Company. No. 2,383,813; disclaimer filed Oct. 17, 1946; v. 592; p. 275.
 Olander, Roland J., Chicago, Ill. Disclaimer filed by the assignee, W. H. Miner, Inc. No. 2,252,897; disclaimer filed Mar. 20, 1946; v. 585; p. 497.
 Paca, John, Canton, Ohio. Disclaimer filed by the assignee, Diebold Incorporated. No. 1,828,436; disclaimer filed May 16, 1946; v. 587; p. 503.
 Pedersen, John D., Springfield, Mass. Disclaimer filed by the inventor. No. 1,732,949; disclaimer filed Oct. 4, 1946; v. 591; p. 655.

- Pfasterer, George R., Greenville, Pa. Disclaimer filed by the assignee, The Union Switch and Signal Company. No. 2,344,324; disclaimer filed Nov. 20, 1945; v. 582; p. 175.
- Phillips, Irvine L., Long Beach, Calif. Disclaimer filed by the assignee, Seal-Pack Corporation. No. 2,336,291; disclaimer filed Nov. 15, 1946; v. 593; p. 275.
- Pierce, Thomas M., Jr., St. Louis, Mo. Disclaimer filed by the assignee, David E. Owen. No. 2,288,596; disclaimer filed Dec. 27, 1945; v. 583; p. 211.
- Pittman, Earle C., Red Bank, N. J. Disclaimer filed by the assignee, E. I. du Pont de Nemours & Company. Re. No. 22,301; disclaimer filed May 13, 1946; v. 587; p. 503.
- Pittman, Charles A., Jr., Sellersville, Pa. Disclaimer filed by the assignee, Philco Corporation; No. 2,381,079; disclaimer filed Aug. 15, 1946; v. 591; p. 1.
- Polydoroff, Wladimir J., Wilmette, Ill. Disclaimer filed by the assignee, The Mantle Lamp Company of America. Re. No. 21,281; disclaimer filed Jan. 29, 1946; v. 583; p. 542.
- Poupitch, Ougljesa Jules, Chicago, Ill. Disclaimer filed by the assignee, Illinois Tool Works. No. 2,324,269; disclaimer filed Oct. 25, 1946; v. 593; p. 1.
- Powers, Frank T., Glen Cove, N. Y. Disclaimer filed by the inventor. No. 2,371,843; disclaimer filed July 23, 1946; v. 589; p. 491.
- Preston, Neil D., Rochester, N. Y. Disclaimer filed by the assignee, General Railway Signal Company. No. 2,350,639; disclaimer filed Dec. 22, 1945; v. 582; p. 621.
- Quimper, Anthony A., Westfield, Mass. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,254,780; disclaimer filed Feb. 26, 1946; v. 585; p. 173.
- Reggio, Fernando Carlo, Buffalo, N. Y. Disclaimer filed by the inventor. No. 2,378,037; disclaimer filed Nov. 19, 1945; v. 582; p. 1.
- Rhoda, Ralph, Berkeley, Calif. Disclaimer filed by the assignee, Berkeley Pump Company. No. 2,315,656; disclaimer filed June 18, 1946; v. 591; p. 147.
- Robinson, Edwin A., Chatham, and Arthur De Castro, Newark, N. J. Disclaimer filed by the assignee, National Oil Products Company. No. 2,403,304; disclaimer filed Aug. 13, 1946; v. 590; p. 196.
- Roos, Delmar G., Toledo, Ohio. Disclaimer filed by the inventor; the assignee, Willys-Overland Motors, Inc., approving. No. 2,367,434; disclaimer filed Oct. 12, 1946; v. 592; p. 275.
- Rugeley, Edward W., Theophilus A. Field, Jr., and John F. Conlon, Charleston, W. Va. Disclaimer filed by the assignee, Carbide and Carbon Chemicals Corporation. No. 2,161,766; disclaimer filed July 22, 1946; v. 589; p. 327.
- Salzberg, Paul L., Wilmington, Del. Disclaimer filed by the assignee, E. I. du Pont de Nemours and Company. No. 2,101,323; disclaimer filed Jan. 8, 1946; v. 583; p. 211.
- Sander, Frank V., Highland Park, N. J. Disclaimer filed by the assignee, Ortho Pharmaceutical Corporation. No. 2,330,846; disclaimer filed July 19, 1946; v. 589; p. 327.
- Saunders, Norman H., Chicago, Ill. (Two cases.) Disclaimers filed by the assignee, Kellogg Switchboard & Supply Company. Nos. 2,279,531 and 2,325,151; disclaimers filed Mar. 20, and Apr. 18, 1946; v. 585; p. 343, and v. 586; p. 505.
- Schwelter, Walter, Horgen, Switzerland. Disclaimer filed by the inventor. No. 2,401,516; disclaimer filed Oct. 29, 1946; v. 592; p. 413.
- Schwendner, Anthony E., Ridley Park, Pa. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,383,219; disclaimer filed Nov. 20, 1946; v. 593; p. 438.
- Seiklen, Joseph, New York, N. Y. Disclaimer filed by the inventor. No. 2,248,467; disclaimer filed Nov. 30, 1945; v. 582; p. 175.
- Shaw, Hubert R., Drexel Hill, Pa. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,354,148; disclaimer filed Dec. 13, 1945; v. 582; p. 621.
- Shelters, Frederick C., Ludington, Mich. Disclaimer filed by the assignee, Thompson Cabinet Company. No. 2,255,950; disclaimer filed July 3, 1946; v. 589; p. 491.
- Spaunburg, Harvey L., Bristol, and Edward A. Slye, East Hartford, Conn. Disclaimer filed by the assignee, The Wayne Pump Company. No. 2,181,712; disclaimer filed May 8, 1946; v. 587; p. 503.
- Spiller, William R., and John F. Haunty, Dayton, Ohio. Disclaimer filed by the assignee, Harris-Seybold-Potter Company. No. 2,362,853; disclaimer filed May 6, 1946; v. 587; p. 177.
- Taylor, Elmer H., Newburyport, Mass. Disclaimer filed by the assignee, The Chase-Shawmut Company. No. 2,370,206; disclaimer filed Sept. 12, 1946; v. 591; p. 327.
- Thompson, Edward J., Ludington, Mich. Disclaimer filed by the assignee, Thompson Cabinet Company. No. 2,255,949; disclaimer filed July 3, 1946; v. 588; p. 678.
- Thornton, Henry M., York, Pa. Disclaimer filed by the assignee, The Dentists' Supply Company of New York. No. 2,345,305; disclaimer filed Mar. 6, 1946; v. 585; p. 173.
- Udale, Stanley M., Detroit, Mich. Disclaimer filed by the inventor and the assignees, George M. Holley and Earl Holley. No. 2,367,542; disclaimer filed Mar. 5, 1946; v. 585; p. 173.
- Uter, Gustaf E., Worcester, Mass. Disclaimer filed by the assignee, William D. Dodenhoff. No. 2,354,340; disclaimer filed Dec. 19, 1945; v. 583; p. 542.
- Varian, Russell H., Stanford University, Calif. Disclaimer filed by the inventor; the assignee, The Board of Trustees of The Leland Stanford, Jr., University, concurring. No. 2,242,273; disclaimer filed Dec. 4, 1946; v. 593; p. 575.
- Wentworth, Chandler, Haddon Heights, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,322,722; disclaimer filed Dec. 13, 1945; v. 582; p. 621.
- Wherry, Dale J., St. Louis, Mo. Disclaimer filed by the inventor. No. 2,252,149; disclaimer filed July 11, 1946; v. 589; p. 327.
- Wizevich, Peter J., Elizabeth, N. J., now by judicial change of name Peter J. Caylor. Disclaimer filed by the assignee, Jasco, Incorporated. No. 2,213,423; disclaimer filed Jan. 29, 1946; v. 583; p. 542.
- Wilson, John C., Bayside, N. Y. Disclaimer filed by Charles E. Dean, administrator of the estate of John C. Wilson, deceased; the assignee, Hazeltine Research, Inc., assenting. No. 2,295,443; disclaimer filed May 7, 1946; v. 587; p. 335.
- Wood, Harry F., Kenosha, Wis. Disclaimer filed by the inventor; the assignee, Nash-Kelvinator Corporation, acquiescing. No. 2,341,836; disclaimer filed Sept. 12, 1946; v. 591; p. 147.

LIST OF PLANT INVENTIONS

Anemone-flowered echinacea plant. B. W. Sill. 679; Apr. 9.	Plum tree. F. H. Howard. 721; Dec. 31.
Apple tree. A. F. Etter. 699; June 18.	Rose plant. E. S. Boerner. 672-3; Apr. 2.
Apple tree. A. F. Etter. 710; Sept. 17.	Rose plant. J. D. Brownell. 696; June 11.
Apple tree. F. A. Schell. 720; Dec. 24.	Rose plant. R. L. Byrum. 694; June 11.
Apricot tree. W. H. Reeves. 693; June 4.	Rose plant. R. L. Byrum. 715; Nov. 12.
Apricot tree. W. L. Roberts. 674; Apr. 2.	Rose plant. F. H. Howard. 702; July 2.
Avocado tree. A. R. Chenoweth. 667; Jan. 15.	Rose plant. R. G. Jelly. 695; June 11.
Azalea plant. B. R. Leach. 675; Apr. 9.	Rose plant. W. I. Johnston. 680; Apr. 16.
Azalea plant. B. R. Leach. 681; Apr. 16.	Rose plant. J. H. and A. Kluis. 707; July 9.
Barberry plant. P. Brown, Jr. 690; May 21.	Rose plant. W. E. Lammerts. 676-8; Apr. 9.
Barberry plant. C. De Groot. 703; July 2.	Rose plant. W. E. Lammerts. 704; July 2.
Buddleia plant. P. J. Schmidt. 705-6; July 2.	Rose plant. W. E. Lammerts. 716; Dec. 10.
Carnation plant. W. Sim. 669; Jan. 15.	Rose plant. T. J. Morris. 687; June 18.
Chrysanthemum plant. A. Cumming. 689; May 14.	Rose plant. S. B. Roberts. 682; Apr. 16.
Chrysanthemum plant. E. Prushek. 711; Oct. 1.	Rose plant. A. C. Sodano. 688; May 14.
Chrysanthemum plant. E. Prushek. 714; Oct. 29.	Rose plant. H. C. Swim. 709; Aug. 20.
Chrysanthemum plant. A. Cumming. 718; Dec. 10.	Rose plant. H. C. Swim. 712; Oct. 8.
Flowering quince plant. T. Domoto. 700-1; June 25.	Rose plant. H. C. Swim. 713; Oct. 22.
Freesia plant. C. J. Van Bourgondien. 691; May 21.	Rose plant. H. C. Swim. 717; Dec. 10.
Geranium plant. H. R. Bohannon. 683-6; Apr. 30.	Rose plant. H. C. Swim. 719; Dec. 24.
Grapevine. M. A. Owen. 692; May 28.	Rose plant. A. F. Watkins. 687; Apr. 30.
Hibiscus plant. H. C. Swim. 698; June 18.	Rose plant, Hybrid tea. C. Futterman. 668; Jan. 15.
Lily plant. F. Wurzelow, Sr. 708; July 16.	Viola plant. F. Rourke. 671; Jan. 15.
Peach tree. J. W. Nicholson. 670; Jan. 15.	Water-lily plant. P. D. Slocum. 666; Jan. 15.

LIST OF INVENTIONS

- A-frame for excavating machines, Foldable. E. W. Taylor and P. Nielsen. 2,411,305; Nov. 19.
- Abietyl compounds. Treatment of. N. L. Kalman. 2,395,278; Feb. 19.
- Abgrading and polishing tool. C. H. Minnick and E. Shive. 2,402,069; June 11.
- Abgrading device. E. A. Dodelin. 2,411,615; Nov. 26.
- Abgrading machine. R. F. Bardwell and J. H. Smith. 2,406,789; Sept. 3.
- Abgrading machine. E. C. Murdock. 2,404,917; July 30.
- Abgrading wheel. E. W. Hall. 2,395,325; Feb. 19.
- Abraasive article. H. W. Buell. 2,398,408; Apr. 16.
- Abraasive article and making. J. A. Prentice. 2,394,478; Feb. 5.
- Abraasive article and making. K. G. Ries, N. P. Robie, and P. Von Dönhoff. 2,404,192; July 16.
- Abraasive article and making. D. B. Sharpe and R. A. Baumgartner. 2,405,524; Aug. 6.
- Abraasive article and making same, Reinforced. E. E. Howard. 2,398,890; Apr. 23.
- Abraasive article and making the same. S. S. Kistler. 2,406,385; Aug. 27.
- Abraasive article and manufacture of the same. H. W. Buell. 2,412,690; Dec. 17.
- Abraasive article and manufacturing the same. G. J. Goepfert and R. H. Rushmer. 2,397,101; Mar. 26.
- Abraasive article, Making. J. F. Sachs. 2,404,598; July 23.
- Abraasive articles. S. S. Kistler. 2,408,319; Sept. 24.
- Abraasive belt. A. L. Ball. 2,404,207; July 16.
- Abraasive binders and abraasive articles produced thereby. Curing. E. P. Davis. 2,405,191; Aug. 6.
- Abraasive blasting. W. L. Keefer. 2,399,680; May 7.
- Abraasive, Coated. H. P. Kirchner and A. L. Ball. 2,410,506; Nov. 5.
- Abraasive pad and making it, Spongiform plastic. L. H. Englund. 2,413,551; Dec. 31.
- Abraasive, Synthetic resin bonded. G. F. D'Alleio. 2,403,213; July 2.
- Abraasive tool. A. Field. 2,410,870; Nov. 12.
- Abraives, Bonded. C. E. Wooddell, G. Van Nimwegen, and E. T. Hager. 2,400,036; May 7.
- Abraives, Manufacture of. N. E. Oglesby. 2,403,018; July 2.
- Absorbent, Regeneration of. J. W. Latchum, Jr., and J. S. Connors. 2,404,854; July 30.
- Absorber, Electrical power. E. C. Okress. 2,400,777; May 21.
- Absorber, Inertia. H. A. Herzog. 2,408,067; Sept. 24.
- Absorber, Shock. G. E. Dath. 2,400,490; May 21.
- Absorber, Shock. R. F. Olander. 2,402,571; June 25.
- Absorber, Shock. L. F. Thier. 2,407,588; Sept. 10.
- Absorption bases. N. K. Rosenthal. 2,398,254; Apr. 9.
- Abutment process. D. L. Katz. 2,413,503; Dec. 31.
- Abutment ring mold component for tire recapping apparatus. Separate section. J. W. Napier. 2,398,151; Apr. 9.
- Accelerator, Electron. W. F. Westendorp. 2,394,073; Feb. 5.
- Accelerator, Magnetic induction. D. W. Kerst. 2,394,070; Feb. 5.
- Accelerator, Magnetic induction. W. F. Westendorp. 2,394,071; Feb. 5.
- Accelerator, Rubber. W. H. Alton. 2,399,655; May 7.
- Accelerators, Resinous vulcanization. E. W. Cook and E. O. Hook. 2,411,413; Nov. 19.
- Accelerators, Vulcanization. A. A. Somerville. 2,401,519; June 4.
- Accelerometer. J. E. Bevins. 2,394,974; Feb. 19.
- Accelerometer. F. B. 2,394,268; Feb. 5.
- Accelerometer. V. S. Harrison. 2,391,966; Jan. 1.
- Accelerometer. E. Volet. 2,405,382; Aug. 6.
- Accelerometer. W. P. Welch. 2,411,401; Nov. 19.
- Accessory device for typewriters. J. G. Banister. 2,392,517; Jan. 8.
- Accessory mechanism and drive for aircraft engines. J. W. Kinnucan. 2,410,167; Oct. 29.
- Accessory to turnbuckle wrench. T. F. Hauck. 2,403,718; July 9.
- Accordion treble shift mechanism. E. C. Osemberg. 2,410,897; Nov. 12.
- Accounting and filing system. H. Weston. 2,407,119; Sept. 3.
- Accounting apparatus. A. H. Dickinson. 2,402,988; July 2.
- Accounting device, Mobile. A. K. Watson, W. L. Lewis, and J. L. Walsh. 2,398,061; Apr. 9.
- Accounting machine. R. T. Blakely. 2,396,229; Mar. 12.
- Accounting machine. W. Leathers and J. Haddad. 2,393,386; Jan. 22.
- Accounting machine. W. H. Robertson. 2,392,550; Jan. 8.
- Accounting machine. K. R. Schneider. 2,394,637; Feb. 12.
- Accounting machine. T. J. Watson. 2,407,196; Sept. 3.
- Accounting machine, Record controlled. S. Brand and J. M. Cunningham. 2,405,287; Aug. 6.
- Accounting mechanism. A. W. Mills, F. J. Furman, and E. J. Rabenda. 2,399,755; May 7.
- Accounts, Device for distribution of. F. A. Niemann. 2,397,685; Apr. 2.
- Accumulating apparatus. A. H. Dickinson. 2,402,989; July 2.
- Accumulating apparatus. E. A. Rockwell. 2,404,095; July 16.
- Accumulator. N. A. Christensen. 2,406,197; Aug. 20.
- Accumulator. W. Freund. 2,405,349; Aug. 6.
- Accumulator. W. A. Lippincott. 2,397,796; Apr. 2.
- Accumulator. J. Mercier. 2,399,879; May 7.
- Accumulator. J. W. Overbeke. 2,401,792; June 11.
- Accumulator, Electronic. L. A. de Rosa. 2,411,714; Nov. 26.
- Accumulator, Electronic. J. R. Desch and L. D. Kilheffer. 2,401,721; June 11.
- Accumulator, Electronic. R. E. Mumma. 2,401,657; June 4.
- Accumulator, Electronic. R. E. Mumma. 2,405,096; July 30.
- Accumulator, Electronic. R. E. Mumma. 2,405,684; Aug. 13.
- Accumulator, Hydraulic. W. T. Stephens. 2,401,845; June 11.
- Accumulator, Sectional. J. W. Overbeke. 2,394,401; Feb. 5.
- Accumulator bags, Making. J. Mercier. 2,392,173; Jan. 1.
- Accumulator for weft replenishing looms, Thread. R. G. Turner. 2,396,215; Mar. 5.
- Accumulator for weft replenishing looms, Waste thread. R. G. Turner. 2,395,456; Feb. 26.
- Accumulator system. R. T. Burnett. 2,400,039; May 7.
- Acetaldehyde and method, Stabilized. J. G. Dinwiddle. 2,413,038; Dec. 24.
- Acetaldehyde, Producing. A. R. Globus. 2,402,958; July 2.
- Acetamides, Recovering substituted. C. W. Bradley. 2,403,576; July 9.
- Acetate, Preparing starch. R. H. Treadway. 2,399,455; Apr. 30.
- Acetic anhydride, Manufacture of. K. H. W. Tuerck and E. H. Brittain. 2,403,769; July 9.
- Acetic anhydride, Manufacture of. K. H. W. Tuerck and E. H. Brittain. 2,405,471; Aug. 6.
- Acetic anhydride, Manufacture of. K. H. W. Tuerck and H. J. Lichtenstein. 2,405,470; Aug. 6.
- Aceto-acetic esters and their homologues, Production of. K. H. W. Tuerck and H. J. Lichtenstein. 2,412,928; Dec. 17.
- Acetol acetate from wood distillate, Separation of. A. A. Reiter and F. L. Beman. 2,401,274; May 28.
- Acetyl cyanide, Production of. G. C. Ray. 2,396,201; Mar. 5.
- Acetylation of hydroxy nitriles. O. C. Slotterbeck. 2,396,292; Mar. 12.
- Acetylene by means of arsenic trichloride, Purification of. R. B. Wear and G. N. Jarman. 2,407,332; Sept. 10.
- Acetylene from gases, Removal of. C. E. Welling. 2,401,444; June 4.
- Acetylene generator. W. D. Burch. 2,409,833; Oct. 22.
- Acetylene process. W. H. Bahlke and M. T. Carpenter. 2,405,395; Aug. 6.
- Acetylene solutions. W. H. Hamill and R. R. Vogt. 2,405,693; Aug. 13.
- Acetylene, System for producing. P. Peff. 2,399,058; Apr. 23.
- Acetylenes from diolefins, Elimination of. S. H. Hastings and B. B. Turner. 2,401,758; June 11.
- Acid, Addition products of thiolacetic. C. M. Langkammerer. 2,402,560; June 25.
- Acid, Aliphatic esters of phenylphosphonic. A. D. F. Toy. 2,400,577; May 21.
- Acid and its compositions, Making fluoboric. W. E. White. 2,403,148; July 2.
- Acid and making it, Tetraacetyl ribonic. M. Tishler. 2,409,455; Oct. 15.
- Acid, and other lower fatty acids, Dehydration of acetic. D. F. Othmer. 2,395,010; Feb. 19.
- Acid and producing it, Anhydrous monofluorophosphoric. W. Lange and R. Livingston. 2,408,784; Oct. 8.
- Acid and rosin acids sodium salts and sterols from mixtures thereof, Separation of fatty. J. J. Lovas and F. Bruins. 2,395,282; Feb. 19.
- Acid by azeotropic distillation. Dehydration of acetic. H. M. Guinot. 2,412,215; Dec. 10.
- Acid by distillation, Dehydration of hydrohalogen. J. C. Word, Jr., and J. J. Sims. 2,413,205; Dec. 24.
- Acid catalysts, Circulation and contacting of. J. C. Bolinger and P. W. Prutzman. 2,412,863; Dec. 17.

- Acid, Chlorination of saturated hydrocarbons and recovering hydrochloric. L. Glenn, Jr., R. Heitz, and G. Henderson. 2,402,978; July 2, 1949.
- Acid combinations of posterior pituitary extracts, Tannic. E. G. Jones and O. Kamm. 2,399,742; May 7.
- Acid compositions, Barbituric. M. T. Bush. 2,408,289; Sept. 24.
- Acid compositions, Silicic. R. K. Iler and J. S. Kirk. 2,408,655; Oct. 1.
- Acid compounds and the like, Hydroxylation of unsaturated carboxylic. N. A. Milas. 2,402,566; June 25.
- Acid concentration, Nitric. R. S. Bell and R. Davenport. 2,403,902; July 16.
- Acid, Concentration of nitric. F. S. Chambers, Jr., and R. N. Gartside. 2,403,050; July 2.
- Acid-containing stock, Treating fatty. R. H. Potts. Re. 22,775; July 30.
- Acid-curing synthetic resin combined with olefin-sulfur dioxide polymer. L. Smith. 2,410,395; Oct. 29.
- Acid derivatives disubstituted in the γ position and preparing the same, Pimelic. G. Wiest and H. Glaser. 2,396,626; Mar. 12.
- Acid, Derivatives of propionic. A. M. Clifford and J. G. Lichty. 2,392,974; Mar. 15.
- Acid disazo dyestuffs and their manufacture. A. Krehser. 2,405,835; Aug. 13.
- Acid, Esterification of salicylic. R. L. May. 2,397,498; Apr. 2.
- Acid, Esters of endoethylen-hydroxy-cyclopentanoinolane, Thiocyanate aliphatic. H. A. Bruson. 2,394,583; Feb. 12.
- Acid esters of hydroxydihydronordicyclopentadiene, Thiocyanate aliphatic carboxylic. H. A. Bruson. 2,394,584; Feb. 12.
- Acid esters, Production of thickened products from fatty. P. Stamberger. 2,403,408; July 2.
- Acid esters, Silicic. F. Strain. A. G. Chenicek, and I. E. Muskat. 2,394,642; Feb. 12.
- Acid fading inhibition. C. M. Croft and T. S. Waller. 2,409,257; Oct. 15.
- Acid fading on cellulose acetate with melamine resin, Inhibition of. H. C. Olpin and S. A. Gibson. 2,403,019; July 2.
- Acid liquors, Recovery of waste sulphuric. J. M. O'Shaughnessy. 2,394,470; Feb. 5.
- Acid manufacture, Crotonic. D. J. Kennedy. 2,413,235; Dec. 24.
- Acid, Manufacture of fumaric. L. Winstrom. 2,393,352; Jan. 22.
- Acid, Manufacture of sulphamic. E. J. Tauch. 2,408,823; Oct. 8.
- Acid, Preparation of nicotinic. R. T. Dean and V. L. King. 2,409,345; Oct. 15.
- Acid, Preparation of trifluoro acetic. A. F. Benning and J. D. Park. 2,396,076; Mar. 5.
- Acid processes, Nicotinic. S. W. Fox. 2,413,615; Dec. 31.
- Acid, Producing nicotine. A. Zimmerli. 2,394,650; Feb. 12.
- Acid, Producing trichloropropionic. J. G. Lichty. 2,400,483; May 14.
- Acid, Production of anhydrous monofluorophosphoric. W. Lange. 2,408,785; Oct. 8.
- Acid, Production of citric. S. A. Waksman and E. O. Karow. 2,394,031; Feb. 5.
- Acid, Production of hydrocyanic. H. D. Green and P. R. Hendrixson. 2,409,429; Oct. 15.
- Acid, Production of quinolinic. J. van de Kamp and M. Slettinger. 2,392,437; Jan. 8.
- Acid reagents, Making. F. C. Fahnstock and W. A. Hagerbauer. 2,407,822; Sept. 17.
- Acid-rehning residue, Production of resin from. W. A. King, J. Kiser, and J. R. Clark. 2,393,913; Jan. 29.
- Acid-releasing means for deferred action type batteries. H. C. Riggs and W. W. Smith. 2,404,144; July 16.
- Acid salts of a guanidine as mothproofers, Resinous dibasic carboxylic. V. Migridichian. 2,409,883; Oct. 22.
- Acid sludge, Treating. E. T. Ross and C. B. Wilde. 2,395,503; Feb. 26.
- Acid sludge, Utilizing. J. H. Wells and P. J. Wilson, Jr. 2,404,608; July 23.
- Acid sodium pyrophosphate and making it, Stabilized. E. N. Hetzel and G. E. Taylor. 2,408,258; Sept. 24.
- Acid sols, Producing silicic. J. S. Kirk. 2,408,656; Oct. 1.
- Acid sols, Silicic. J. S. Kirk. 2,408,654; Oct. 1.
- Acid, Substituted 4-amino benzoic. O. Wyss, B. J. Ludwig, and M. Rubin. 2,393,673; Jan. 29.
- Acid sulphonates, esters, and salts thereof, Alpha furyl carboxylic. J. T. Thurston. 2,402,511; June 18.
- Acid, Thiolactic. E. K. Ellingboe. 2,412,036; Dec. 3.
- Acid treating a viscous hydrocarbon oil. B. G. Jones and L. H. Sharp. 2,400,298; May 14.
- Acid, Treating spent. J. C. Vyverberg, Jr. 2,404,260; July 16.
- Acid, Unsaturated derivatives of carbamic. A. G. Chenicek. 2,394,592; Feb. 12.
- Acid, Unsaturated derivatives of carbamic. I. E. Muskat and F. Strain. 2,395,750; Feb. 26.
- Acids and esters thereof, Preparation of. D. J. Loder. 2,405,967; Aug. 20.
- Acids and preparation of same, Polymerized esters of carboxylic. H. J. Richter and H. S. Rothrock. 2,410,305; Oct. 29.
- Acids and rosin acids, Separation of the components of a mixture of fatty. J. J. Lovas and J. F. Loughlin. 2,412,518; Dec. 17.
- Acids and their derivatives, Decolorization of acrylic and α -alkylacrylic. W. P. Utermohlen, Jr. 2,394,572; Feb. 12.
- Acids, bodies which impart to water white hydrocarbon liquids, Removing from high-boiling tar. H. A. Alves and H. L. MacKusick. 2,394,652; Feb. 12.
- Acids, Bromination of aromatic. C. A. Spencer. 2,394,268; Feb. 5.
- Acids, Endoalkylene hydroaromatic. H. G. Goodman, Jr. 2,399,344; Apr. 30.
- Acids, Esterifying acyloxy carboxylic. E. M. Filachione. 2,402,129; June 18.
- Acids, Esters of hydroxy benzoic. E. C. Britton and E. Monroe. 2,392,361; Jan. 8.
- Acids, Esters of paraamin phosphonic. G. M. Kosolapoff. 2,397,422; Mar. 26.
- Acids fraction, Treatment of crude tar. V. Molinari. 2,393,700; Jan. 29.
- Acids fractions, Treatment of petroleum tar. V. Molinari. 2,393,699; Jan. 29.
- Acids from cracked naphtha, Removal of organic. E. Q. Camp and D. C. Walsh. 2,394,662; Feb. 12.
- Acids, Hydroxamic. G. F. Rouault and H. D. Rhodes. 2,397,508; Apr. 2.
- Acids, Hydroxycholanolic. W. M. Hoehn and A. W. Schneider. 2,398,709; Apr. 16.
- Acids, Manufacture of amino. J. A. Gamma. 2,405,574; Aug. 13.
- Acids, Manufacture of halo alkoxy derivatives of fatty. D. Price and R. Griffith. 2,392,100; Jan. 1.
- Acids, Manufacture of halogenated organic. H. P. Staudinger and K. H. W. Tuerck. 2,398,867; Apr. 23.
- Acids, Manufacturing acyloxy carboxylic. E. M. Filachione and C. H. Fisher. 2,399,595; Apr. 30.
- Acids, Manufacturing pyridinecarboxylic. F. E. Cislak and W. R. Wheeler. 2,396,457; Mar. 12.
- Acids, Organic. S. Natelson, B. Kramer, and R. Tekel. 2,400,433; May 14.
- Acids, Polymeric hydroxamic. D. D. Coffman. 2,402,604; June 25.
- Acids, Preparing and purifying dicarboxylic. L. L. Lovell and E. J. Jahn. 2,402,825; June 25.
- Acids, Production of alpha-halogenated keto. D. Price and F. J. Sprules. 2,396,969; Mar. 19.
- Acids, Production of diesters of hydroxy carboxylic. E. M. Filachione and C. H. Fisher. 2,402,180; June 18.
- Acids, Purification of dicarboxylic. N. B. Wilson. 2,398,485; Apr. 16.
- Acids, Synthesis of amino. H. R. Snyder. 2,397,628; Apr. 2.
- Acidyl derivatives of substituted biurets. A. J. Hill and W. M. Degan. 2,401,244; May 28.
- Acidyl 4-thiobiurets and making them. A. J. Hill and W. M. Degan. 2,398,003; Apr. 9.
- Acylactone guanazoles. A. Bawley. 2,406,654; Aug. 27.
- Acoustic device. L. G. Bostwick. 2,404,784; July 30.
- Acoustic logging. J. E. Walstrom. 2,396,935; Mar. 19.
- Acoustic mine-sweeping device. H. B. Freeman and B. A. Wicks. 2,395,862; Mar. 5.
- Acoustical apparatus. P. T. Russell. 2,396,722; Mar. 19.
- Acrolein, Manufacture of. W. F. Gresham and R. E. Brooks. 2,402,133; June 18.
- Acrylate resins, Method of and apparatus for depolymerizing. C. L. Shapiro. 2,412,296; Dec. 10.
- Acrylic ester polymers, Treatment of. S. T. Semegen. 2,411,899; Dec. 3.
- Acrylic ester polymers, Treatment of. S. T. Semegen. 2,412,475-6; Dec. 10.
- Acrylic esters of glycol mono-ethers. C. E. Rehberg and C. H. Fisher. 2,396,434; Mar. 12.
- Acrylonitrile polymer solutions. R. C. Houtz. 2,404,719; July 23.
- Acrylonitrile, Preparation of. R. V. Heuser. 2,409,124; Oct. 8.
- Action for grand pianos, Escapement. R. Schulze. 2,411,005; Nov. 12.
- Activating compositions. F. V. Nugent. 2,402,975; July 2.
- Activation, Electrode. C. G. Found. 2,413,442; Dec. 31.
- Actuating and control system, Breach. H. F. Vickers. 2,410,116; Oct. 29.
- Actuating and indicating mechanism, Selective. E. C. Albrecht and G. Cerny. 2,413,131; Dec. 24.
- Actuating means. E. E. Harper. 2,404,288; July 16.
- Actuating mechanism, Fluid pressure. H. J. Schneider and L. G. Simpson. 2,392,772; Jan. 8.
- Actuating mechanism for internal-combustion engines, Valve. G. E. Howard. 2,410,660; Nov. 5.
- Actuating mechanism, Hydraulic. C. B. Livers. 2,401,258; May 28.
- Actuating mechanism, Index. H. G. Musgrave and N. G. Olson. 2,406,098; Aug. 20.
- Actuation, Valve. G. F. Halliday. 2,401,480; June 4.
- Actuator. T. N. Hannant. 2,407,269; Sept. 10.
- Actuator. C. J. Werner. 2,405,338; Aug. 6.
- Actuator, Landing gear. R. M. Nardone. 2,408,992; Oct. 3.
- Actuator, Linear. W. P. Lear. 2,403,092; July 2.
- Actuator, Power operated. J. E. Chapman. 2,407,537; Sept. 10.

- Actuator, Remote control. L. Hegy. 2,392,320; Jan. 8.
 Actuator, Trailer hitch and automatic brake. M. J. Landahl. 2,401,084; May 28.
 Actuator unit for retractable landing gears. R. M. Nardone. 2,408,993; Oct. 8.
 Acyclic terpene oxidation product and production. A. L. Kummelsburg. 2,392,413; Jan. 8.
 Acyl biurets, Preparation of. P. Adams. 2,401,599; June 4.
 Acyl derivatives of vitamin B₆. J. C. Kereaztesy and J. R. Stevens. 2,412,272; Dec. 10.
 Acyl diacylamides and salts thereof. D. W. Kaiser and J. T. Thurston. 2,407,161; Sept. 3.
 Acyl guanidines, Preparing. J. K. Simons and W. I. Weaver. 2,408,694; Oct. 1.
 Acyl-guanylureas and their preparation. D. W. Kaiser and J. T. Thurston. 2,397,667; Apr. 2.
 Acylated amino hydroxy compounds by the action of acid anhydrides on 2-oxazolines, Production of. F. F. Tryon. 2,410,318; Oct. 29.
 Adaptor. W. C. Hasselhorn. 2,393,105; Jan. 15.
 Adaptor for broken drills. K. R. Bozarth. 2,399,425; Apr. 30.
 Adaptor for conventional flashlights, Testing device. C. Roskilly. 2,413,521; Dec. 31.
 Adaptor for grinding form tools. E. W. Nord and C. J. F. Holzhauer. 2,395,139; Feb. 19.
 Adaptor for grinding wheels. C. D. Paul. 2,398,664; Apr. 16.
 Adaptor, Lathe. H. C. Graebe. 2,403,175; July 2.
 Adaptor unit for electric wiring systems. J. F. O'Brien. 2,408,443; Oct. 1.
 Adaptor with swivel joint. R. F. Bannow. 2,404,561; July 23.
 Adding machine. O. R. Hartom. 2,402,549; June 25.
 Adding machine. K. B. W. Kiel. 2,397,745; Apr. 2.
 Additive for lubricants. J. D. Bartleson and F. Veatch. 2,403,474; July 9.
 Additives for lubricants. J. D. Bartleson. 2,403,894; July 9.
 Addressing machine. A. W. Mills, F. J. Furman, and E. J. Rabenda. 2,412,527; Dec. 10.
 Adhesive. P. Stamberger. 2,407,038; Sept. 3.
 Adhesive activation. F. V. Nugent. 2,405,602; Aug. 13.
 Adhesive and adhesive sheet. R. G. Drew. 2,410,053; Oct. 29.
 Adhesive and adhesive tape, Pressure-sensitive. H. C. Brinker and G. B. Gehrenbeck. 2,392,639; Jan. 8.
 Adhesive applicator for wrapping machines. C. A. Gerlach. 2,396,417; May 12.
 Adhesive applying apparatus. W. T. Bailey. 2,402,272; June 18.
 Adhesive, Asphalt. L. Davis and A. J. Gauthier. 2,409,258; Oct. 15.
 Adhesive composition. S. L. Sprague. 2,400,612; May 21.
 Adhesive composition and making the same. M. E. Gross. 2,394,375; Feb. 5.
 Adhesive composition derived from hydrolyzed ethylene vinyl acetate interpolymers. W. H. Sharkey, H. M. Cadot, and W. B. Clark. 2,405,983; Aug. 20.
 Adhesive compositions. C. W. Johnson. 2,410,414; Nov. 5.
 Adhesive compositions. O. H. Smith. 2,397,627; Apr. 2.
 Adhesive handling device. H. G. Allen and E. R. Kenison. 2,394,420; Feb. 5.
 Adhesive, Preparation of pressure-sensitive. P. L. Gordon. 2,394,440; Feb. 5.
 Adhesive, Pressure-sensitive. W. Kellgren. 2,410,079; Oct. 29.
 Adhesive, Pressure sensitive. R. J. Priepke, J. H. Emigh, and C. O. Pike. 2,405,926; Aug. 13.
 Adhesive sealing and reinforcing tape, Meltable. L. Davis and E. C. Tuukkanen. 2,398,735; Apr. 16.
 Adhesive tape. D. J. Buckley. 2,397,774; Apr. 2.
 Adhesive tape dispenser. M. E. Lessin. 2,409,217; Oct. 17.
 Adhesive tape dispenser. E. Singer. 2,401,841; June 11.
 Adhesives. L. Bradshaw, F. J. Morrow, and C. F. MacLagan. 2,399,980; May 7.
 Adhesives. C. F. Brown. 2,392,574; Jan. 8.
 Adhesives and producing same. T. Daur and W. Daniel. 2,407,143; Sept. 3.
 Adhesives comprising an olefin polysulphide rubber. T. R. Ten Broeck. 2,400,474; May 14.
 Adhesives from vegetable proteinous material. G. Davidson. 2,394,043; Feb. 5.
 Adjunct for tobacco. C. F. Woodward, A. Eisner, and P. G. Haines. 2,392,514; Jan. 8.
 Adjustable back seat. L. F. Scott. 2,411,063; Nov. 12.
 Adjustable bedclothes support. J. A. Voss. 2,398,731; Apr. 16.
 Adjustable chair seat. T. Elleman and R. W. Johnson. 2,409,114; Oct. 8.
 Adjustable clamp. B. F. Randrup. 2,398,962; Apr. 23.
 Adjustable clamp. C. E. Thomas. 2,402,215; June 18.
 Adjustable clothesline fastener. T. Russell. 2,412,097; Dec. 3.
 Adjustable connection, Infinitely rotatably. E. C. Scheser. 2,400,665; May 21.
 Adjustable drafting stand. H. L. De Lisle. 2,404,949; July 30.
 Adjustable drill mounting. A. Feucht. 2,409,843; Oct. 22.
 Adjustable flashlight holder. E. L. Dial. 2,402,877; June 25.
 Adjustable harness clip. C. Lund. 2,409,772; Oct. 22.
 Adjustable hone. J. J. Palotsee. 2,412,419; Dec. 10.
 Adjustable liquid sealed pump. E. W. Clements. 2,398,520; Apr. 16.
 Adjustable propeller shaft bearings. H. Oxsen. 2,404,921; July 30.
 Adjustable seat. H. A. Flogaus. 2,393,242; Jan. 22.
 Adjustable shore. A. H. Symons. 2,413,342; Dec. 31.
 Adjustable support. P. F. De Laurentis and F. Kerber. 2,398,413; Apr. 16.
 Adjustable wagon handle. J. R. McCray. 2,394,248; Feb. 13.
 Adjuster, Airbrake slack. A. McEwen. 2,401,091; May 28.
 Adjuster for brakes, Slack. A. A. Michael. 2,402,828; June 25.
 Adjuster for wringers, Roll pressure. F. A. Conterman. 2,405,641; Aug. 13.
 Adjuster, Slack. N. Fleisch. 2,403,512; July 9.
 Adjuster, Slack. J. and J. F. McMullen and C. N. Swartwood. 2,393,117; Jan. 15.
 Adjusting and positioning mechanism, Prism. J. Mihalyl. 2,401,703; June 4.
 Adjusting device, Escapement. E. A. Derungs and O. Chastain. 2,403,612; Oct. 1.
 Adjusting device for lapping tools. A. M. Drake. 2,412,721; Dec. 17.
 Adjusting device, Spindle. J. A. Kennedy. 2,405,889; Aug. 13.
 Adjusting mechanism. C. S. Wolowicz and J. J. Terpay. 2,404,116; July 16.
 Adjusting mechanism, Clutch. H. G. Rollin. 2,408,884; Oct. 8.
 Adjusting mechanism, Power. C. W. Mott. 2,409,510; Oct. 15.
 Adjusting mechanism, Stitch length. C. W. Johnson. 2,407,986; Sept. 24.
 Adjusting screw. D. L. Rankin. 2,394,104; Feb. 5.
 Adjustment and testing of crystal rectifiers. E. O. Keizer. 2,408,898; Oct. 8.
 Adjustment device. J. A. Herbst. 2,404,377; July 23.
 Adjustment of resonant cavities, Frequency. D. H. Ring. 2,406,402; Aug. 27.
 Adjustment system. M. W. Gaiser. 2,405,419; Aug. 6.
 Adsorbent, Bonded. S. W. Briggs. 2,407,247; Sept. 10.
 Adsorptive material, Revivifying. M. H. Arveson. 2,409,234; Oct. 15.
 Aerator. A. F. Flournoy. 2,408,306; Sept. 24.
 Aerial and land vehicles. G. C. Thompson. 2,402,468; July 18.
 Aerial camera mount. J. A. Wills and E. P. Wheaton. 2,393,851; Jan. 29.
 Aerial cargo landing container. Z. T. Walter. 2,408,246; Sept. 24.
 Aerial flare. J. F. Cavanagh. 2,394,896; Feb. 12.
 Aerial flare. J. F. Cavanagh. 2,394,897; Feb. 12.
 Aerial mine. R. W. Britton. 2,412,387; Dec. 10.
 Aerial mounting. D. W. Mitchell. 2,397,151; Mar. 26.
 Aerial pickup device. R. O. Anderson and W. E. Walsh. 2,393,948; Feb. 5.
 Aerial pickup device. M. E. Landry. 2,410,451; Nov. 5.
 Aerial projectile. L. Holmes, Jr. 2,412,151; Dec. 3.
 Aerial propulsion apparatus. R. H. Goddard. 2,395,404; Feb. 26.
 Aero car and propeller construction therefor. N. H. Hassel. 2,396,419; Mar. 12.
 Aerodynamic brake. R. G. Campbell. 2,400,388; May 14.
 Agent, Extinguishing. W. R. Orman. 2,393,477; Jan. 22.
 Agents for protecting against the light of short wave length. S. Isermann and E. Ohlsson. 2,395,665; Feb. 26.
 Agents for the recovery of magnesium ions from brine, Process and. M. J. Hunter and W. C. Bauman. 2,409,861; Oct. 22.
 Agglutinins derived from whooping cough organisms. E. W. Florsdorf. 2,405,740; Aug. 13.
 Aggregate with asphalt emulsions, Coating. P. E. McCoy. 2,412,526; Dec. 10.
 Aggregate with bituminous emulsions, Coating. V. E. Watts. 2,412,545; Dec. 10.
 Agitating. A. C. Daman and L. H. Logue. 2,393,976; Feb. 5.
 Agitating and aeration apparatus. A. C. Daman. 2,410,429; Nov. 5.
 Agitator for liquid cooling systems. J. H. Horan. 2,410,162; Oct. 29.
 Agricultural implement. F. L. Devey. 2,407,064; Sept. 3.
 Agricultural implement. J. Morkoski. 2,407,094; Sept. 3.
 Agricultural implement. J. Morkoski. 2,407,173; Sept. 3.
 Agricultural machine. K. L. Magee. 2,408,939; Oct. 8.
 Agricultural machine. L. A. Marlihart. 2,400,562; May 21.
 Aileron. W. D. van Zelm. 2,403,770; July 9.
 Air admission to gas generator. J. S. Haug. 2,397,138; Mar. 26.
 Air brake. T. H. Affleck. 2,411,406; Nov. 19.
 Air brake. W. A. Baldwin. 2,405,632; Aug. 13.
 Air brake. L. I. Pickert. 2,392,185; Jan. 1.
 Air brake. H. N. Sudduth. 2,408,129; Sept. 24.

- Air brush device. J. A. Paasche. 2,401,504; June 4.
 Air chuck. E. A. F. Redmer. 2,392,999; Jan. 15.
 Air circulator for ovens. W. W. Spooner. 2,412,103; Dec. 3.
 Air cleaner. V. R. Abrams. 2,393,303; Jan. 22.
 Air cleaner. J. B. Sebok. 2,393,660; Jan. 29.
 Air cleaner. J. B. Sebok. 2,401,322; June 4.
 Air cleaner. J. B. Sebok. 2,412,753; Dec. 17.
 Air cleaner. C. G. Troxler. 2,406,931; Sept. 3.
 Air conditioner. J. A. Paasche. 2,393,119; Jan. 15.
 Air conditioner for aircraft cabins. W. F. Mayer. 2,398,655; Apr. 16.
 Air conditioning. T. W. Binder. 2,405,812; Aug. 13.
 Air conditioning apparatus. C. S. Cody. 2,408,973; Oct. 8.
 Air conditioning apparatus. A. H. Eberhart. 2,408,972; Oct. 8.
 Air-conditioning control. E. R. Snavelly. 2,407,036; Sept. 3.
 Air conditioning system. Ice. J. M. Hall. 2,408,635; Oct. 1.
 Air conditioning systems. Controlling device for. A. C. Booth. 2,401,042; May 28.
 Air conditioning unit for warm air furnaces. J. E. Long. 2,392,601; Jan. 8.
 Air conduit. W. D. Callan. 2,396,826; Mar. 19.
 Air control instrument. A. E. Krogh. 2,409,871; Oct. 22.
 Air control system. Furnace. R. B. Fayles. 2,394,297; Feb. 5.
 Air-cooled gas burner. W. M. Shaw. 2,407,349; Sept. 10.
 Air-cooled rotary valve. C. W. Hall. 2,412,260; Dec. 10.
 Air-cooling apparatus. E. J. Dillman. 2,396,559; Mar. 12.
 Aircraft. H. Bonbright. 2,397,526; Apr. 2.
 Aircraft. H. K. Growald. 2,403,595; July 9.
 Aircraft. E. A. Loback. 2,403,936; July 16.
 Aircraft. E. K. Northrop and W. R. Sears. 2,412,647; Dec. 17.
 Aircraft. C. D. Perrine, Jr. 2,394,259; Feb. 5.
 Aircraft. E. A. Stalker. 2,392,419; Jan. 8.
 Aircraft. E. A. Stalker. 2,395,513; Feb. 26.
 Aircraft. E. A. Stalker. 2,397,213; Mar. 26.
 Aircraft. E. A. Stalker. 2,403,133; July 2.
 Aircraft. E. A. Stalker. 2,406,921; Sept. 3.
 Aircraft. E. A. Stalker. 2,406,924; Sept. 3.
 Aircraft. W. Stelzer. 2,404,944; July 23.
 Aircraft. R. J. Woods. 2,400,799; May 21.
 Aircraft armament. D. T. Brown, P. S. Yuljico and H. T. Moore. 2,396,314; Mar. 12.
 Aircraft attitude indicator. F. D. Braddon. 2,412,961; Dec. 24.
 Aircraft breathing regulator. G. M. Deming. 2,403,508; July 9.
 Aircraft cabin and compartment for high altitude operation. W. A. Custer. 2,395,852; Mar. 5.
 Aircraft cargo. E. W. Schlichen. 2,404,195; July 16.
 Aircraft conduit supporting clip. H. R. Ellinwood. 2,396,837; Mar. 19.
 Aircraft construction. E. W. Conlon. 2,392,835; Jan. 15.
 Aircraft control. F. E. Seifert. 2,398,601; Apr. 16.
 Aircraft control apparatus. R. T. Hurley. 2,410,502; Nov. 5.
 Aircraft. Control of. E. A. Stalker. 2,406,919; Sept. 3.
 Aircraft control surface. H. L. Pitt. 2,411,107; Nov. 12.
 Aircraft control surface structure and assembly of same. M. Watter. 2,403,568; July 9.
 Aircraft control surfaces. Actuating. G. H. Miles. 2,400,017; May 7.
 Aircraft enfettering and mooring device. G. W. Replogle. 2,391,921; Jan. 1.
 Aircraft fire extinguishing system. C. H. Lindsay and A. E. Weaver. 2,399,553; Apr. 30.
 Aircraft float. W. N. Millar. 2,396,189; Mar. 5.
 Aircraft, Flying wing. D. B. Bauman. 2,402,358; June 18.
 Aircraft gun-sighting arrangement. J. F. Haberlin. 2,393,305; Feb. 5.
 Aircraft having boundary layer controlled wings. E. A. Stalker. 2,406,923; Sept. 3.
 Aircraft having moving airfoil or wing. A. R. Jackson. 2,408,649; Oct. 1.
 Aircraft heating apparatus. H. J. De N. McCollum. 2,395,417; Feb. 26.
 Aircraft heating system. S. E. Heymann. 2,400,509; May 21.
 Aircraft heating system. H. J. De N. McCollum. 2,395,416; Feb. 26.
 Aircraft interior. E. F. Burton and J. A. Graves. 2,396,039; Mar. 5.
 Aircraft landing gear. R. A. Felburg. 2,399,218; Apr. 23.
 Aircraft landing gear. R. P. Murdoch. 2,408,870; Oct. 8.
 Aircraft landing gear. I. L. Stephan. 2,394,496; Feb. 5.
 Aircraft landing signal device. H. J. Dornak. 2,412,035; Dec. 3.
 Aircraft landing wheel. J. Kerezil and L. C. Maysilles. 2,412,406; Dec. 10.
 Aircraft launching means. A. V. Janiewski. 2,409,763; Oct. 22.
 Aircraft load handling system. T. P. Hall. 2,412,729; Dec. 17.
 Aircraft, Locating lost. E. B. Marple. 2,396,960; Mar. 19.
 Aircraft, Method of and instrument for guiding. W. M. Hall. 2,400,232; May 14.
 Aircraft pickup and towing apparatus. A. G. Dean. 2,395,172; Feb. 19.
 Aircraft power plant. F. W. Godsey, Jr. 2,404,954; July 30.
 Aircraft propeller. P. Landrum. 2,409,438; Oct. 15.
 Aircraft propeller. P. Martinotti. 2,394,460; Feb. 5.
 Aircraft propellers. Anti-icing means for. C. A. Poekel. 2,402,770; June 25.
 Aircraft propulsion. M. L. Donnellan. 2,409,551; Oct. 15.
 Aircraft propulsion system and power unit. F. Whittle. 2,404,334; July 16.
 Aircraft, Rotary wing. R. Cox, Jr. 2,394,846; Feb. 12.
 Aircraft, Rotary wing. E. A. Stalker. 2,408,489; Oct. 1.
 Aircraft, Rotary wing. P. H. Stanley. 2,405,244; Aug. 6.
 Aircraft, Rotative winged. H. F. Pitcairn. 2,402,294; June 18.
 Aircraft, Rotative-winged. H. H. Platt. 2,397,154; Mar. 26.
 Aircraft, Rotative-winged. H. H. Platt. 2,410,459; Nov. 5.
 Aircraft rotor wing construction. J. S. Pecker. 2,410,609; Nov. 5.
 Aircraft siren system. W. P. Lear. 2,392,394; Jan. 8.
 Aircraft structure. R. C. Bergh. 2,399,719; May 7.
 Aircraft structure. J. E. Glover, Jr. 2,399,732; May 7.
 Aircraft structure. M. Watter. 2,392,788; Jan. 8.
 Aircraft structure. M. Watter. 2,395,205; Feb. 19.
 Aircraft structure. M. Watter. 2,396,625; Mar. 12.
 Aircraft supercharger. D. B. Shoults. 2,393,713; Jan. 29.
 Aircraft supercharger arrangement. M. A. Edwards. 2,405,413; Aug. 6.
 Aircraft. Tailless. J. K. Northrop and W. R. Sears. 2,412,646; Dec. 17.
 Aircraft, Towing system for. J. V. B. Duer. 2,400,400; May 14.
 Aircraft transport plane. G. W. Peck. 2,412,285; Dec. 10.
 Aircraft with power-driven rotor. H. F. Pitcairn. 2,407,327; Sept. 10.
 Air distribution in mechanical draft towers. J. G. De Flon. 2,394,755; Feb. 12.
 Air distribution outlet. W. W. Kennedy. 2,392,393; Jan. 8.
 Air duct control for heating systems. R. L. Leigh. 2,397,672; Apr. 2.
 Air entrainment. Method and apparatus for measuring. B. R. Walsh and G. S. Peterson. 2,406,179; Aug. 20.
 Air expansion power system. F. Nettel and J. Kreiner. 2,394,253; Feb. 5.
 Aircraft Aerial. J. D. Brown. 2,399,461; Apr. 30.
 Air filter. H. E. Belsher. 2,408,158; Sept. 24.
 Air filter. C. G. Lamb. 2,408,659; Oct. 1.
 Airfoil. T. C. Ludington and R. V. Griswold. 2,408,788; Oct. 8.
 Airfoil, especially for sustaining rotors. Molded. A. E. Larsen. 2,400,649; May 21.
 Airfoil mounting and actuating mechanism. F. E. Flader. 2,404,045; July 16.
 Airfoil. Control of. E. S. Kleinbans and G. P. Peed, Jr. 2,395,671; Feb. 26.
 Air furnishing device. Auxiliary. P. C. Nilles and J. A. Steffen. 2,410,125; Oct. 29.
 Air heating furnace. A. A. Olson. 2,399,690; May 7.
 Air in elevator cars. Purifying. I. R. Disbro and J. S. Coulton. 2,398,627; Apr. 16.
 Air intake for internal-combustion engines. J. Cutts. 2,396,317; Mar. 12.
 Air intake for motors. J. J. Palotsee. 2,396,601; Mar. 12.
 Air jacket and tuning mechanism for resonators. Combined. I. E. Mourmoutseff and G. M. Dinnick. 2,394,396; Feb. 5.
 Air line connector. W. Fenton. 2,402,616; June 25.
 Air motor. W. F. Ellison. 2,393,178; Apr. 9.
 Air operated clutch. G. R. Tremolada. 2,407,043; Sept. 3.
 Air or watertight device for timepieces. L. Bolle. 2,399,092; Apr. 23.
 Airplane. E. E. Bissett. 2,402,311; June 18.
 Airplane. G. W. Cornelius. 2,406,588; Aug. 27.
 Airplane. O. C. Koppen. 2,410,856; Nov. 12.
 Airplane. D. W. Main. 2,397,189; Mar. 26.
 Airplane. D. W. Main. 2,413,460; Dec. 31.
 Airplane. T. W. Oglesby. 2,406,625; Aug. 27.
 Airplane. C. Roe. 2,410,239; Oct. 29.
 Airplane. J. Stuart, III. 2,397,632; Apr. 2.
 Airplane. E. E. Wallace. 2,392,439; Jan. 8.
 Airplane. R. J. Woods. 2,396,628; Mar. 12.
 Airplane, All-wing. J. K. Northrop. 2,400,506; Aug. 27.
 Airplane, Bomber. J. Hojnowski. 2,395,547; Feb. 26.
 Airplane, Cabin heating system. F. F. Hoessel. 2,412,334; Dec. 10.
 Airplane construction. H. D. Fowler. 2,407,774; Sept. 17.
 Airplane construction. M. Watter. 2,405,918; Aug. 13.
 Airplane construction. Cross wing. W. F. Carlson. 2,403,499; July 9.
 Airplane control. F. A. Wodal. 2,396,309; Mar. 12.
 Airplane control. Model. W. L. Barr. 2,395,530; Feb. 26.
 Airplane, Decoy. W. E. Scott. 2,395,914; Mar. 5.
 Airplane deicing and engine silencing construction. F. P. Chadsey. 2,396,684; Mar. 19.

- Airplane dispatching system. S. J. Mackey and H. S. Wynn. 2,391,991; Jan. 1.
- Airplane hangar. E. R. Capita. 2,411,316; Nov. 19.
- Airplane landing gear. J. F. Kendrick. 2,398,145; Apr. 9.
- Airplane landing gear. B. E. Yaggy. 2,404,018; July 16.
- Airplane lift dolly. C. P. Baum. 2,392,830; Jan. 15.
- Airplane light. J. M. Koper. 2,391,922; Jan. 1.
- Airplane loading and service vehicle. N. V. Kuehlman and H. C. French. 2,412,158; Dec. 3.
- Airplane. Miniature self-propelled. W. R. Padgett. 2,404,922; July 30.
- Airplane. Model. W. F. Rossiter. 2,396,886; Mar. 19.
- Airplane power plants. Control system for. F. E. Mercier. 2,401,497; June 4.
- Airplane spray unit. C. N. Husman and O. M. Longcoy. 2,395,827; Mar. 5.
- Airplane tail support. R. V. Trader. 2,394,825; Feb. 12.
- Airplane tire. A. A. Human. 2,409,355; Oct. 15.
- Airplane tire prerotating means. C. A. Pavey. 2,411,668; Nov. 26.
- Airplane. Toy. F. B. Cavanaugh. 2,401,459; June 4.
- Airplane turn indicator. C. J. Crane. 2,396,687; Mar. 19.
- Airplane weighing apparatus. H. O. Hem. 2,410,654; Nov. 5.
- Airplane wheel attachment. A. Backstrom. 2,410,622; Nov. 5.
- Airplane wheel spinner. H. D. Johnson. 2,397,319; Mar. 26.
- Airplane wheel turning device. P. J. Grabash. 2,412,884; Dec. 17.
- Airplane wing contour gauge. D. C. Rowe. 2,394,489; Feb. 5.
- Airplane with material and article handling equipment. F. L. Hewitt. 2,402,283; June 18.
- Airplanes and the like, Assembling. A. F. Anjeskey. 2,405,544; Aug. 13.
- Airplanes. Control system for. E. F. Zap. 2,402,001; June 11.
- Airplanes. Gross weight indicator for. J. Flatt. 2,402,618; June 25.
- Airplanes. Indicator for radio controlled. J. B. Kendrick. 2,401,873; June 11.
- Airplanes. Retractable control element for toy. N. F. Walker. 2,406,874; Sept. 3.
- Airplanes. Roll control for. I. L. Ashkenas. 2,402,118; June 18.
- Airplanes. Tail skid connection for. R. V. Trader. 2,394,826; Feb. 12.
- Airport. R. B. Rogers. 2,400,841; May 21.
- Airport. C. Stockstrom. 2,404,933; July 30.
- Air purifying and filtering apparatus. J. F. Dauster. 2,400,076; May 14.
- Air-purifying apparatus. E. Venable. 2,400,180; May 14.
- Air raid warning control system. C. M. Hines. 2,396,423; Mar. 12.
- Air raid warning system. C. M. Hines. 2,396,422; Mar. 12.
- Air screws or like rotating bodies. Aerodynamic balancing of. H. L. Milner. 2,400,942; May 28.
- Airship. L. H. Donnell and E. L. Shaw. 2,396,494; Mar. 12.
- Airship. Dirigible. N. H. Nelson. 2,406,302; Aug. 20.
- Airspaced photographic support. A. Murray. 2,400,365; May 14.
- Airspaced support. C. Q. Glassey. 2,400,346; May 14.
- Air-speed indicator. A. R. Lee. 2,408,661; Oct. 1.
- Air speed indicator. M. Watter. 2,411,484; Nov. 19.
- Air-speed responsive device. K. W. Olson. 2,412,471; Dec. 10.
- Air treating apparatus. C. F. J. Dupuy. 2,405,494; Aug. 6.
- Air washing means. A. R. Clark, J. C. Buck, and R. V. De Vries. 2,395,960; Mar. 5.
- Airway traffic control system. S. N. Night and O. S. Field. 2,410,540; Nov. 5.
- Alarm device for automobiles. P. T. Gorton. 2,407,073; Sept. 3.
- Alarm device for automobiles, Burglar. F. E. Engler. 2,402,111; June 11.
- Alarm. Fire. G. Rushing, Jr. 2,398,966; Apr. 23.
- Alarm for vehicle tires. Low inflation. R. G. Miller. 2,411,285; Nov. 19.
- Alarm installations with central power supply. C. F. Ahlberg and S. A. Nilsson. 2,397,906; Apr. 9.
- Alarm. Low water. F. M. Patterson. 2,411,457; Nov. 19.
- Alarm signal for paper machines, Warning. H. S. Spencer. 2,410,249; Oct. 29.
- Alarm system. J. N. Hoekstra. 2,404,842; July 30.
- Alarm system. L. Jacobson. 2,399,229; Apr. 30.
- Alarm. Tape feed. L. M. Potts. 2,410,521; Nov. 5.
- Album picture holder. A. Holtzman. 2,403,530; July 9.
- Alcohol and acetone by fermentation, Production of butyl. F. F. McCoy. 2,398,837; Apr. 23.
- Alcohol composition. Polyvinyl. C. Dangelmaier. 2,395,616; Feb. 26.
- Alcohol composition. Polyvinyl. C. J. Krister, H. J. Sedusky, and G. L. Thompson. 2,413,570; Dec. 31.
- Alcohol. Treating polyvinyl. J. Dahle. 2,407,061; Sept. 3.
- Alcohols and preparing them, N-substituted amino monohydric secondary. M. Senkue. 2,413,247; Dec. 24.
- Alcohols. Dehydration of. W. J. Hale and H. Miller. 2,400,409; May 14.
- Alcohols. Distilling. O. von Keussler. 2,392,534; Jan. 8.
- Alcohols. High molecular polyhydric. E. W. Eckey and J. E. Taylor. 2,413,612; Dec. 31.
- Alcohols. Modified polymeric polyhydric. W. A. Hoffman and C. W. Mortenson. 2,394,776; Feb. 12.
- Alcohols. Nitrating. J. E. Lufkin. 2,396,330; Mar. 12.
- Alcohols. Producing ether. P. I. Bowman, R. H. Barth, and H. Burrell. 2,401,743; June 11.
- Alcohols. Production of aliphatic. T. F. Doumani. 2,394,848; Feb. 12.
- Alcohols. Production of resin. O. Schmidt. 2,392,952; Jan. 15.
- Alcohols. Purification of monohydric. J. A. Patterson. 2,402,077; June 11.
- Alcoholates. Production of. W. F. Russell. 2,405,712-13; Aug. 13.
- Alcoholysis of alkamine esters of diaryl hydroxyacetic acids. A. J. Hill and R. B. Holmes. 2,394,770; Feb. 12.
- Aldehydes and acetals, Preparation of. L. Schmerling and V. N. Ipatieff. 2,412,012; Dec. 3.
- Aldehydes and diazine derivatives, Reaction products of. G. F. D'Alleio and J. W. Underwood. 2,392,837; Jan. 15.
- Algae. Destruction of. H. M. Corley. 2,393,293; Jan. 22.
- Algaecide. M. Gelfand. 2,400,863; May 21.
- Algin-bitumen composition and its preparation. D. E. Clark, A. B. Steiner, and K. F. Gibsen. 2,393,022; Jan. 15.
- Algin compound and preparation thereof. V. C. Le Gloahec. 2,400,834; May 21.
- Alginates solutions, Production of. C. W. Tod. 2,405,861; Aug. 13.
- Alginic acid compounds, Production of. G. E. Cunningham, N. H. Chamberlain, and J. B. Speakman. 2,403,707; July 9.
- Alicyclic ketonic compounds, Catalytic conversion of. S. A. Ballard and De L. E. Winkler. 2,413,598; Dec. 31.
- Aligner. Can. N. S. Sels. 2,392,509; Jan. 8.
- Aligning and detent means for quick disconnect couplings. J. R. Snyder and J. P. Norton. 2,403,620; July 9.
- Aligning bar. D. S. Grubbs. 2,411,621; Nov. 26.
- Aligning device for tools. R. O. Nemeyer. 2,407,845; Sept. 17.
- Alignment tool. W. M. Pierce. 2,404,456; July 23.
- Aliphatic oxynitriles. E. L. Carpenter. 2,404,164; July 16.
- Aliphatic polycarboxylic amino acids and making them. F. C. Bersworth. 2,407,645; Sept. 17.
- Alkali cellulose, Method and apparatus for production of. J. R. Schmitz, Jr. 2,392,269; Jan. 1.
- Alkali derivatives of para aminomethyl benzoic acid. 2,409,122; Oct. 22.
- Alkali halide screen, and manufacture. H. W. Leverenz. 2,409,606; Oct. 15.
- Alkalihydroxides and apparatus for carrying out reaction. Manufacture of. G. E. Edwards. 2,392,235-6; Jan. 1.
- Alkali metal oxides, Producing. C. B. Jackson. 2,405,580; Aug. 13.
- Alkali metal sulphates. Purification of. A. Hirsch. 2,392,669; Jan. 8.
- Alkali-soluble methyl cellulose, Preparing. A. T. Maasberg. 2,408,326; Sept. 24.
- Alkali solution, Purifying caustic. C. A. Cummins. 2,403,789; July 9.
- Alkaline-earth-metal salt of sulphadiazine, Preparation of. W. A. Lott. 2,396,711; Mar. 19.
- Alkamido cellulose ethers and making same. J. B. Rust and W. H. Van Delden. 2,399,603; Apr. 30.
- Alkamine derivatives of para aminomethyl benzoic acid. R. P. Parker and A. J. Hill. 2,406,627; Aug. 27.
- Alkanes, Production of branched chain. E. W. M. Fawcett. 2,407,637; Sept. 17.
- Alkenylation process. W. N. Axe. 2,403,963; July 16.
- Alkenylcyclohexenes, Dehydrogenation of. C. W. Watson. 2,392,960; Jan. 15.
- Alkenylcyclopropanes, Production of. C. R. Wagner. 2,393,132; Jan. 15.
- Alkoxy acetals, Making. C. Bordenca and C. J. B. Thor. 2,409,015; Oct. 8.
- Alkoxy propionyl compounds, Preparing. N. V. Seeger. 2,393,000; Jan. 15.
- Alkyl resins, Modification of. L. Auer. 2,410,418; Nov. 5.
- Alkyl aromatic compounds. L. H. Flett. 2,393,526; Jan. 22.
- Alkyl bromides, Production of. W. Hirschkind. 2,404,800; July 30.
- Alkyl cyclic compound, Dealkylation of. W. J. Mattox. 2,411,799; Nov. 26.
- Alkyl esters and their salts, Basic. F. F. Blicke. 2,410,040; Oct. 29.
- Alkyl esters of higher fatty acids, Producing. F. H. Gayer and C. E. Fawkes. 2,411,536; Nov. 26.
- Alkyl ethers of vitamin D. N. A. Milas. 2,410,893; Nov. 12.
- Alkyl mercaptans, Production of. J. E. Beanblossom and R. H. Kimball. 2,404,425; July 23.
- Alkyl mercapto substituted amino benzoic acid alkamine amides, salts intermediates and preparing same. J. J. Donleavy. 2,410,431; Nov. 5.

- Alkyl radicals to organic compounds, Addition of. W. E. Vaughan and F. F. Roust. 2,396,217; Mar. 5.
- Alkyl resins, Modified. J. H. Perrine and H. L. Johnson. 2,407,766; Sept. 17.
- Alkyl silicon chlorides and their preparation. J. F. Hyde. 2,413,050; Dec. 24.
- Alkyls, Making lead. S. D. Heron. 2,407,551; Sept. 10.
- Alkylaminoalkaneethiols, Preparation of. M. W. Farlow. 2,401,234; May 28.
- Alkylated aromatic compounds, Manufacture of. L. Schmerling and V. N. Ipatieff. 2,410,553; Nov. 5.
- Alkylated cyclic hydrocarbons, Preparation of. C. M. Thacker and R. T. Bell. 2,409,080; Oct. 8.
- Alkylation. E. L. D'Ouville and B. H. Shoemaker. 2,398,495; Apr. 16.
- Alkylation. C. Ellis. 2,393,152; Jan. 15.
- Alkylation. A. W. Francis and E. E. Reid. 2,397,542; Apr. 2.
- Alkylation. M. H. Gorin. 2,401,925; June 11.
- Alkylation. R. A. Kinnear, H. E. Chamberlain, J. F. McMane, G. T. Falls, and J. C. Gordon. 2,394,696; Feb. 12.
- Alkylation. J. R. Meadow. 2,403,013; July 2.
- Alkylation. A. N. Sachanen, A. O. K'elly, and C. G. Myers. 2,410,108; Oct. 29.
- Alkylation and olefin recovery process. W. A. Schulze. 2,395,198; Feb. 19.
- Alkylation method. E. C. Britton and J. C. Vander. 2,403,785; July 9.
- Alkylation of benzene. F. E. Frey. 2,394,905; Feb. 12.
- Alkylation of hydrocarbons. L. A. Clarke. 2,394,368; Feb. 5.
- Alkylation of isobutane with propylene. A. W. Horton, J. W. Brooks, and A. O. K'elly. 2,410,072; Oct. 29.
- Alkylation of isoparaffins with olefins. S. H. McCallister, J. Anderson, and W. E. Ross. 2,399,240; Apr. 30.
- Alkylation process. A. J. Abrams and C. S. Kuhn, Jr. 2,392,962; Jan. 15.
- Alkylation process. W. N. Axe. 2,404,897; July 30.
- Alkylation process. H. T. Hepp. 2,410,498; Nov. 5.
- Alkylation process. J. P. Jones. 2,399,353; Apr. 30.
- Alkylation process. C. S. Kuhn, Jr. 2,403,930; July 16.
- Alkylation process. J. R. Meadow. 2,408,329; Sept. 24.
- Alkylation process. K. Opryshek and J. N. Chatfield. 2,400,367; May 14.
- Alkylation process. C. R. Ringham. 2,409,389; Oct. 15.
- Alkylation process. A. N. Sachanen, A. O. K'elly, and C. G. Myers. 2,410,107; Oct. 29.
- Alkylation process. W. A. Schulze and J. P. Lyon, Jr. 2,392,199; Feb. 19.
- Alkylation process. W. A. Stover. 2,407,554; Sept. 10.
- Alkylation process. W. A. Stover. 2,407,585; Sept. 10.
- Alkylation process and catalyst therefor. W. A. Schulze and W. N. Axe. 2,401,884; June 11.
- Alkylation process and products produced thereby. L. A. Clarke. 2,409,501; July 9.
- Alkylation reagent and alkylation process. Production of. P. L. Veltman and L. W. Devaney. 2,404,607; July 23.
- Alkylbenzene, Production of. D. R. Carmody and H. E. Huber. 2,396,053; Mar. 19.
- Alkylene-bis-ureas. W. R. Boon. 2,409,829; Oct. 22.
- Alkylolamides, Purifying of. H. H. Young and D. Rubinstein. 2,412,113; Dec. 3.
- All purpose utility pencil case. V. P. Amoth. 2,412,938; Dec. 24.
- Alloy: See—
- Austenitic chromium-nickel-iron alloy. Heat-resistant alloy.
- Deep-drawing magnesium-base alloy. Lead alloy.
- Flint alloy. Strong, machinable, heat-resistant alloy.
- Alloy. W. E. McKibben. 2,395,285; Feb. 19.
- Alloy. C. C. Misfeldt. 2,400,566; May 21.
- Alloy. J. L. Rodda. 2,408,341-2; Sept. 24.
- Alloy for high temperature use, Machineable. N. G. Rehnqvist. 2,409,797; Oct. 22.
- Alloy for use at elevated temperatures, High strength. R. H. Thielemann. 2,398,678; Apr. 16.
- Alloy steels and articles of manufacture produced therefrom. Beryllium copper. E. G. Touceda and R. P. De Vries. 2,397,222; Mar. 26.
- Alloyed iron rolls, Producing. A. P. Gagnebin and E. M. Huber. 2,399,730; May 7.
- Alloys. E. J. Boyle and E. A. Anderson. 2,400,283; May 14.
- Alloys and method, Corrosion-resistant high-strength. P. P. Zeigler and L. E. Householder. 2,403,037; July 2.
- Alloys consisting of silver, manganese, and aluminum, Making permanent magnet. G. Howe. 2,399,051; Apr. 23.
- Alloys consisting of silver, manganese and aluminum, Process for making permanent magnet. G. Howe. 2,399,032; Apr. 23.
- Alloy containing cobalt, Heat-resisting. G. Mohling. 2,397,034; Mar. 19.
- Alloys, Copper base. J. Sykes. 2,405,531; Aug. 6.
- Alloys, Electrode. E. G. Widell. 2,396,977; Mar. 19.
- Alloys, Electrodeposition of thin. S. W. Baier. 2,397,522; May 2.
- Alloys, Hard. R. B. McCauley. 2,402,424; June 18.
- Alloys, Heat resistant. H. Scott and R. B. Gordon. 2,403,128; July 2.
- Alloys, Increasing the high temperature strength of heat-resisting. G. Mohling. 2,401,580; June 4.
- Alloys, Inhibiting blistering in heat-treating aluminum. C. Bencke. 2,400,804; May 21.
- Alloys, Producing castings of aluminum-beryllium. H. S. Conner. 2,399,104; Apr. 23.
- Alloys, Zinc base. E. S. Bunn. 2,392,641-3; Jan. 8.
- Alloys, Zinc base. E. S. Bunn. 2,397,723; Apr. 2.
- Alloys, Zinc base. E. S. Bunn. 2,401,135-6; May 28.
- Alloys, Zinc base. E. S. Bunn. 2,403,337; July 2.
- Allyl and methylallyl ether esters, Preparing. G. F. D'Alelio. 2,406,590; Aug. 27.
- Allyl chloride, Production of. W. Flemming and G. Stein. 2,410,647; Nov. 5.
- Allyl acetates, Removal of. W. C. Asbury and M. W. Swaney. 2,401,896; June 11.
- α -amino acids and N-substituted- α -amino acids, Preparing. J. H. Billman. 2,394,230; Feb. 5.
- α -amino- α -alkoxybutyric acids and preparing the same. Q. P. Cole and R. O. Roblin. 2,407,263; Sept. 3.
- α,β -diaryl ethanes, Preparing. M. S. Kharasch. 2,392,595; Jan. 8.
- Alpha-chloro, beta-hydroxynitriles, Production of. K. H. W. Tuerck and H. J. Lichtenstein. 2,394,644; Feb. 12.
- Alphahydroxy carboxylic acids, Preparation of. J. Blum. 2,405,873; Aug. 13.
- Alpha- (meta-hydroxyphenyl) -beta- methylaminoethanol para-aminobenzoate. M. Sahyun and J. A. Faust. 2,413,656; Dec. 31.
- Alpha-naphthoquinones, Production of. J. Hyman and C. E. Peters. 2,402,226; June 18.
- Alpha-ray emission device and making the same. I. Feuer and L. Goldstein. 2,405,026; July 30.
- Alpha-substituted side-chain ketones of the cyclopentanopolycyclohexanethrene series. T. Reichstein. 2,404,568; July 23.
- Alpha-substituted side-chain ketones of the cyclopentanopolycyclohexanethrene series and making the same. T. Reichstein. 2,401,775; June 11.
- Alternate current motor. R. Lee. 2,403,447; July 9.
- Alternating current wind drive. K. Mahnk. 2,393,998; Feb. 5.
- Altimeter. P. F. Shivers. 2,398,470; Apr. 16.
- Altimeter. P. F. Shivers. 2,412,541; Dec. 10.
- Altimeter. W. Springer. 2,398,055; Apr. 9.
- Altitude, Absolute. C. A. Donaldson. 2,408,414; Oct. 1.
- Altitude correction computer. G. H. Purcell. 2,394,563; Feb. 12.
- Altitude determination. L. de Forest. 2,410,868; Nov. 12.
- Alum. Calcining. S. B. Tuwiner and W. H. Osborn. 2,392,471; Jan. 8.
- Alumin. and preparations thereof, Stabilized. W. A. Bailey, Jr., and C. W. Bittner. 2,398,610; Apr. 16.
- Alumina, Production of. C. K. Hitchon and J. D. Pennell, Jr. 2,405,426; Aug. 6.
- Alumina, Purification of. A. H. Riesmeyer and W. H. Gitzen. 2,411,806; Nov. 26.
- Aluminum alloys for heat treatment, Preparing. V. E. Peterson. 2,409,384; Oct. 15.
- Aluminum articles, Treatment of oxide coated. E. V. Blackmun. 2,407,809; Sept. 17.
- Aluminum base alloy containing copper and beryllium, and making the same. R. H. Harrington. 2,394,546; Feb. 12.
- Aluminum chloride catalyst, Preparing. G. R. Reading. 2,398,557; Apr. 16.
- Aluminum chloride conversion system. A. P. Lien and E. L. d'Ouville. 2,410,886; Nov. 12.
- Aluminum chloride, Production of basic. E. H. Kastning. 2,392,153; Jan. 1.
- Aluminum, Cleaning. N. Goldowski. 2,409,271; Oct. 15.
- Aluminum compounds, Production of water-soluble basic. W. Huch and W. Haufe. 2,392,531; Jan. 8.
- Aluminum halide hydrocarbon conversion system. M. Sutton and C. W. Nysewander. 2,395,022; Feb. 19.
- Aluminum hydrate, Purification of. V. M. Stowe. 2,405,275; Aug. 6.
- Aluminum, Joining. M. A. Miller. 2,403,110; July 2.
- Aluminum ore, Sulphating. R. L. Brown. 2,394,660; Feb. 12.
- Aluminum, Production of. D. Gardner. 2,400,000; May 7.
- Aluminum, Production of. L. C. Sturbelle. 2,408,241; Sept. 24.
- Aluminum sulphate, Purification of. P. S. Roller. 2,402,668; June 25.
- Aluminum treating composition. B. B. Button, Jr., and J. Janota, Jr. 2,398,078; Apr. 9.
- Alumina ores and the like, Treating. R. C. Haff. 2,398,425; Apr. 16.
- Amides, Homologous. J. H. Perrine. 2,394,871; Feb. 12.
- Amides of 2-aminoarylenethiazoles. E. Henzi. 2,399,026; Apr. 23.
- Amidine salts, Soluble. G. Newbury and A. P. T. Easson. 2,410,706; Nov. 5.
- Amine compounds, Sugar. I. Gubelmann. 2,396,097; Mar. 5.
- Amine reaction mixtures, Purification of. J. F. Olin. 2,411,802; Nov. 26.
- Amine resins and obtaining the same, Synthetic fusible. C. D. Kelso and C. E. Adams. 2,411,142; Nov. 19.
- Amines and making same, Unsaturated. M. S. Kharasch and C. F. Fuchs. 2,409,287; Oct. 15.

- Amines and purification thereof. R. G. Jones. 2,400,934; Apr. 30.
- Amines, Manufacture of. R. H. Goshorn. 2,394,515-16; Feb. 5.
- Amines, Manufacturing aromatic. J. J. Owen. 2,402,440; June 18.
- Amines, Preparation of aliphatic. J. B. Dickey and J. G. McNally. 2,412,209; Dec. 10.
- Amines, Production of primary. L. A. Stegemeyer. 2,408,959; Oct. 8.
- Amines, Stabilized aromatic. E. L. Walters. 2,411,307; Nov. 19.
- Amino acid syntheses, Preparation of intermediates useful for. E. F. Tullar. 2,393,723; Jan. 29.
- Amino acids from their salts, Preparation of. M. S. Kharasch and C. F. Fuchs. 2,404,503; July 23.
- Amino alcohols and preparing the same. K. Miesche and A. Marxer. 2,411,664; Nov. 26.
- Aminoalcohols of arylacetic acids. J. S. Pierce. 2,399,506; Apr. 30.
- Amino amide compounds. S. Kaplan. 2,407,703; Sept. 17.
- Aminoanthraquinone derivatives. P. Grossmann. 2,392,663; Jan. 8.
- Amino-carboxylic acid esters of monoglycerides. B. R. Harris. 2,406,329; Aug. 27.
- Amino esters of diaryl succinic acids. K. G. Pleger and A. J. Hill. 2,410,791; Nov. 5.
- Amino ethers. C. W. MacMullen and H. A. Bruson. 2,395,336; Feb. 19.
- Amino-ethers and their manufacture. H. Martin, F. Hafiger, K. Gatzl, and A. Grob. 2,397,799; Apr. 2.
- Amino group into aromatic compounds, Introducing an. J. Puras. 2,401,525; June 4.
- Amino heterocycles, Preparing dry. V. L. King. 2,392,156; Jan. 1.
- Aminomethyl amidothiazoles. L. H. Bock, H. C. E. Johnson, and L. J. Armstrong. 2,409,828; Oct. 22.
- Aminophthalimides. H. T. Lacey and R. E. Brouillard. 2,412,817; Dec. 17.
- Aminopyrazine, Preparation of. M. L. Crossley and J. P. English. 2,394,963; Feb. 12.
- Aminotriazine-formaldehyde condensation products and making same. G. Widmer. 2,398,569; Apr. 16.
- Ammonium nitrate composition, Free-flowing. C. H. Cordie and R. W. Lawrence. 2,399,987; May 7.
- Ammonium nitrate explosive. J. Barab. 2,398,071; Apr. 9.
- Ammonium nitrate explosive, Granular. C. D. Bitting. 2,395,367; Feb. 19.
- Ammonium nitrate, Production of. L. Williams, L. F. Wright, and R. Hendricks. 2,402,192; June 18.
- Ammonium nitrophenates, Quaternary. L. H. Bock and A. L. Houk. 2,395,989; Mar. 5.
- Ammonium thiosulfate. H. V. Farr and J. R. Ruhoff. 2,412,607; Dec. 17.
- Ammunition. C. de Ganahl. 2,408,252; Sept. 24.
- Ammunition. W. J. Lowes. 2,409,945; Oct. 22.
- Ammunition. N. A. Meador. 2,402,068; June 11.
- Ammunition. W. H. Smith. 2,399,398; Apr. 30.
- Ammunition boxes, Multiple. C. G. Trimbach. 2,398,263; Apr. 9.
- Ammunition feed box. E. H. Irasek. 2,401,762; June 11.
- Amphibian. J. M. Hait. 2,404,489; July 23.
- Amphibian. J. M. Hait. 2,404,492; July 23.
- Amphibian. J. M. Hait. 2,406,288-90; Aug. 20.
- Amphibian. J. M. Hait, P. S. Devirian, and D. R. Rankin. 2,404,493; July 23.
- Amphibian aircraft landing gear. J. S. Pecker. 2,394,472; Feb. 5.
- Amphibian landing device. H. Darby and D. Dahlin. 2,393,296; Jan. 22.
- Amphibian propulsion mechanism. J. M. Hait. 2,393,368; Jan. 22.
- Amphibian propulsion mechanism. J. M. Hait. 2,397,104; Mar. 26.
- Amphibian steering mechanism. J. M. Hait. 2,408,928; Oct. 8.
- Amphibian vehicle. E. Porter. 2,400,132; May 14.
- Amphibious vehicle. C. F. Kramer and F. G. Kerby. 2,397,791; Apr. 2.
- Amplifier and modifier, Electronic. R. G. Rowe. 2,406,565; Aug. 27.
- Amplifier circuit. J. B. Crawley. 2,400,919; May 28.
- Amplifier, Coupling. H. G. Busignies. 2,411,517; Nov. 26.
- Amplifier, Direct coupled. J. R. Beckwith. 2,400,734; May 21.
- Amplifier, Electron beam. A. L. Samuel. 2,405,611; Aug. 13.
- Amplifier for pulses. T. T. Eaton and D. G. C. Luck. 2,401,416; June 4.
- Amplifier, Mechanical torque. G. L. Borell. 2,412,386; Dec. 10.
- Amplifier, Neutralized radio-frequency. W. E. Phillips. 2,404,188; July 16.
- Amplifier of electromagnetic energy. M. M. Levy. 2,412,995; Dec. 24.
- Amplifier, Shaped. J. R. Roykin. 2,411,362; Nov. 19.
- Amplifier, Summing. K. D. Swartzel, Jr. 2,401,779; June 11.
- Amplifier system, Balance. R. P. Krebs. 2,399,441; Apr. 30.
- Amplifier system, Balanced. W. Soller. 2,392,415; Jan. 8.
- Amplifier, Television signal. M. Cawein. 2,405,290; Aug. 6.
- Amplifier, Television signal. J. D. Schantz. 2,396,023; Mar. 5.
- Amplifier, Thermionic feed-back. A. H. Roche and H. G. Kidner. 2,397,625; Apr. 2.
- Amplifier, Torque. W. E. Swift, Jr. Re. 22,779; Aug. 13.
- Amplifier, Torque. W. R. Tucker and G. A. Waidie. 2,395,979; Mar. 5.
- Amplifier, Variable gain. D. J. Miller, Jr. 2,412,279; Dec. 10.
- Amplifier, Wide band. W. E. Bradley. 2,398,691; Apr. 16.
- Amplifiers, Distortion reduction of modulated. H. Romander. 2,393,709; Jan. 29.
- Amplifying apparatus, High frequency. R. V. L. Hartley. 2,408,423; Oct. 1.
- Amplifying apparatus, Sound. A. J. Sanial. 2,411,004; Nov. 12.
- Amplifying device, Voice. A. L. Patterson. 2,402,341; June 18.
- Amplifying system. O. H. Schade. 2,404,099; July 16.
- Amplitude-modulation and frequency-modulation receiver stage, Combined. J. W. Huff. 2,408,644; Oct. 1.
- Amplifier-syringe. A. Sack. 2,404,316; July 16.
- Amples, Novel method of sealing and testing. R. L. Wells. 2,396,728; Mar. 19.
- Amusement air ride apparatus, Novelty. J. Psalla. 2,412,060; Dec. 3.
- Amusement apparatus. R. B. Franklin. 2,405,495; Aug. 26.
- Amusement apparatus. H. F. Maynes. 2,395,678; Feb. 26.
- Amusement apparatus. J. H. McMahon and A. W. Miller. Re. 22,706; Jan. 8.
- Amusement apparatus. J. H. McMahon and A. W. Miller. Re. 22,707; Jan. 15.
- Amusement apparatus. E. H. Ridener. 2,402,843; June 25.
- Amusement apparatus. C. A. Solinski. 2,393,004; Jan. 15.
- Amusement apparatus. W. A. Tratsch. 2,396,762; Mar. 19.
- Amusement apparatus. W. A. Tratsch. 2,406,481; Aug. 27.
- Amusement device. H. A. Cruver. 2,395,398; Feb. 26.
- Amusement device. R. B. W. Franklin. 2,403,593; July 9.
- Amusement device. E. C. Hall. 2,397,857; Apr. 2.
- Amusement device. R. M. Winnick. 2,402,861; June 25.
- Amusement ride. J. D'Errico. 2,399,332; Apr. 30.
- Amylaceous derivatives. H. F. and J. V. Bauer and D. M. Hawley. 2,396,937; Mar. 19.
- Analysis and representation of complex waves. W. Koenig, Jr. 2,403,982; July 16.
- Analytical system. R. C. Lawlor. 2,400,557; May 21.
- Analyzer, Business management. J. C. Hayes. 2,393,162; Jan. 15.
- Analyzing motion or other phenomena, Method and apparatus for. R. Mestaw. 2,397,032; Mar. 19.
- Anchor. J. S. Norton. 2,402,202; June 18.
- Anchor. C. R. Pieper. 2,394,403; Feb. 5.
- Anchor. W. J. Washam. 2,404,151; July 16.
- Anchor. W. H. Wood, Jr. 2,413,596; Dec. 31.
- Anchor and stabilizer for boats, Combined sea. A. J. Harris. 2,409,040; Oct. 8.
- Anchor, Bolt. E. K. Skinner. 2,399,069; Apr. 23.
- Anchor, Collet stop. V. Grey. 2,396,504; Mar. 12.
- Anchor, Expansion earth. C. R. Pieper. 2,403,150; July 2.
- Anchor extension means. J. E. Anderson and C. W. Dunlap. 2,413,425; Dec. 31.
- Anchor for gratings. W. A. Bates. 2,403,842; July 9.
- Anchor, Gas. E. V. Watts. 2,398,339; Apr. 9.
- Anchor, Nail or dowel pin. J. J. Schutten. 2,404,928; July 30.
- Anchor, Packer. W. L. Church. 2,404,692; July 23.
- Anchor, Rail. E. A. Skowron and W. H. Woodings. 2,413,470; Dec. 31.
- Anchorage. E. A. Black. 2,395,033; Feb. 19.
- Anchorage device for closures. M. Schwartz. 2,397,440; Mar. 26.
- Anchor for mines of the marine type, Antisweep. C. S. Allen, Jr. 2,399,307; Apr. 30.
- Anchoring bracket. C. J. Weller. 2,404,152; July 16.
- Anchoring device. J. H. Molat. 2,403,541; July 9.
- Anchoring for brushes. Tuft. C. Jobst. 2,409,490; Oct. 15.
- Angle determining device. F. H. Hagner. Re. 22,719; Feb. 12.
- Angle-measuring apparatus. E. Geissbuehler. 2,400,498; May 21.
- Angle-measuring device, Portable. F. H. Hagner. 2,403,919; July 16.
- Angle modulation noise squelching system. C. W. Hansell. 2,395,737; Feb. 26.
- Anhydrous caustic alkalis and preparing same. V. R. Kokatnur. 2,393,108; Jan. 15.

- Animal and vegetable materials, Manufacture and treatment of. C. Reid. 2,400,951; May 28.
- Animal fibers, Carrotting of. A. E. Hodshon and H. H. Tucker. 2,411,725; Nov. 26.
- Animal fibers to reduce their tendency to felt, Treatment of. J. F. Cowley. 2,395,724; Feb. 26.
- Animal trap. P. De Assis. 2,408,740; Oct. 8.
- Animal trap. J. G. Azar. 2,402,720; June 25.
- Animal trap. P. M. Barber. 2,408,593; Oct. 1.
- Animal trap. P. Mochan. 2,398,188; Apr. 9.
- Animal trap. W. E. Pettit. 2,396,472; Mar. 12.
- Animal trap. W. Prott. 2,404,744; July 23.
- Animal trap. W. J. Vincent and C. M. Stanton. 2,411,766; Nov. 26.
- Animal trap. G. B. Warren. 2,394,032; Feb. 5.
- Animals, Coat for. J. W. Priour. 2,400,781; May 21.
- Anion materials, Preparation and use of. J. C. Hesler. 2,395,825; Mar. 5.
- Appealing method. A. L. Billeter and M. C. King. 2,402,013; June 11.
- Announcing method and system. L. J. Anderson. 2,392,218; Jan. 1.
- Annunciator system. T. A. Kepp. 2,404,074; July 16.
- Anode. External. J. A. McCullough. 2,399,752; May 7.
- Anode for the electrolytic protection of closed containers. B. G. Brolinson. 2,405,776; Aug. 13.
- Anode structure, Composite. G. M. Dinnick and J. P. Quitter. 2,398,582; Apr. 16.
- Antenna. J. F. Atwood. 2,401,601; June 4.
- Antenna. G. H. Brown and D. W. Peterson. 2,412,249; Dec. 10.
- Antenna. L. J. Chu. 2,408,373; Oct. 1.
- Antenna. D. L. Hinds. 2,400,551; May 21.
- Antenna. N. E. Lindenblad. 2,400,867; May 21.
- Antenna. W. van B. Roberts. 2,404,093; July 16.
- Antenna and prism, Pipe. W. P. Mason. 2,408,435; Oct. 1.
- Antenna, Broadcast. P. S. Carter. 2,403,909; July 16.
- Antenna construction, Loop. W. P. Lear. 2,403,093; July 2.
- Antenna coupling. W. Silver. 2,405,616; Aug. 13.
- Antenna, Directive. H. G. Buisignies. 2,407,250; Sept. 10.
- Antenna, Directive. A. G. Kandolan. 2,402,635; June 25.
- Antenna, Direction finder. D. Bellare. 2,408,034; Sept. 24.
- Antenna, Microwave. A. C. Beck. 2,409,183; Oct. 15.
- Antenna, Microwave directive. C. B. H. Feldman and G. E. Mueller. 2,411,872; Dec. 3.
- Antenna mounting. H. A. Bryers. 2,403,479; July 9.
- Antenna, Shielded loop. M. Fuels. 2,393,981; Feb. 5.
- Antenna switching system. W. D. Hersherberg. 2,410,657; Nov. 5.
- Antenna system. G. H. Brown. 2,397,645; Apr. 2.
- Antenna system. G. H. Brown. 2,400,736; May 21.
- Antenna system. G. H. Brown and D. W. Peterson. 2,410,597; Nov. 5.
- Antenna system. P. S. Carter. 2,407,057; Sept. 3.
- Antenna system. P. S. Carter. 2,412,320; Dec. 10.
- Antenna system. G. W. Fyler. 2,405,123; Aug. 6.
- Antenna system. L. J. Heaton-Armstrong. 2,397,261; Mar. 26.
- Antenna system. A. J. Maddock. 2,400,937; May 28.
- Antenna system. A. A. Slobod. 2,411,472; Nov. 19.
- Antenna system. J. W. Tilly. 2,413,085; Dec. 24.
- Antenna system, Directional. P. H. Kreaeger. 2,394,787; Feb. 12.
- Antenna system, Directional. W. J. Polydoroff. 2,399,382; Apr. 30.
- Antenna system, Directive. E. Bruce. 2,405,992; Aug. 20.
- Antenna system, Sectional parabolic. De W. R. Goddard. 2,413,558; Dec. 31.
- Antenna, Turnstile. P. J. Kihler. 2,412,090; Dec. 3.
- Anthelmintic. W. R. and H. A. Jones. 2,399,597; Apr. 30.
- Anthraquinone compounds. E. B. Towne, J. B. Dickey, and J. R. Bray, Jr. 2,398,454; Apr. 16.
- Anthraquinone dyestuffs. J. B. Dickey and J. G. McNally. 2,411,148; Nov. 19.
- Anthraquinone, Production of. P. D. Caesar and A. N. Sachanen. 2,401,225; May 28.
- Antiaircraft fire control apparatus. E. von Segebaden and R. Österdahl. 2,394,827; Feb. 12.
- Antibumping device. G. L. Doelling. 2,407,226; Sept. 10.
- Anticorrosion composition. P. W. Fischer and V. N. Jenkins. 2,403,067; July 2.
- Anticorrosion composition. J. J. Miskel. 2,403,293; July 2.
- Anticorrosion plug. M. E. Chandler. 2,408,993; Sept. 3.
- Anticorrosion plug. H. A. Lockwood. 2,407,023; Sept. 3.
- Anticorrosive. E. W. Zublin, E. R. White, and E. R. Barnum. 2,398,202; Apr. 9.
- Antidetonation apparatus for automotive engines. L. D. Golden and J. K. Greer. 2,408,846; Oct. 8.
- Antidrifter and vibration device for fan and propeller blades. F. R. Dent, Jr. 2,397,132; Mar. 26.
- Antifouling composition. G. H. Young. 2,398,069; Apr. 9.
- Antifriction bearing. W. Bauersfeld. 2,399,847; May 7.
- Antifriction bearing having fluid passages. R. C. Braithwaite. 2,399,539; Apr. 30.
- Antifriction drive. F. M. Slavic. 2,403,096; July 2.
- Antifriction drive wheel. W. C. Cox. 2,413,099; Dec. 24.
- Antifriction mechanism. S. E. Werner. 2,398,065; Apr. 9.
- Antihemorrhagic esters and producing the same. L. F. Fieser. 2,407,823; Sept. 17.
- Antisketch agent. E. Bartholomew. 2,398,281-2; Apr. 9.
- Antimony pentfluoride, Preparing. M. A. Perkins and C. F. Irwin. 2,410,358; Oct. 29.
- Antioxidants. L. H. Howland and P. T. Paul. Re. 22,808; Nov. 5.
- Antioxidants, Natural. L. O. Buxton. 2,396,680; Mar. 19.
- Antioxidants, Producing natural. L. O. Buxton. 2,396,681; Mar. 19.
- Antiperspirant preparation. E. L. Richardson and K. L. Russell. 2,412,535; Dec. 10.
- Antipicking device. H. B. Litton. 2,398,316; Apr. 9.
- Antipressor and making. H. M. Rabinowitz. 2,392,878; Jan. 15.
- Antirachitic material, Producing. L. F. Borchardt. 2,408,908; Oct. 8.
- Antirooter. W. J. Roberts. 2,400,600; May 21.
- Antiseptic ice. L. Frandsen. 2,398,781; Apr. 23.
- Antisiphon ball cock valve. J. C. Owens. 2,409,890; Oct. 22.
- Antisiphoning refill tube. B. Svirsky. Re. 22,727; Feb. 26.
- Antiskid chain. G. O. Coates. 2,406,995; Sept. 3.
- Antiskid tread. C. R. MacCallum. 2,403,812; July 9.
- Antistatic composition. J. Kalnitsky. 2,399,938; May 7.
- Antistatic composition. C. S. Myers. 2,393,863; Jan. 29.
- Antisweat composition. F. E. Trent. 2,393,874; Jan. 29.
- Antitank mine clearing device. B. Walker. 2,397,994; Apr. 9.
- Axyl and magnetic clamp, Combination. J. A. Denton. 2,393,300; Jan. 22.
- Aperture for electron image devices, Limiting. J. Hillier. 2,410,658; Nov. 5.
- Aperture objective, Large. W. Schade. 2,397,565; Apr. 2.
- Apparatus. D. L. Webb. 2,392,349; Jan. 8.
- Apparatus and method of controlling paired operations, particularly for making slide fasteners. O. Firing. 2,395,473; Feb. 26.
- Apparatus and process for producing fog or smoke. K. C. D. Hickman. 2,402,402; June 18.
- Apparatus for absorbing shock loads. R. O. Anderson. M. E. Landry, and W. F. Ardussi. 2,396,071; Mar. 5.
- Apparatus for aiming guns. I. W. Doyle and H. E. Hale. 2,399,726; May 7.
- Apparatus for air and water craft, Control. F. W. Mering. 2,400,701; May 21.
- Apparatus for aircraft, Air-conditioning. L. A. Williams, Jr. 2,412,110; Dec. 3.
- Apparatus for analysis of gas. H. W. Dietert. 2,397,845-6; Apr. 2.
- Apparatus for analyzing hydrocarbons. H. E. Metcalf. 2,393,650; Jan. 29.
- Apparatus for analyzing rotational unbalances. E. L. Kent. 2,405,430; Aug. 6.
- Apparatus for and method of folding and stitching neckties. J. F. Baker and A. E. La Mora. 2,397,081; Mar. 26.
- Apparatus for and method of pulse keying. I. Wolff. 2,401,807; June 11.
- Apparatus for applying coatings to web material. H. R. Harrison. 2,393,529; Jan. 22.
- Apparatus for applying liquid treating medium to tenuous articles. H. R. Graham. 2,393,678; Jan. 29.
- Apparatus for applying plastic coatings to flexible strips and the like. H. A. Cook, Jr. 2,401,551; June 4.
- Apparatus for applying rotating bands to projectile shells. A. Minarik, Jr., and S. H. R. Ericson. 2,406,392; Aug. 27.
- Apparatus for applying tread material to tire casings. M. V. Arnold and J. W. Napier. 2,407,806; Sept. 17.
- Apparatus for applying treating liquid to fibers. H. L. Slevier. 2,405,857; Aug. 13.
- Apparatus for applying treating mediums. G. Ornstein. 2,404,012; May 28.
- Apparatus for arc welding. W. C. Huguley. 2,405,828; Aug. 13.
- Apparatus for arc welding. L. K. Stringham. 2,402,937; June 25.
- Apparatus for assembling articles. L. A. Bartelheim and E. C. Neuhaus. 2,394,837; Feb. 12.
- Apparatus for assembling articles. G. D. Lea and C. L. Pfeiffer. 2,410,665; Nov. 5.
- Apparatus for assembling centrifugal impellers. A. J. Eben and V. H. Pavlecka. 2,402,204; June 18.
- Apparatus for assembling fins and the like. R. C. Stutz. 2,403,466; July 9.
- Apparatus for blowing oil wells. J. B. Hawley. 2,395,119; Feb. 19.
- Apparatus for breaking foam. L. E. Gates. 2,403,138; Aug. 6.
- Apparatus for brewing coffee. J. McMenamin. 2,405,751; Aug. 13.
- Apparatus for burners, Fluid supply. W. H. DeLancey. 2,404,477; Oct. 15.
- Apparatus for burning off glassware. C. W. Schreiber. 2,402,452; June 18.
- Apparatus for carbonating liquids. R. Muehlhofer. 2,408,439; Oct. 1.

- Apparatus for casting annular articles. F. G. Carrington. 2,412,601; Dec. 17.
- Apparatus for catalytic operations. J. A. S. Hammond. 2,404,574; July 23.
- Apparatus for cement-attaching soles to shoes. R. M. Royal. 2,398,040; Apr. 9.
- Apparatus for centering shanks in casting diamond bits. M. L. Turner. 2,412,766; Dec. 17.
- Apparatus for clarifying and purifying liquids. H. C. Parker and P. D. Prager. 2,411,386; Nov. 19.
- Apparatus for cleaning air. J. E. Watson, L. C. Whitton, and C. B. McBride. 2,405,624; Aug. 13.
- Apparatus for cleaning eggs and the like. C. H. Inman. 2,408,648; Oct. 1.
- Apparatus for cleaning of flue gases. T. C. Bieth. 2,404,347; July 23.
- Apparatus for cleaning pipe and the like. O. R. Smith. 2,412,758; Dec. 17.
- Apparatus for cleaning pipes and tubing. J. P. Ratigan. 2,402,348; June 18.
- Apparatus for cleaning strip metal. G. M. Croft. 2,395,397; Feb. 26.
- Apparatus for cleaning wells. W. P. Orr. 2,397,199; Mar. 26.
- Apparatus for closing bags. C. H. Hartman, E. A. Marsh, and N. E. Dorrington. 2,396,262; Mar. 12.
- Apparatus for coating machines. Control. T. A. Cohen. 2,392,229; Jan. 1.
- Apparatus for coating material in strand form. W. W. Rea and J. E. Wiltrakis. 2,397,622; Apr. 2.
- Apparatus for coating paper. G. D. Muggleton and A. F. Piepenberg. 2,398,848; Apr. 23.
- Apparatus for coating wire. H. J. Kauth. 2,394,066; Feb. 5.
- Apparatus for combination games. R. Urban. 2,394,218; Feb. 5.
- Apparatus for communication systems. R. H. Brown. 2,394,145; Feb. 5.
- Apparatus for communication systems. R. H. Brown. 2,404,773; July 30.
- Apparatus for comparing pressures. H. W. Gillfillan. 2,407,925; Sept. 17.
- Apparatus for concentrating sulphuric acid and other liquids. L. Bailly. 2,392,219; Jan. 1.
- Apparatus for conditioning material. E. J. Cogovan. 2,401,412; June 4.
- Apparatus for conditioning molten glass. W. F. Brown. 2,394,893; Feb. 12.
- Apparatus for conditioning packages of yarn, etc. V. Woolley. 2,402,521; June 18.
- Apparatus for constructing picker rolls. P. Schultze. 2,392,778; Jan. 8.
- Apparatus for constructing picker rolls. P. Schultze. 2,392,777; Jan. 8.
- Apparatus for continuously predicting a trend in observed data. H. Ziebolz. 2,398,587; Apr. 23.
- Apparatus for continuous clarification. J. R. Osuna. Re. 22,814; Dec. 3.
- Apparatus for continuously processing metal strips. F. W. Lorig, L. L. Miller, and F. E. Robinson. 2,409,770; Oct. 22.
- Apparatus for contouring the ends of tubular stock. J. S. McGuire. 2,409,375; Oct. 15.
- Apparatus for controlling accelerating and deceleration in aircraft. R. H. Goddard. 2,396,321; Mar. 12.
- Apparatus for controlling electrical circuits. L. M. Plym. 2,396,385; Mar. 12.
- Apparatus for controlling power transmission systems. S. Hedgecock. 2,408,658; Oct. 1.
- Apparatus for controlling rotation. H. A. Satterlee. 2,406,855; Sept. 3.
- Apparatus for controlling rotation. H. A. Satterlee. 2,406,856; Sept. 3.
- Apparatus for controlling superchargers. D. M. Borden. 2,409,533; Oct. 15.
- Apparatus for controlling the flow of liquid into containers. R. B. McKinnis. 2,392,054; Jan. 1.
- Apparatus for controlling the power plants of aircraft. H. W. Gillman, D. M. Borden, and P. W. Wyckoff. 2,402,885; June 25.
- Apparatus for controlling the pressure of furnace gases. F. A. Corbin and H. F. Netzhammer. 2,394,595; Feb. 12.
- Apparatus for controlling the release of bombs from aircraft. E. S. Peterson. 2,396,197; Mar. 5.
- Apparatus for controlling the slide movement in long-bed hydraulic presses. E. Cannon. 2,405,640; Aug. 13.
- Apparatus for converting heat energy into useful work. H. Milliken. 2,404,395; July 23.
- Apparatus for converting tow to top. J. B. Rumsey. 2,410,307; Oct. 29.
- Apparatus for conveying material. C. S. Weyandt. 2,407,357; Sept. 10.
- Apparatus for cooling and hardening wax carbon coatings. N. S. Weik. 2,408,498; Oct. 1.
- Apparatus for cooling extruded plastics. F. G. Back. 2,399,422; Apr. 30.
- Apparatus for cooling molds. F. W. Stewart, A. J. Reek, and M. J. Kelly. 2,402,708; June 25.
- Apparatus for correcting differences in register. G. Spleiss. 2,404,756; July 23.
- Apparatus for cotton pickers. Cotton conveying. C. R. Hazen. 2,401,152; May 28.
- Apparatus for covering articles. T. K. Cox, A. N. Gray, and V. A. Rayburn. 2,393,023; Jan. 15.
- Apparatus for cracking nuts. W. F. Grupe. 2,405,303; Aug. 6.
- Apparatus for cultivating of plants. P. C. McLemore. 2,408,328; Sept. 24.
- Apparatus for cutting metal. C. Field. 2,399,219-20; Apr. 30.
- Apparatus for cutting metal. C. Field and G. C. Toole. 2,401,137; May 28.
- Apparatus for cutting metal along curved lines. J. F. Franzen. 2,403,514; July 9.
- Apparatus for cutting prisms. W. Owen and I. G. Peck. 2,408,530; Oct. 1.
- Apparatus for debarking timber. G. S. Witham. 2,400,725; May 21.
- Apparatus for decorticating fibers. C. J. Delegard and R. Kreutz. 2,412,445; Dec. 10.
- Apparatus for decrating gases. W. G. Howard. 2,410,163; Oct. 29.
- Apparatus for deforming thin diaphragms. J. Evans. 2,403,915; July 16.
- Apparatus for dehydrating liquid products. J. M. Hall. 2,400,458; May 13.
- Apparatus for delivering bars from cooling beds to live roll conveyers. H. Cramer. 2,392,523; Jan. 8.
- Apparatus for delivering elongated cylindrical articles. M. S. Gettig and H. E. Engelbaugh. 2,407,638; Sept. 17.
- Apparatus for detecting leaks. L. T. Pockman. 2,401,101; May 28.
- Apparatus for detecting small direct currents. J. R. Pattee. 2,405,059; July 30.
- Apparatus for detecting trends in observed data. H. Ziebolz. 2,398,988; Apr. 23.
- Apparatus for determining ballistic factors. H. C. Ford. 2,397,784; Apr. 2.
- Apparatus for determining geographic positions celestially. W. R. Barry. 2,407,467; Sept. 10.
- Apparatus for determining mold cavity pressure. E. J. Gibbons and T. M. O'Neill, Jr. 2,399,342; Apr. 30.
- Apparatus for determining the proficiency of code students. H. P. Clausen. 2,401,462; June 4.
- Apparatus for determining the roughness of surfaces. H. Shaw. 2,396,394; Mar. 12.
- Apparatus for determining weldability. J. Heuschkel. 2,406,076; Aug. 20.
- Apparatus for developing exposed photographic prints. A. L. Mayer. 2,404,138; July 16.
- Apparatus for developing light. H. W. Leverenz. 2,404,077; July 16.
- Apparatus for dialyzing. F. H. Reichel and A. O. Russell. 2,410,139; Nov. 19.
- Apparatus for die-forming sheet material. J. E. Conzelman, Jr. 2,409,254; Oct. 15.
- Apparatus for dipping tubes, bars, and the like. D. W. T. Evans. 2,410,028; Oct. 29.
- Apparatus for discharge lamps. Starting. H. L. Byerly. 2,392,282; Apr. 1.
- Apparatus for distillation. R. V. Kleinschmidt. 2,398,184; Apr. 9.
- Apparatus for distributing seed or powdered and like materials on the ground. A. W. Bean. 2,397,500; Apr. 2.
- Apparatus for distributing stock to the cylinder of paper machines. J. Edge. 2,399,546; Apr. 30.
- Apparatus for dividing or desurcining metal by use of oxidizing sets. S. S. Watts. 2,408,588; Oct. 1.
- Apparatus for drawing. A. Crossley. 2,404,218; July 16.
- Apparatus for drawing elongate glass shapes. H. H. Snyder. 2,402,924; June 25.
- Apparatus for drilling holes in cylindrical supports or the like. P. Schultze. 2,392,774; Jan. 8.
- Apparatus for drying fabrics. G. D. Blunk and H. E. Edwards. 2,403,630; July 9.
- Apparatus for drying materials. E. Mittelmann. 2,397,615; Apr. 2.
- Apparatus for drying striplike material. G. S. From. 2,402,545; June 25.
- Apparatus for echo distance measurement. E. E. Turner, Jr. 2,408,458; Oct. 1.
- Apparatus for echo distance measurement. E. E. Turner, Jr. 2,412,234; Dec. 10.
- Apparatus for effecting intimate contact between gases and liquids. F. C. Koch. 2,401,569; June 4.
- Apparatus for electric lighting fixtures, Raising and lowering. W. Wilson. 2,391,936; Jan. 1.
- Apparatus for electrical control. A. S. Riggs. 2,408,813; Oct. 8.
- Apparatus for electrical well logging. R. W. Stuart and D. Silverman. 2,398,868; Apr. 23.
- Apparatus for electrically heating and forming metal bodies. S. Westin. 2,397,717; Apr. 2.
- Apparatus for electrically resolving water-in-oil emulsions. P. H. Bruce. 2,400,975; May 28.
- Apparatus for electrolytic treatment. J. B. Nilcs. 2,398,110; Apr. 9.
- Apparatus for electroplating ball bearings. R. M. Wick. 2,397,177; Mar. 26.
- Apparatus for electroplating wire. J. S. Nachtmann. 2,392,687; Jan. 8.

- Apparatus for electrothermic reactions. C. G. Suits. 2,399,951; May 7.
- Apparatus for elevator guide rails, Positioning. H. E. Hall. 2,402,888; June 25.
- Apparatus for elevator platforms, Locking. J. Dunlop and L. R. Rissler. 2,408,762; Oct. 8.
- Apparatus for elevators, Safety. J. Dunlop. 2,408,758; Oct. 8.
- Apparatus for embedding an elongated flexible member in a moldable material. W. Miller and S. D. Mahlstadt. 2,408,149; Sept. 24.
- Apparatus for evaporating and distilling. E. P. Worthen and F. S. Barbour. 2,398,068; Apr. 9.
- Apparatus for evaporating and oxidizing oxygen. J. A. Mathis and R. W. Milan. 2,401,651; June 4.
- Apparatus for exposing and developing films. H. Kershaw. 2,395,970; Mar. 5.
- Apparatus for extracting oil free non-oxidized juice. R. B. McKinnis. 2,393,475; Jan. 22.
- Apparatus for extruding. L. B. Green. 2,408,627; Oct. 1.
- Apparatus for extruding thermoplastic materials. W. A. Magerkurth and H. E. Buecken. 2,407,503; Sept. 10.
- Apparatus for fabricating lamp stems. A. B. Scholes and A. Bratt. 2,392,799; Jan. 8.
- Apparatus for fabricating mercury switches and the like. C. H. Larson. 2,396,956; Mar. 19.
- Apparatus for fabricating welded wire fabrics. T. H. Wickwire, Jr. 2,410,766; Nov. 5.
- Apparatus for feeding and delivering ammunition blanks. E. H. Birdsall. 2,401,637; Oct. 22.
- Apparatus for feeding and stemming fruit. B. C. Coons. 2,401,463; June 4.
- Apparatus for feeding, cutting, and molding individual edible spreads. C. A. and E. Doering, E. W. Anderson, and B. J. Skoglund. 2,411,616; Nov. 26.
- Apparatus for feeding liquid to drying drums. G. N. Harcourt and D. B. Montgomery. 2,392,382; Jan. 8.
- Apparatus for feeding metal strip to metal working presses. R. T. Todd. 2,394,824; Feb. 12.
- Apparatus for feeding preforms to injection machines. D. C. Youngblood and B. D. Ashbaugh. 2,413,401; Dec. 31.
- Apparatus for feeding spangles to spangling machines. C. Weiss. 2,400,616; May 21.
- Apparatus for filling life preservers and the like. J. A. Cook. 2,410,015; Oct. 29.
- Apparatus for filtering gas. W. E. Stackhouse. 2,400,719; May 21.
- Apparatus for finishing binmetallic articles. L. S. Kuperstith and C. F. Wirt. 2,392,050; Jan. 1.
- Apparatus for finishing forgings. A. R. Walpole. 2,411,399; Nov. 19.
- Apparatus for firing pressed fuel. J. Roth. 2,407,849; Sept. 17.
- Apparatus for fluid suspension classification. P. L. Wigton. 2,413,015; Dec. 24.
- Apparatus for fluid treating under controlled conditions. G. L. Royer and E. I. Stearns, Jr. 2,405,167; Aug. 6.
- Apparatus for forming and assembling articles. E. C. Neuhaus and C. W. Verrill. 2,409,147; Oct. 8.
- Apparatus for forming blocks of concrete or other hardening material. F. A. Williams. 2,398,267; Apr. 9.
- Apparatus for forming cam surfaces upon cylindrical cam bodies. A. Anderson. 2,408,722; Oct. 8.
- Apparatus for forming cam tops and lids. L. W. Sturdy. 2,413,591; Dec. 31.
- Apparatus for forming clay pipe and the like. R. F. Donahay. 2,401,232; May 28.
- Apparatus for forming cutting edges on cutting tools. C. Walters. 2,396,904; Mar. 19.
- Apparatus for forming evaporated films. J. E. Swope, Jr., A. F. Turner, and O. A. Ullrich, Jr. 2,403,199; July 2.
- Apparatus for forming fibrous strands. G. Slayter and E. Fletcher. 2,398,808; Apr. 23.
- Apparatus for forming forams. W. H. Snow and J. D. Frengman. 2,395,692; Feb. 26.
- Apparatus for forming hollow molds. W. C. Jarchow. 2,402,555; June 25.
- Apparatus for forming materials. W. B. Ahern. 2,410,857; Nov. 12.
- Apparatus for forming ornamental trimming. A. Beckelman. 2,404,941; July 30.
- Apparatus for forming sheet metal. J. S. Nielsen. 2,410,676; Nov. 5.
- Apparatus for forming skis, etc. E. R. Patchen. 2,406,698; Aug. 27.
- Apparatus for forming surfaces of revolution. C. B. Madock. 2,403,668; July 9.
- Apparatus for forming tubing. L. L. Seymour. 2,392,194; Jan. 1.
- Apparatus for fractional distillation. R. E. Burk and E. Kropp. 2,404,789; July 30.
- Apparatus for freezing. F. B. Doyle. 2,407,482; Sept. 10.
- Apparatus for freezing comestibles. N. Sharpe. 2,402,921; June 25.
- Apparatus for fumigating buildings. F. D. Hubbell. 2,411,212; Nov. 19.
- Apparatus for furnace ports, Cooling. E. W. Pottmeyer. 2,406,399; Aug. 27.
- Apparatus for gas analysis. W. M. Zalkowsky. 2,393,674; Jan. 29.
- Apparatus for gas analysis of drilling mud. R. L. Doan. 2,393,092; Jan. 15.
- Apparatus for generating continuously variable mechanical operations. V. Bush and S. H. Caldwell. 2,397,467; Apr. 7.
- Apparatus for grading fruits, vegetables, and other products according to size. G. H. Bleeker. 2,410,147; Oct. 29.
- Apparatus for grinding. H. N. Seyferth. 2,402,455; June 18.
- Apparatus for grinding teeth. S. R. Silver. 2,411,234; Nov. 19.
- Apparatus for grinding the surfaces of small objects. H. F. Pruthi. 2,405,417; Aug. 6.
- Apparatus for handling and coating containers. W. I. Gladfelter and W. A. Schmidt. 2,397,733; Apr. 2.
- Apparatus for handling articles. C. C. McCain. 2,399,052; Apr. 23.
- Apparatus for handling powdered materials. O. T. Pieper. 2,404,884; July 30.
- Apparatus for handling recumbent persons. J. E. Lenahan. 2,404,734; July 23.
- Apparatus for handling vehicles. M. Rickland. 2,412,009; Dec. 3.
- Apparatus for heat treating. H. E. Somes. 2,396,612; Mar. 12.
- Apparatus for heat treating articles. H. E. Somes. 2,396,613; Mar. 12.
- Apparatus for heat treating internal surfaces of metal articles. A. E. Shorter. 2,403,761; July 9.
- Apparatus for heat-treating metal objects. L. S. Hughes. 2,396,850; Mar. 19.
- Apparatus for heat-treatment. H. A. Strickland, Jr. 2,402,509; June 18.
- Apparatus for heating and melting materials. G. P. Kittel and P. Wollner. 2,396,578; Mar. 12.
- Apparatus for heating and vaporizing liquid. W. M. Butler. 2,402,871; June 25.
- Apparatus for heating catalyst chambers. F. C. Neuhaert. 2,394,631; Feb. 12.
- Apparatus for improving the effective use of eyeglass and preventing strain on the eyes. C. L. Burdick. 2,406,190; Aug. 20.
- Apparatus for indicating horsepower. D. K. Allison. 2,402,719; June 25.
- Apparatus for indicating or measuring distances. Electrical. A. D. Blumlein. 2,406,529; Aug. 27.
- Apparatus for inflating tires. G. C. Schule. 2,408,126; Sept. 24.
- Apparatus for inspecting manufactured articles. C. P. Abrams. 2,405,483; Aug. 6.
- Apparatus for instruction in the use of firearms. S. D. Martin. 2,396,017; Mar. 5.
- Apparatus for instruction or amusement. N. S. Krassilnikov. 2,399,811; May 7.
- Apparatus for integrating radiant energy. C. S. Ost. 2,408,576; Oct. 1.
- Apparatus for interiorly inspecting opaque containers. L. W. England and W. E. Punte. 2,411,991; Dec. 3.
- Apparatus for internal-combustion engines, Auxiliary spark ignition. I. J. Hulbert. 2,400,757; May 21.
- Apparatus for introducing molten material into molds. H. E. McVane and H. K. McGavock. 2,409,779; Oct. 22.
- Apparatus for investigating absorption spectra of substances. J. J. Heigl and J. A. Wilson. 2,404,064; July 16.
- Apparatus for lacquer coating side seams of car bodies. H. A. Fink and B. D. Blosser. 2,412,139; Dec. 3.
- Apparatus for loading and unloading moving floor vehicles. J. A. Kinnaird. 2,409,870; Oct. 22.
- Apparatus for making alkyl lead compounds. F. C. Mitchell, J. C. Lawrence, and J. L. Stecher. 2,411,453; Nov. 19.
- Apparatus for making briquettes. A. J. Langhammer. 2,411,799; Nov. 19.
- Apparatus for making carbon black. I. Williams and F. W. Selfridge. 2,399,969; May 7.
- Apparatus for making coffee. M. N. States. 2,403,691; July 9.
- Apparatus for making collapsible tubes. B. Bogoslawsky. 2,403,042; July 2.
- Apparatus for making gut strings. F. Lange. 2,410,509; Nov. 5.
- Apparatus for making hollow thermoplastic ware. V. E. Hofmann. 2,401,564; June 4.
- Apparatus for making ice. W. B. Kirkpatrick. 2,400,517; May 21.
- Apparatus for making masking tapes. C. A. Herold. 2,396,466; Mar. 12.
- Apparatus for making montage prints. C. Pollak. 2,412,288; Dec. 10.
- Apparatus for making photographic prints on variable contrast light-sensitive material. R. S. Potter. 2,392,502; Jan. 8.
- Apparatus for making piezoelectric crystals. H. F. Fruth. 2,404,282; July 16.
- Apparatus for making pile fabrics. R. E. Ford and J. W. Hunt. 2,395,217; Feb. 19.
- Apparatus for making rivets. C. R. Buchet. 2,395,721; Feb. 19.
- Apparatus for making sheet material. G. P. Bosomworth. 2,404,582; July 23.
- Apparatus for making socket wrenches. P. E. Mortensen. 2,398,244; Apr. 9.

- Apparatus for making spiral wound tubing. P. Gardner and R. Kagan. 2,406,677; Aug. 27.
- Apparatus for manufacture or converting of textile yarn. W. A. Seem. 2,394,639; Feb. 12.
- Apparatus for manufacturing hollow glass articles. E. R. Bonnefoy-Cudraz. 2,405,557; Aug. 13.
- Apparatus for manufacturing jiggered potteryware. W. J. Miller. 2,408,804; Oct. 8.
- Apparatus for manufacturing optical prisms. E. M. Hawkins. 2,394,610; Feb. 12.
- Apparatus for manufacturing silica-glass. H. J. Nachod. 2,398,952; Apr. 23.
- Apparatus for manufacturing slide fasteners. M. Voity. 2,396,933; Mar. 19.
- Apparatus for manufacturing tempered glass. T. G. Velhs. 2,411,701; Nov. 26.
- Apparatus for manufacturing toothed elements. E. F. Aber. 2,393,727; Jan. 29.
- Apparatus for measuring carbonaceous deposits. R. B. Collins. 2,404,474; July 23.
- Apparatus for measuring high frequency voltages. E. C. Cork. 2,395,851; Mar. 5.
- Apparatus for measuring molten metal temperatures. W. R. Zimmerman. 2,397,901; Apr. 2.
- Apparatus for measuring or checking transverse dimensions. M. Mennesson. 2,408,672; Oct. 1.
- Apparatus for measuring or indicating the roughness or undulations of a surface. R. E. Reason. 2,398,666; Apr. 16.
- Apparatus for measuring or indicating the roughness or undulations of surfaces. R. E. Reason. 2,404,143; July 16.
- Apparatus for measuring tensile or compression loads. W. H. Roberts. 2,403,194; July 2.
- Apparatus for measuring the quality of material. R. W. Osborne. 2,395,951; Feb. 26.
- Apparatus for measuring tires. R. W. Evert. 2,408,746; Oct. 8.
- Apparatus for melting finely divided aluminum and alloys and other metals. N. Koblhepp. 2,402,498; June 18.
- Apparatus for mixing and filling beverages. R. J. Stewart. 2,408,107; Sept. 24.
- Apparatus for mixing and placing concrete. L. M. Parkhurst. 2,394,561; Feb. 12.
- Apparatus for mixing fluids. M. P. Watuszak. 2,392,542; Jan. 8.
- Apparatus for mixing materials, Stream-current. G. A. Auer. 2,391,858; Jan. 1.
- Apparatus for molding concrete. K. V. Lindkvist. 2,407,168; Sept. 3.
- Apparatus for molding concrete blocks. C. W. Stancliffe. 2,394,943; Feb. 12.
- Apparatus for molding laminated structures. E. L. Vidal and W. A. Taylor. 2,392,108; Jan. 1.
- Apparatus for molding lenses. J. H. Webb. 2,410,616; Nov. 5.
- Apparatus for molding plastic material. L. B. Green. 2,408,630; Oct. 1.
- Apparatus for molding plywood panels. G. E. Kloote. 2,412,274; Dec. 10.
- Apparatus for moving loose material. L. B. Thwaites. 2,395,238; Feb. 19.
- Apparatus for multicolor printing with electro lines of force. W. C. Huebner. 2,408,143; Sept. 24.
- Apparatus for obtaining moisture regain. W. N. Hadley. 2,401,927; June 11.
- Apparatus for operating coke ovens with movable walls. P. Puening. 2,413,335; Dec. 31.
- Apparatus for opposing offset and eliminating static in printing. T. M. Beregh. 2,394,656; Feb. 12.
- Apparatus for packaging. T. B. Buchanan and C. B. Page. 2,402,869; June 25.
- Apparatus for packing explosive in cartridges. J. L. Clark, C. M. Linden, and C. C. Ott. 2,404,434; July 23.
- Apparatus for picking up articles by aircraft in flight. R. C. du Pont. 2,402,879; June 25.
- Apparatus for placing beads on tire carcasses. C. S. McChesney. 2,394,465; Feb. 5.
- Apparatus for placing finely divided material. W. W. Castor. 2,398,517; Apr. 16.
- Apparatus for polishing or forming facets on gems, diamonds, or the like. J. H. Spira. 2,393,939; Jan. 29.
- Apparatus for positioning fish. C. M. Savdra. 2,413,383; Dec. 31.
- Apparatus for preparing clay for jiggering in the manufacture of potteryware. W. J. Miller. 2,408,803; Oct. 8.
- Apparatus for preparing formed gels. E. O. Sowerwine. 2,410,314-15; Oct. 29.
- Apparatus for preparing mixtures of ceramic materials in the manufacture of potteryware. W. J. Miller. 2,413,330; Dec. 31.
- Apparatus for preparing paving materials. J. L. Waters. 2,397,581; Apr. 2.
- Apparatus for preventing foaming. P. M. Kallusky. 2,412,342; Dec. 10.
- Apparatus for preventing offset. T. J. Beregh. 2,394,657; Feb. 12.
- Apparatus for printing. G. C. Ellerbeck. 2,405,562; Aug. 13.
- Apparatus for processing photographic films. R. J. Duguid. 2,405,645; Aug. 13.
- Apparatus for producing annular compressed wire mesh units. O. H. York. 2,405,725; Aug. 13.
- Apparatus for producing balanced color reproductions of off-balance color recordings. F. T. O'Grady. 2,402,660; June 25.
- Apparatus for producing cage grids. C. Herzog. 2,391,969; Jan. 1.
- Apparatus for producing carbon black. R. W. Skoog. 2,413,586; Dec. 31.
- Apparatus for producing electrical oscillations. A. W. Wells. 2,408,589; Oct. 1.
- Apparatus for producing fibrous glass. A. L. Simison and E. Fletcher. 2,407,295; Sept. 10.
- Apparatus for producing justified type matter. H. R. Freund and C. G. Youngquist. 2,395,659; Feb. 26.
- Apparatus for producing metal. R. K. Hopkins. 2,406,147; Aug. 20.
- Apparatus for producing or purifying metals or compounds. S. E. Hybinette and F. C. Cary. 2,412,582; Dec. 17.
- Apparatus for producing ozone. D. K. Allison. 2,404,778; July 30.
- Apparatus for producing pottery ware. W. J. Miller. 2,407,321; Sept. 10.
- Apparatus for producing potteryware. W. J. Miller. 2,409,099; Oct. 29.
- Apparatus for producing pulp. K. A. U. Lowgren, A. A. Alfson, and H. S. Messing. 2,396,587; Mar. 12.
- Apparatus for producing staple fibers. N. J. Folsom and S. M. Martin. 2,394,603; Feb. 12.
- Apparatus for producing subdivided molding material. J. Helitz. 2,401,236; May 28.
- Apparatus for producing synthetic yarns. A. J. Signoret. 2,406,641; Aug. 27.
- Apparatus for production and application of reinforcing elements. W. T. Bailey. 2,399,616; May 7.
- Apparatus for production of artificial threads by the wet spinning process. H. S. Jones. 2,402,409; June 18.
- Apparatus for production of mirrored surfaces. A. R. Weinrich. 2,401,443; June 4.
- Apparatus for production of olefins and diolefins. E. V. Murphree. 2,399,560; Apr. 30.
- Apparatus for protecting ships from torpedoes, mines, and the like. C. H. Luby. 2,395,056; Feb. 19.
- Apparatus for pulverizing materials. L. F. Beach. 2,398,774; Apr. 23.
- Apparatus for pumping and atomizing liquid. W. E. Baker. 2,412,388; Dec. 10.
- Apparatus for purifying liquids. F. G. Negus. 2,399,289; Apr. 30.
- Apparatus for pyrolytically treating hydrocarbons. C. H. Hughes. 2,410,074; Oct. 29.
- Apparatus for radio direction finding. J. R. Steinhoff. 2,392,420; Jan. 8.
- Apparatus for radio receiving beacons. Radio. W. J. O'Brien. 2,404,810; July 30.
- Apparatus for railway signal systems. F. T. Fereday. 2,408,206; Sept. 24.
- Apparatus for raising sunken vessels. E. A. Brizay. 2,411,649; Nov. 26.
- Apparatus for recording electrical signals. J. N. Anderson. 2,403,472; July 9.
- Apparatus for recording temperature. H. W. Russell and C. F. Lucke. Re. 22,709; Jan. 15.
- Apparatus for recovering metals. T. B. Cooper and W. H. Schulz. 2,404,364; July 23.
- Apparatus for rectification, absorption, or gas scrubbing. M. A. Zimmerman. 2,394,133; Feb. 5.
- Apparatus for reducing the fluid content of fluid-solid intermixture. H. A. Teale. 2,407,303; Sept. 10.
- Apparatus for reducing the visibility of an object silhouetted against the sky. W. D. Cockrell. 2,398,620; Apr. 16.
- Apparatus for reduction of oxides. H. A. Brassert. 2,404,944; July 30.
- Apparatus for refacing gate valves. P. E. Wilcox. 2,408,280; Sept. 24.
- Apparatus for refrigerating comestibles. L. R. Tansley. 2,397,446; Mar. 26.
- Apparatus for regulating vehicle speed. J. G. Oetzel. 2,412,228; Dec. 10.
- Apparatus for remote control systems, Transmitting. A. Jacke. 2,393,377; Jan. 22.
- Apparatus for removing bark from slabs. B. E. Kenney, Jr. 2,397,490; Apr. 2.
- Apparatus for removing burrs from tubes or the like. W. R. Hathaway. 2,395,624; Feb. 26.
- Apparatus for removing matter from surfaces of etched plates. J. Nowatius. 2,392,176; Jan. 1.
- Apparatus for removing slag from furnaces. W. G. Noack. 2,399,884; May 7.
- Apparatus for removing snow and the like. E. R. Greer. 2,404,287; July 16.
- Apparatus for responding to magnetic fields. V. V. Vacquier. 2,406,870; Sept. 3.
- Apparatus for responding to magnetic fields. V. V. Vacquier. 2,407,202; Sept. 3.
- Apparatus for reversing furnaces. P. D. Nielsen. 2,397,365; Mar. 26.
- Apparatus for riveting. A. J. Helntz. 2,393,771; Jan. 29.
- Apparatus for road vehicles, Sanding. C. H. Mattoon. 2,405,970; Aug. 20.
- Apparatus for sampling workpieces. O. E. Schauer and P. H. Long. 2,400,603; May 21.

- Apparatus for sawing stone. E. and F. E. Minkler. 2,411,585; Nov. 26.
- Apparatus for screening fish from streams of water. J. D. Toft. 2,402,099; June 11.
- Apparatus for sealing containers. H. A. Rau. 2,408,447; Oct. 1.
- Apparatus for sealing containers. H. E. Stover. 2,412,924; Dec. 17.
- Apparatus for securing a metallic annulus. R. K. Pottle. 2,403,998; July 16.
- Apparatus for selective control and indication systems. P. Place. 2,400,258; May 14.
- Apparatus for selective control and indication systems. A. J. Sorensen. 2,409,719; Oct. 22.
- Apparatus for separating fluids. W. H. Rupp and R. O. Wright. 2,411,809; Nov. 26.
- Apparatus for separating gases or the like. N. C. Turner. 2,398,818; Apr. 23.
- Apparatus for separating sheets from piles. T. Rowlands. 2,395,644; Feb. 26.
- Apparatus for separating shot particles from mineral wool. C. G. Muench. 2,403,740; July 9.
- Apparatus for separation of metallic values. A. Hanak. 2,393,467; Jan. 22.
- Apparatus for setting blind rivets. E. H. Shaff. 2,405,613; Aug. 13.
- Apparatus for severing and crimping electrical connectors. V. E. Carlson. 2,396,913; Mar. 19.
- Apparatus for shaping objects provided with curved surfaces. H. G. Hoffer. 2,410,443; Nov. 5.
- Apparatus for shaping plastics by extrusion. J. Bailey and R. S. Jesionowski. 2,393,452; Jan. 22.
- Apparatus for shell forgings, Nosing-in. L. Layton. 2,404,304; July 16.
- Apparatus for shrinking fabrics. F. Chatfield. 2,409,543; Oct. 15.
- Apparatus for slitting endless bands. F. Slusher. 2,410,905; Nov. 12.
- Apparatus for smoothing and drying garments. H. C. Grimes. 2,403,655; July 9.
- Apparatus for smoothing furnace walls. C. R. Jeffreys. 2,394,858; Feb. 12.
- Apparatus for smoothing hot melt coatings. A. M. Wickwire, Jr. 2,407,335; Sept. 10.
- Apparatus for solar distillation. W. R. P. Delano. 2,405,877; Aug. 13.
- Apparatus for splicing rubberlike materials. C. W. Leguillon. 2,409,571; Oct. 15.
- Apparatus for spraying crown caps. H. A. Fink. 2,412,138; Dec. 8.
- Apparatus for stacking lumber. W. H. Beane. 2,397,720; Apr. 2.
- Apparatus for steam generator control. J. D. McCracken. 2,412,739; Dec. 17.
- Apparatus for steering aircraft. R. H. Goddard. 2,396,568; Mar. 12.
- Apparatus for sterilizing soil. B. B. Elliott. Re. 22,778; Aug. 13.
- Apparatus for strip material, Straightening. C. P. Naegeli. 2,393,702; Jan. 29.
- Apparatus for subdividing a mass. R. R. Pollard. 2,393,185; Jan. 15.
- Apparatus for submarine signaling. L. Batchelder. 2,407,244; Sept. 10.
- Apparatus for submarine signaling. L. Batchelder. 2,407,643; Sept. 17.
- Apparatus for submarine signaling. H. M. Hart. 2,407,271; Sept. 10.
- Apparatus for submarine signaling. E. E. Turner, Jr. 2,407,329; Sept. 10.
- Apparatus for submarine signaling. E. E. Turner, Jr. 2,408,113; Sept. 24.
- Apparatus for submarine signaling. R. L. Williams. 2,407,697; Sept. 17.
- Apparatus for supplying wire from wire spools to bending presses. J. S. Burge. 2,400,739; May 21.
- Apparatus for supporting and cementing liners or casings in well bores. R. C. Glover and R. O. Childers. 2,411,280; Nov. 19.
- Apparatus for surface generation. R. Hayward. 2,403,659; July 9.
- Apparatus for taking samples from traveling strip. R. Brunner. 2,393,745; Jan. 29.
- Apparatus for testing and adjusting barometric fuses. E. H. Belser, E. L. Burninger, and M. E. Schlenker. 2,411,358; Nov. 19.
- Apparatus for testing containers. W. A. Darrah. 2,407,062; Sept. 3.
- Apparatus for testing cylinders. J. E. Longley. 2,396,380; Mar. 12.
- Apparatus for testing electrical conductors. H. R. Longfellow. 2,393,177; Jan. 15.
- Apparatus for testing fusion sealed ampoules. R. L. Wells. 2,396,729; Mar. 19.
- Apparatus for testing gear units. J. A. Lucas. 2,393,113; Jan. 15.
- Apparatus for testing microphones. H. J. Houlgate and P. D. R. Marks. 2,394,613; Feb. 12.
- Apparatus for testing the aerodynamic balance of air-screws. F. B. Halford. 2,394,766; Feb. 12.
- Apparatus for testing the brake on airplane ground wheels. G. E. Bock. 2,400,467; Oct. 15.
- Apparatus for testing telephone lines. F. J. Cannon and G. E. Goodwin. 2,397,837; Apr. 2.
- Apparatus for testing waterproof watchcases. W. O. Bennett, Jr. 2,407,945; Sept. 17.
- Apparatus for testing water-vapor permeability. G. J. Brabender. 2,400,481; May 21.
- Apparatus for the automatic adjustment of the angle of elevation of guns. F. L. Roberts and J. H. Abbink-Spauk. 2,412,356; Dec. 10.
- Apparatus for the clarification of liquids. A. Butcher. 2,407,947; Sept. 17.
- Apparatus for the control of highway crossing signals. S. E. Gillespie. 2,391,961; Jan. 1.
- Apparatus for the control of highway crossing signals. C. F. Lower. 2,406,955; Sept. 3.
- Apparatus for the determination of the fluidity of molten metals. E. M. Currie. 2,395,254; Feb. 19.
- Apparatus for the electrolytic treatment of moving strips of metal. W. M. Venable. 2,395,437; Feb. 26.
- Apparatus for the electroplating of bearing shells. C. F. Matthews. 2,406,958; Sept. 3.
- Apparatus for the feeding chutes of concrete mixers, Vibrating. G. M. Murphy. 2,398,549; Apr. 16.
- Apparatus for the liquid treatment of strand material. A. P. Burke and H. Crowdsen. 2,402,313; June 18.
- Apparatus for the manufacture of building blocks. E. Leopold and B. Gari. 2,419,109; Dec. 24.
- Apparatus for the manufacture of convoluted rods. H. A. Perkins. 2,406,033; Aug. 20.
- Apparatus for the manufacture of formaldehyde. P. Schuler. 2,409,908; Sept. 3.
- Apparatus for the manufacture of polymer. W. J. Sparks and D. C. Field. 2,395,079; Feb. 19.
- Apparatus for the manufacture of potteryware. W. J. Miller. 2,409,172; Oct. 8.
- Apparatus for the manufacture of synthetic yarn. H. O. Naumann. 2,410,456; Nov. 5.
- Apparatus for the molding of plastic articles. A. B. McGinnis. 2,412,411; Dec. 10.
- Apparatus for the production of ammonium sulphate. C. G. Orr. 2,409,790; Oct. 22.
- Apparatus for the production of artificial filaments. A. S. Hunter. 2,391,973; Jan. 1.
- Apparatus for the production of music. B. F. Miessner. 2,413,062; Dec. 24.
- Apparatus for the production of reflection reducing coatings. G. L. Dimmick. 2,411,715; Nov. 26.
- Apparatus for the recording of slow processes. L. Røsa and I. Zakariás. 2,409,317; Oct. 15.
- Apparatus for the transportation of dry bulk materials. E. G. Warren. 2,396,355; Mar. 12.
- Apparatus for treating articles. H. Osterberg, G. E. Pride, and P. C. Heijn. 2,408,529; Oct. 1.
- Apparatus for the treatment of artificial materials. R. D. Reel. 2,398,396; Apr. 23.
- Apparatus for the treatment of textiles. A. Mellor and R. Martin. 2,392,939; Jan. 15.
- Apparatus for transmitting intelligence. S. Brand and H. J. Klotz. 2,399,720; May 7.
- Apparatus for treating carbonaceous material. E. H. Records. 2,397,432; Mar. 26.
- Apparatus for treating fabrics. H. V. Wright and W. W. Sibson, Jr. 2,400,726; May 21.
- Apparatus for treating fabrics with liquid. R. Nazzaro. 2,405,668; Aug. 13.
- Apparatus for treating fibrous materials. C. R. Carpenter. 2,405,401; Aug. 6.
- Apparatus for treating gases with liquids. L. W. W. Clark and B. J. Byrne. 2,400,810; May 21.
- Apparatus for treating material on propeller blades. J. O. Antonson. 2,407,528; Sept. 10.
- Apparatus for treating metal. R. A. Bierwirth and C. N. Hoyler. 2,401,899; June 11.
- Apparatus for treating ores or other materials. E. Anderson. 2,395,325; Jan. 22.
- Apparatus for treating sewage. J. D. Walker. 2,403,695; July 9.
- Apparatus for treating thread and the like. K. M. McLeilan. 2,403,819; July 9.
- Apparatus for trimming commutators. J. Simpson, Jr., and J. Williams. 2,409,158; Oct. 8.
- Apparatus for trimming handles and the like for pottery goods. R. B. Bloore. 2,413,540; Dec. 31.
- Apparatus for tube-like articles, Shaping. J. F. P. Farrar. 2,402,490; June 18.
- Apparatus for unbelting ammunition. M. R. Williams. 2,409,651; Oct. 22.
- Apparatus for undisturbed overburden sampling. H. L. Johnson. 2,403,002; July 2.
- Apparatus for use in logging wells. J. T. Hayward. 2,404,132; July 16.
- Apparatus for use in manufacturing pottery ware. W. J. Miller. 2,392,399; Jan. 8.
- Apparatus for use in stiffening uppers of shoes. J. J. Brophy. 2,408,738; Sept. 3.
- Apparatus for use in the hydrogenation of oils. L. H. Mandersham and L. V. Warner. 2,410,670; Nov. 5.
- Apparatus for use in the manufacture of laminated skis. A. D. Andreef. 2,392,079; Jan. 1.
- Apparatus for vacuum testing sealed articles. R. H. Dickman. 2,408,202; Sept. 24.
- Apparatus for vulcanizing articles. H. Blount. 2,394,658; Feb. 12.

- Apparatus for washing films. R. A. Ballantyne. 2,399,617; May 7.
- Apparatus for waving hair. J. A. Kols. 2,392,157; Jan. 1.
- Apparatus for welding seams. H. T. Odquist. 2,394,004; Feb. 5.
- Apparatus for well logging. W. L. Russell. 2,398,562; Apr. 16.
- Apparatus for whipping conductors. A. C. Frankwich. 2,398,217; Apr. 9.
- Apparatus for working metal. D. Kelleher. 2,392,925; Jan. 15.
- Apparatus to detect change of voltage. C. Volz. 2,408,711; Oct. 1.
- Apparel, Mustard gas proof. H. J. Heribert. 2,399,027; Apr. 23.
- Apparel, Sun-bathing. G. Gallowhr. 2,391,959; Jan. 1.
- Appliance, H. Cohen. 2,409,929; Oct. 22.
- Appliance, Cosmetic. B. C. Dunand. 2,399,335; Apr. 30.
- Appliance, Dental. V. E. Britt and E. A. Goetze. 2,400,912; May 28.
- Appliance, Domestic. J. B. Dyer. 2,396,164; Mar. 5.
- Appliance, Domestic. C. A. Stickle. 2,402,787; June 25.
- Appliance, Foot. B. Ferrar. 2,408,617; Oct. 1.
- Appliance for hoisting apparatus, Safety. J. E. Davenport. 2,393,312; Jan. 22.
- Appliance for measuring the velocity of projectiles. F. Fischer and W. Amrein. 2,409,672; Oct. 22.
- Appliance for paint sprayers. J. D. Tessier. 2,410,532; Nov. 5.
- Applicator. R. H. Noble. 2,403,016; July 2.
- Applicator and container combination, Lipstick. L. L. Bassett. 2,412,073; Dec. 3.
- Applicator and dispenser, Medicinal. J. P. Robinson. 2,410,460; Nov. 5.
- Applicator, Base coat. H. B. Bristol. 2,400,681; May 21.
- Applicator, Flexible. E. L. Barnes and H. A. Brenner. 2,409,929; Oct. 22.
- Applicator for adhesives. F. B. Baker. 2,397,080; Mar. 26.
- Applicator for ear protector. E. S. Russell. 2,393,340; Jan. 22.
- Applicator, Heat and cold. M. Modlinski. 2,403,676; July 9.
- Applicator, Liquid. E. L. Blocher. 2,399,162; Apr. 30.
- Applicator, Liquid. I. H. Daniel. 2,407,770; Sept. 17.
- Applicator, Sanitary. F. Satz and M. Berns. 2,404,815; July 30.
- Applicator, Tampon. C. P. Winter. 2,413,480; Dec. 31.
- Applicator, Therapeutic-oscillation. N. D. Mininberg. 2,412,093; Dec. 3.
- Applicator, Wax. R. C. Schmidt, Sr. 2,396,973; Mar. 19.
- Applying and removing device, Jar cap. K. F. Seals. 2,406,167; Aug. 20.
- Applying machine, Overcap. A. E. Almgren. 2,406,784; Sept. 3.
- Applying molten metal on strip stock, Method and apparatus for. C. A. Mann. 2,405,220; Aug. 6.
- Applying protective coatings. M. Salo. 2,398,042; Apr. 9.
- Apron. F. Dorcey. 2,410,639; Nov. 5.
- Apron feed change mechanism. V. von K. Sundt. 2,393,433; Feb. 27.
- Apron, Long draft spinning. H. M. Bacon and A. L. Freedlander. 2,402,356; June 18.
- Apron, Protective. S. T. Green. 2,404,225; July 16.
- Aqueous alkaline reacting cleaning bath having reduced foaming characteristics. H. E. Tremain and L. R. Bucon. 2,407,559; Sept. 10.
- Aqueous azeotrope former in azeotropic distillation of hydrocarbons, Recovery of. G. R. Lake. 2,411,437; Nov. 19.
- Aqueous dispersions containing polyvinyl acetate and wax. Making. G. O. Morrison and H. M. Collins. 2,404,519; July 23.
- Aqueous dispersions of vinyl chloride polymers, Preparation of. E. R. Burns. 2,400,808; May 21.
- Aqueous solution of riboflavin. J. C. Bird and A. Kuna. 2,407,624; Sept. 24.
- Arachnids. W. P. ter Horst. 2,397,633; Apr. 2.
- Aralkyl aldehydes, Producing. W. S. Emerson. 2,397,412; Mar. 26.
- Aralkylated sulphamides and making same. O. Albrecht. 2,398,990; Apr. 23.
- Arbor, Coil supporting. J. W. Dougherty. 2,409,742; Oct. 22.
- Arbor, Depth charge. W. E. Patrick, Jr. 2,398,445; Apr. 16.
- Arc discharge starting device. P. L. Spencer. 2,396,294; Mar. 12.
- Arc, Drum tilting. E. M. Lacey. 2,399,360; Apr. 30.
- Arc extinguishing means. E. W. Landmeier. 2,393,385; Jan. 22.
- Arc furnace regulator switch. J. Young. 2,402,470; June 18.
- Arc welding. L. K. Stringham. 2,402,938; June 25.
- Arc welding rod holder. H. W. Schottenberg and J. J. Volosin. 2,394,877; Feb. 12.
- Arc welding system. C. L. Denault. 2,399,331; Apr. 30.
- Arc welding system. W. E. Pakala and A. B. White. 2,399,377; Apr. 30.
- Arc welding system. A. B. White. 2,399,415; Apr. 30.
- Arce, Controlling. G. W. Peters. 2,411,893; Dec. 3.
- Arch for furnaces, Firing. W. G. Noack. 2,396,875; Mar. 19.
- Arch hook. A. E. Hansen. 2,397,660; Apr. 2.
- Arch, Laminated plywood. E. J. Kump, Jr. 2,413,145; Dec. 24.
- Arch normalizer. J. T. Aydelotte. 2,413,133; Dec. 24.
- Arch support. M. Margolina. 2,408,792; Oct. 8.
- Arch support. C. G. Muller. 2,403,944; July 16.
- Arch support. W. M. Scholl. 2,409,960; Oct. 22.
- Arm and hand, Artificial. D. C. Mollenhour. 2,409,884; Oct. 22.
- Arm driving mechanism. L. J. Carey. 2,412,319; Dec. 10.
- Armrest, Welder's. A. F. Gerdes. 2,403,654; July 9.
- Armament structure. J. H. Wilson. 2,395,310; Feb. 19.
- Armature relay, Oscillatory. E. Weber. 2,413,597; Dec. 31.
- Armature winder. P. A. Schnebelen. 2,409,394; Oct. 15.
- Armature winding. E. I. Pollard. 2,403,118; July 2.
- Armature winding mechanism. C. Arpurth. 2,394,529; Feb. 12.
- Armor plate construction. M. Partiot. 2,399,691; May 7.
- Armor plate structure, Laminated. W. W. Hecker. 2,399,184; Apr. 30.
- Aromatic bodies, Production of. C. Weizmann. 2,397,715; Dec. 12.
- Aromatic carboxylic acid amides and their manufacture. A. Stoll, R. Morf, and J. Peyer. 2,401,522; June 4.
- Aromatic compounds, Alkylation of. L. Schmerling. 2,393,818; Jan. 29.
- Aromatic compounds, Preparation of polycyclic. C. E. Adams. 2,399,716; May 7.
- Aromatic compounds, Production of. H. Pines and V. N. Ipatieff. 2,410,554; Nov. 5.
- Aromatic compounds, Ruberlike wax substituted. O. M. Hecht and J. J. Giammaria. 2,402,506; June 18.
- Aromatic derivatives, Production of. W. N. Axe. 2,404,120; July 16.
- Aromatic hydrocarbons from hydrocarbon mixtures, Preparation of. E. A. Naragon. 2,412,828; Dec. 17.
- Aromatic hydrocarbons from petroleum, Production of. E. R. Lewis and C. L. Read. 2,392,749; Jan. 8.
- Aromatic hydrocarbons with normally gaseous unsaturated hydrocarbons, Reaction of. W. N. Axe. 2,412,595; Dec. 17.
- Aromatic olefines, Polymerization of heat polymerizable. F. J. Soday. 2,394,407; Feb. 5.
- Aromatic substituted methyl alkyl ethers as insecticides. I. Hechenbleikner. 2,411,428; Nov. 19.
- Aromatics, Alkylation of. C. B. Linn and V. N. Ipatieff. 2,410,547; Nov. 12.
- Aromatics, Producing. W. J. Mattox. 2,399,751; May 7.
- Aromatics, Production of. M. C. K. Jones and F. W. Schumacher. 2,400,355; May 14.
- Aromatics, Production of. F. W. Leffer. 2,401,649; June 4.
- Aromatics, Production of. H. H. Meier. 2,400,363; May 14.
- Aromatics, Production of alkyl. D. R. Carmody. 2,396,682; Mar. 19.
- Aromatics, Separation of polynuclear from mononuclear. J. M. Mavity. 2,395,491; Feb. 26.
- Aromatics with a ferrous chloride catalyst, Alkylation of. L. Schmerling and V. N. Ipatieff. 2,402,847; June 25.
- Aromatizing sulphur-containing hydrocarbons. R. E. Burk and E. C. Hughes. 2,401,334; June 4.
- Aromatizing with consumption of hydrogen. R. E. Burk and E. C. Hughes. 2,405,184; Aug. 6.
- Armor. C. J. Dumais. 2,410,022; Oct. 29.
- Arrangement for axial compressors, Blade. O. Zweifel. 2,406,126; Aug. 20.
- Arrangement for circuit breakers, Control. M. J. Brown and W. R. Taliaferro. 2,394,039; Feb. 5.
- Arrangement for circuit interrupters, Gas cooling. C. H. Ritus. 2,408,352; Sept. 24.
- Arrangement for controlling the power of internal-combustion engines. A. Stieglitz and B. Gartner. 2,396,618; Mar. 12.
- Arrangement for determining and monitoring the duration of electrical pulses. P. K. Chatterjen, C. T. Scully, and D. M. Ambrose. 2,412,963; Dec. 24.
- Arrangement for electric systems, Switching. A. R. van C. Warrington. 2,394,120; Feb. 5.
- Arrangement for generating and observing electric pulses. M. J. Levy and P. W. Elliott. 2,412,996; Dec. 24.
- Arrangement for locator system, Synchronizing. H. Goldberg and W. C. Thompson. 2,405,930; Aug. 13.
- Arrangement for split phase motors, Starter. M. Yuhas. 2,411,405; Nov. 19.
- Arrangement for the distant viewing of radioscopic images. J. Jany. 2,406,143; Aug. 20.
- Arrangement in spirit apparatus for dropping objects from the air. H. Hogdal and J. F. Holmgren. 2,397,354; Mar. 26.
- Arrangement, Reservoir. E. P. Sexton. 2,393,425; Jan. 22.
- Arrestor, Engine exhaust flame. L. A. Williams, Jr. 2,401,806; June 11.
- Arrestor, Lightning. D. D. McCarthy. 2,392,679; Jan. 8.
- Arrestor, member for impulse couplings. H. Schmid and A. P. Hobush. 2,394,939; Feb. 12.

- Arresting gear. C. G. Trimbach. 2,408,354; Sept. 24.
 Arresting hook. C. H. Jolly. 2,404,381; July 23.
 Arsenic and antimony. Preparations of. S. L. Ruskin. 2,395,069; Feb. 19.
 Article assembling. C. D. Knowlton and P. R. Thresh. 2,400,153; May 14.
 Article assembling apparatus. J. S. Stull. 2,393,719; Jan. 29.
 Article Coated. J. J. Brophy. 2,396,313; Mar. 12.
 Article dispenser. F. M. Lightfoot. 2,394,621; Feb. 12.
 Article, Electroformed. E. M. Wise and R. F. Vines. 2,397,583; Apr. 2.
 Article feeding apparatus. B. Edelman and A. L. Pizzi. 2,394,599; Feb. 12.
 Article feeding apparatus. F. Martindell. 2,412,278; Dec. 10.
 Article feeding device. J. R. Meyerhoff. 2,404,648; July 23.
 Article formed of laminated sheet material. I. L. Wilcox. 2,396,358; Mar. 12.
 Article forming apparatus. E. E. Barkstrom and L. Williams. 2,405,485; Aug. 6.
 Article forming apparatus. -R. Jongedij. 2,394,700; Feb. 12.
 Article handling apparatus. C. E. Buchwald. 2,398,205; Apr. 9.
 Article handling apparatus. J. Hekman. 2,393,682; Jan. 29.
 Article handling apparatus. D. H. Mitchell. 2,394,630; Feb. 12.
 Article handling apparatus. G. C. Monaco. 2,404,882; July 30.
 Article handling apparatus. J. T. Muller. 2,394,467; Feb. 5.
 Article handling apparatus. E. Rolker. 2,404,460; July 23.
 Article handling device. C. N. Hay. 2,399,547; Apr. 30.
 Article lifter. R. and W. Wrobbel. 2,393,946; Jan. 29.
 Article made of fibrous material. J. B. Brennan. 2,408,038; Sept. 24.
 Article of footwear. H. L. Sutcliffe. 2,395,767; Feb. 26.
 Article of manufacture. H. C. Couri. 2,392,024; Jan. 1.
 Article or luggage carrier. C. E. Reeves. 2,397,433; Mar. 26.
 Article-positioning mechanism. M. E. Fernald. 2,404,480; July 23.
 Article, Smoker's. J. R. Schultz. 2,397,294; Mar. 26.
 Article transfer mechanism. E. H. Bennett. 2,408,599; Oct. 1.
 Article, transferring mechanism. A. J. Lippold. 2,393,389; Jan. 22.
 Article, Working an. C. C. McCain. 2,401,362; June 4.
 Article working apparatus. C. C. McCain. 2,398,906; Apr. 23.
 Articles, especially antifriction bearing parts, Inspection of. T. A. Olson and J. Klopak. 2,393,705; Jan. 29.
 Articles for use at high temperatures. M. Fleischmann. 2,398,702; Apr. 16.
 Articles, Forging pointed. E. Gaspar. 2,393,155; Jan. 23.
 Articles from fibrous material, Making. J. F. Reeves. 2,398,326; Apr. 9.
 Articles from fibrous material, Manufacturing. B. Jablonsky. 2,407,833; Sept. 17.
 Articles in electrolytic treatment, Handling small. C. T. Elwin. 2,407,145; Sept. 3.
 Articles on conveyors, Accurately spacing. H. H. Rapley. 2,397,044; Mar. 19.
 Articles, Producing strain-free thermoplastic. H. L. Cox. 2,397,471; Apr. 2.
 Artificial eyes, Making. S. O. Noles. 2,394,400; Feb. 5.
 Artificial fibers with dyestuffs of the galloyanine class, Producing fast dyes on. G. de Niederhäusern. 2,411,249; Nov. 19.
 Artificial horizon. D. L. Wood. 2,413,399; Dec. 31.
 Artificial landscape. C. M. Jones. 2,413,633; Dec. 31.
 Artificial limb. L. G. Caron. 2,393,142; Jan. 15.
 Artificial limb and brace. G. A. Hinkle. 2,395,120; Feb. 19.
 Artificial products, Manufacture of. R. R. Sitzler and J. E. Bludworth. 2,394,212; Feb. 5.
 Artificial teeth and other molded articles, Manufacture of. P. W. Lee. 2,392,929; Jan. 15.
 Artificial tooth structures, Production of. J. G. Day. 2,412,207; Dec. 10.
 Artificial wool imitation filaments and artificial wool filaments, Making. H. H. E. Von K. Z. Kornegg. 2,409,437; July 9.
 Arylactonitrile derivatives and their manufacture. F. Bergel, N. C. Hindley, A. L. Morrison, and H. Rinderknecht. 2,398,575; Apr. 16.
 Aryl alkyl amino alkanes and compositions thereof. G. J. Van Zoeren. 2,410,469; Nov. 5.
 Arylamine salts of anthraquinone sulfonic acids as printing aids. R. H. Klenle and C. A. Amick. 2,405,151; Aug. 6.
 Aryl-dicyandiamide production. W. Broadbent and F. L. Rose. 2,409,832; Oct. 22.
 Aryl methyl ketones, Producing. W. S. Emerson. 2,394,674; Feb. 12.
 Aryl sulphenamides, Manufacture of. R. A. Coleman. 2,404,695; July 23.
 Aryl sulphides and products resulting, Hydrogenation of. F. K. Signaigo. 2,402,686; June 25.
 Aryl thiols, Production of. W. A. Lazier and F. K. Signaigo. 2,402,641; June 25.
 Arylides of aromatic ortho-hydroxy carboxylic acids, Preparation of. R. H. Weiss and A. C. Winttingham. 2,410,397; Oct. 29.
 Asbestos to wire, Method and apparatus for applying. K. A. Falconer. 2,410,815; Nov. 12.
 Ascorbates, Stabilized metal. S. L. Ruskin. 2,400,171; May 14.
 Ash receiver. A. Michyeta. 2,410,606; Nov. 5.
 Ash receiver and sifter. E. L. Persons. 2,404,593; July 23.
 Ash remover. W. A. Riddell. 2,393,412; Jan. 22.
 Ash tray. C. F. Hines. 2,404,174; July 16.
 Ash tray. A. G. Wheeler. 2,397,394; Mar. 26.
 Asphalt and asphalt coated roofing compositions, Filled. F. L. Mark. 2,400,563; May 21.
 Asphalt preparation. K. H. Rudd. 2,392,863; Jan. 15.
 Asphaltic compound. A. G. Fewsmith. 2,392,813; Jan. 15.
 Assembling apparatus. G. E. Berggren, E. Bertalan, and A. Logan. 2,404,782; July 30.
 Assembling apparatus. S. G. Johansson. 2,393,780; Jan. 29.
 Assembling apparatus. J. T. Muller. 2,401,176; May 28.
 Assembling apparatus, Article. E. Sirp. 2,404,197; July 16.
 Assembling apparatus, Article. G. Stuhlfauth. 2,394,881; Feb. 12.
 Assembling articles, Method and machine for. J. E. Underwood. 2,405,074; July 30.
 Assembling machine, Can end. J. F. Peters. 2,399,250; Apr. 30.
 Assembling machine, Partition. A. F. Shields. 2,392,005; Jan. 16.
 Assembly, Control quadrant. P. C. Korodi and W. P. McKinnie. 2,401,741; June 11.
 Assembly, Explosive. R. L. Hill. 2,401,641; June 4.
 Assembly for aircraft, Shield. W. H. Hunter. 2,399,186; Apr. 30.
 Assembly for vehicle wheels, Spring. J. C. Junkin. 2,401,568; June 4.
 Assembly, Valve. T. L. Fawick. 2,401,061; May 28.
 Assorting apparatus, Article. R. A. Spraker. 2,402,097; June 11.
 Astronomical device. J. E. Crouch. 2,412,130; Dec. 3.
 Asymmetrical, literary peroxide. F. F. Rust, F. H. Dickey, and E. R. Bell. 2,403,758; July 9.
 Atomic structure of materials, Ascertaining the. F. C. Smith. 2,408,487; Oct. 1.
 Atomizer. H. E. Curry. 2,406,997; Sept. 3.
 Atomizer. F. O. Killorin and D. L. Spender. 2,398,533; Apr. 16.
 Atomizer. A. Limbach. 2,392,600; Jan. 8.
 Atomizer. J. B. Schmitt and A. J. Attinger. 2,398,467; Apr. 16.
 Atmosphere control, Furnace. N. J. Urquhart. 2,408,114; Sept. 24.
 Attaching device, Implement. W. C. Rosenthal and C. A. Hubert. 2,409,516; Oct. 15.
 Attaching device, Propeller spinner. A. C. Chester. 2,394,440; Feb. 12.
 Attaching means for globe valves, Stem. A. J. Weatherhead, Jr. 2,405,476; Aug. 6.
 Attachment for audio receivers. B. A. Alger. 2,408,720; Oct. 8.
 Attachment for bedsteads, Crib. A. S. Waters. 2,406,447; Aug. 27.
 Attachment for binoculars, Variable density filter. C. J. Glasser. 2,408,772; Oct. 8.
 Attachment for boots and overshoes, Vacuum relieving. R. E. Marks. 2,402,334; June 18.
 Attachment for coat hangers. E. R. Ward. 2,398,873; Jan. 23.
 Attachment for cranes, Stabilizer. J. E. Davenport and L. J. Quinn. 2,408,378; Oct. 1.
 Attachment for crawler tractors, Bulldozer grading. W. S. Taylor. 2,402,352; June 18.
 Attachment for drill presses or the like. J. L. Reppa. 2,409,106; Oct. 22.
 Attachment for fishhooks, Weedless. J. S. Engel. 2,402,320; June 18.
 Attachment for fishing lines. D. P. Mercier. 2,397,030; Mar. 19.
 Attachment for front wheels, Jacking. C. F. Carter. 2,413,289; Dec. 31.
 Attachment for goggles and the like, Visor. C. A. Barattelli, C. W. Cochran, R. N. Dockum, and J. E. Guernsey. 2,393,955; Feb. 5.
 Attachment for grinding machines. A. W. Keema. 2,407,835; Sept. 17.
 Attachment for hammers, Adz. L. M. Van Slyke. 2,406,116; Aug. 20.
 Attachment for hoes, Cutting. C. T. Willson. 2,403,893; July 23.
 Attachment for ice skates, Walking-tread. E. J. Carlson. 2,393,394; Feb. 26.
 Attachment for lathes. J. Pigott and N. B. Opheim. 2,408,576; Oct. 8.

- Attachment for lathes and the like. L. G. Hill. 2,394,175; Feb. 5.
- Attachment for loading and transporting materials, Tractor. G. W. Baldwin. 2,393,877; Jan. 29.
- Attachment for looms, Metal type stop motion. J. F. Koskela. 2,409,766; Oct. 22.
- Attachment for neon tubes, Light amplifying. A. A. Goldberg. 2,404,627; July 23.
- Attachment for photographic cameras, Masking. C. H. Duffy. 2,404,366; July 23.
- Attachment for rear wheels, Jacking. C. F. Carter. 2,413,290; Dec. 31.
- Attachment for scales, Machine guide. S. W. Nedela. 2,402,658; June 25.
- Attachment for screw drivers, Screw holding. C. Nygaard. 2,399,138; Apr. 23.
- Attachment for sewing machines, Appliqué. H. R. Prall. 2,394,873; Feb. 12.
- Attachment for sewing machines, Buttonhole. J. Hickey. 2,405,293; Aug. 6.
- Attachment for sharpening razor blades, Holder. P. C. Rhegas. 2,392,264; Jan. 1.
- Attachment for steel tapes. A. G. Peterson. 2,396,877; Mar. 19.
- Attachment for straight edges. J. F. and D. M. Dohrwardt. 2,411,529; Nov. 26.
- Attachment for toilets. J. B. Haley. 2,407,005; Sept. 3.
- Attachment for toothbrushes. H. Singer. 2,394,640; Feb. 12.
- Attachment for tractors. G. E. Cutrer. 2,392,027; Jan. 1.
- Attachment for tractors, Crane. F. P. Lawler. 2,393,916; Jan. 29.
- Attachment for tractors, Dump scoop. F. B. Arps. 2,398,951; Apr. 23.
- Attachment for tractors, Harrow. W. P. Schenkelberg. 2,413,657; Dec. 31.
- Attachment for tractors, Hitch. D. Currie. 2,392,903; Jan. 15.
- Attachment for tractors, Loading. B. F. and F. B. Arps. 2,391,857; Jan. 1.
- Attachment for tractors, Loading. A. F. Holdeman and H. M. Unruh. 2,397,487; Apr. 2.
- Attachment for tractors, Seeder. F. C. Klein. 2,400,646; May 21.
- Attachment for twist drills, Grinding. C. H. Bowman. 2,394,839; Feb. 12.
- Attachment for typewriter machines, Severing. L. C. Antrim and F. Schultz. 2,399,154; Apr. 23.
- Attachment for vehicle clutch pedals. E. J. Snider. 2,399,150; Apr. 23.
- Attachment, Insert. W. M. Kohring. 2,400,647; May 21.
- Attachment, Spotting board. G. C. Shoop and E. L. Tripp. 2,399,576; Apr. 30.
- Attachment, Steering wheel. W. H. Snow. 2,399,580; Apr. 30.
- Attenuator and divider circuits, High-frequency. R. G. Clapp. 2,409,474; Oct. 15.
- Attenuator for ultra high frequency systems. H. R. Meahl. 2,412,055; Dec. 3.
- Attenuator, Ultra high frequency. E. L. Gintzon. 2,407,267; Sept. 10.
- Audience demand meter. J. T. Potter. 2,397,562; Apr. 2.
- Audio reactor. M. Sander. 2,411,810; Nov. 26.
- Audiphone, Bone conduction. W. A. Zarth. 2,402,480; June 18.
- Audiphone, Bone construction. H. Koch. 2,405,433; Aug. 6.
- Auger, Earth. J. C. Jaques. 2,411,627; Nov. 26.
- Auger, Ice. N. M. Berlin. 2,393,282; Jan. 22.
- Auger, Power driven earth. L. E. Beck. 2,400,478; May 21.
- Augmenter, Exhaust thrust. J. G. Lee. 2,401,941; June 11.
- Austenitic chromium-nickel-iron alloy. H. M. German. 2,408,771; Oct. 8.
- Auto charger. W. G. Schinsky. 2,410,527; Nov. 5.
- Auto mirror bracket. H. Golden. 2,411,421; Nov. 1.
- Autostop, Air operated. S. M. Nampa. 2,403,014; July 2.
- Automatic aligning and locking toolholder. T. R. Jones. 2,399,808; May 7.
- Automatic antibackflow valve. L. L. Snyder. 2,392,782; Jan. 8.
- Automatic boiler control system. H. Ziebolz, J. D. McCracken, and D. T. Gundersen. 2,392,300; Jan. 1.
- Automatic brake. C. L. Morris. 2,396,743; Mar. 19.
- Automatic brake adjuster. L. E. Thibault. 2,392,956; Jan. 15.
- Automatic charging means for machine guns. A. I. Ostlund and J. C. Christian, Jr. 2,413,416; Dec. 31.
- Automatic clutch. G. Antos and E. Weber. 2,405,545; Aug. 13.
- Automatic clutch. W. V. Thelerand. 2,406,049; Aug. 20.
- Automatic control. C. F. Ketterling. 2,407,555; Sept. 10.
- Automatic controlling means for aircraft. G. N. Hanson, P. Halpert, and C. A. Frische. 2,392,381; Jan. 8.
- Automatic counter reverse mechanism. H. T. Avery. 2,393,019; Jan. 15.
- Automatic counter reverse mechanism. R. E. Boyden. 2,393,018; Jan. 15.
- Automatic cutoff pump. B. N. Ashton. 2,405,006; July 30.
- Automatic cutoff for neon sign or like circuits. R. J. Leverte. 2,413,327; Dec. 31.
- Automatic cutter. J. R. McLaughlin. 2,407,316; Sept. 10.
- Automatic dilution system control valve. L. T. Miller. 2,408,266; Sept. 24.
- Automatic direction indicator. F. W. Nilson. 2,407,934; Sept. 17.
- Automatic drainage device. C. G. Boone. 2,413,430; Dec. 31.
- Automatic drill press feeder. W. W. Heckethorn. 2,394,769; Feb. 12.
- Automatic electric switch. G. L. McGowan. 2,402,336; June 18.
- Automatic electric toaster compensator for variable voltage current supply. J. R. Gomersall and M. Ireland. 2,412,727; Dec. 17.
- Automatic engine cut-off. C. R. Guinn. 2,400,303; May 15.
- Automatic facsimile telegraph system. G. H. Ridings. 2,396,286; Mar. 12.
- Automatic following system. R. E. Graham. 2,403,975; July 16.
- Automatic frequency control. O. E. Dow. 2,404,568; July 23.
- Automatic frequency control circuit. E. F. McClain, Jr. 2,403,011; July 2.
- Automatic gain control circuit. J. A. Rajchman and E. A. Goldberg. 2,412,423; Dec. 10.
- Automatic gain control circuit. B. S. Vilkomerson. 2,395,770; Feb. 26.
- Automatic gas pressure relief bottle cap. O. N. Leutz. 2,411,216; Nov. 19.
- Automatic gravity safety switch. L. C. Holman. 2,399,350; Apr. 30.
- Automatic gun charger. G. W. Pontius, III, and A. P. Wilson. 2,413,112-13; Dec. 24.
- Automatic hook. G. R. Dempster. 2,404,830; July 30.
- Automatic hydraulic brake. C. A. Green and E. M. Seifert. 2,410,440; Nov. 5.
- Automatic hydraulic clutch. J. L. Landrum. 2,406,612; Aug. 27.
- Automatic indexing mechanism. J. B. Armitage and T. F. Eserkahn. 2,392,964; Jan. 15.
- Automatic leftoff control. Y. H. Kurkjian. 2,396,377; Mar. 12.
- Automatic liquid vendor. J. M. Alexander. 2,394,528; Feb. 12.
- Automatic loading device. F. L. A. Turner. 2,393,432; Jan. 22.
- Automatic lock. A. J. Leonard. 2,412,779; Dec. 17.
- Automatic lock gate. C. Arne. Re. 22,745; Apr. 23.
- Automatic means responsive to quantity of material in discharging receiver for controlling delivery from source. J. L. Michel. 2,408,221; Sept. 24.
- Automatic overhead door. E. N. Rosenberg. 2,402,295; June 18.
- Automatic parachute release coupling. J. M. Porter. 2,400,165; May 14.
- Automatic pattern controlled machine tool. H. P. Kuehnl and N. G. Branson. 2,410,295; Oct. 29.
- Automatic pilot directional turn indicator. B. G. Carlson. 2,413,214; Dec. 24.
- Automatic positioning and welding. G. H. Rendel. 2,412,648; Dec. 17.
- Automatic pressure and temperature control means, Cabin supercharging means having. D. F. Warner and E. L. Auyer. 2,412,071; Dec. 3.
- Automatic reclosing circuit breaker. W. D. Kyle, Jr., and C. Schindler. 2,392,483; Jan. 8.
- Automatic record changer for phonograph. H. V. Alexanderson. 2,392,111; Jan. 1.
- Automatic registering device, Self-serve. M. Rifkin. 2,408,581; Oct. 1.
- Automatic regulating system. R. V. Howard. 2,392,384; Jan. 8.
- Automatic scale. J. L. Christmann. 2,394,593; Feb. 12.
- Automatic scraper for disk harrow. M. F. Seal. 2,413,240; Dec. 24.
- Automatic self-compensating magnetic compass system. W. G. White. 2,393,670; Jan. 29.
- Automatic spark plug cleaner. C. A. Lozensky. 2,397,359; Mar. 26.
- Automatic stoker. E. C. Schneider. 2,393,422; Jan. 22.
- Automatic stokers, Fuel-supply control for. C. E. Shaffer. 2,400,141; May 14.
- Automatic switch. A. W. Vincent. 2,399,962; May 7.
- Automatic telephone dialer. T. W. MacKenzie. 2,391,911; Jan. 1.
- Automatic tension device. H. F. Childers. 2,396,492; Mar. 12.
- Automatic tool block. S. L. Casella and M. G. Himof. 2,392,228; Jan. 1.
- Automatic transmission. R. C. Russell. 2,392,950; Jan. 15.
- Automatic transmission apparatus and control. O. H. Banker. 2,394,580; Feb. 12.
- Automatic type form cabinet. A. W. Cochran. 2,395,961; May 14.
- Automatic unidirectional gear. A. A. Mettett. 2,395,636; Feb. 26.
- Automatic valve. T. A. Cohen. 2,402,732; June 25.
- Automatic valve. E. J. Dillman. 2,409,112; Oct. 8.

- Automatic valve. E. B. Tidd. 2,397,706; Apr. 2.
Automatic variable pump. M. M. Culver. 2,399,990; May 7.
Automatic vehicle. F. A. Watson. 2,410,557; Nov. 5.
Automatic volume control. M. Cawein. 2,400,073; May 14.
Automatic volume control. H. M. Stearns. 2,408,821; Oct. 8.
Automatic volume control circuit. W. J. Poch. 2,402,445; June 18.
Automatic wear compensating ball-and-socket joint. P. B. Burhans. 2,401,814; June 11.
Automatic weighing device. A. Pipping. 2,394,476; Feb. 5.
Automatic weighing scale. B. Cooper. 2,392,023; Jan. 1.
Automatic winch control. K. Mahnke. 2,393,048; Jan. 15.
Automatic work-adjusting C clamp. A. A. Wasilewski. 2,399,714; May 7.
Automatically adjustable wire rope die. W. D. Wiser. 2,413,595; Dec. 31.
Automatically fed furnace. H. W. and A. F. Sanford. 2,393,710; Jan. 29.
Automatically locked fiberboard shipping box. J. G. Huye. 2,412,402; Dec. 10.
Automatically performing wetting operations. G. Bitzer. 2,418,601; Dec. 31.
Automatically retractable landing gear. A. R. Parilla. 2,401,087; May 28.
Automobile. G. Ehrenberg. 2,393,623; Jan. 29.
Automobile door lock. C. O. Larson. 2,397,671; Apr. 2.
Automobile jack. C. C. Craig. 2,408,376; Oct. 1.
Automobile jack. J. M. Turner. 2,396,063; Mar. 5.
Automobile luggage carrier. J. C. A. Cameron. 2,409,103; Oct. 8.
Automobile. Water. J. W. Quinn. 2,399,141; Apr. 23.
Automobile wheel clamp. R. A. Vogt. 2,409,602; Oct. 15.
Automotive brake. W. S. Sacher. 2,400,468; May 14.
Automotive gas tank cover switch. O. E. Olson. 2,407,439; Sept. 10.
Automotive vehicle. J. F. Joy. 2,393,324; Jan. 22.
Auxiliary air heater. G. P. Jackson and W. S. Patterson. 2,396,102; Mar. 5.
Auxiliary gasoline container. R. D. Mayo. 2,405,442; Aug. 6.
Auxiliary jaw electrode holder. E. H. Cushman. 2,402,535; June 25.
Auxiliary wheel and tire carrier. K. C. Clark. 2,399,207; Apr. 30.
Aviation gasoline from normally gaseous hydrocarbons. Preparation of. P. Miller. 2,398,908; Apr. 23.
Awning. D. G. Adelsperger. 2,394,736; Feb. 12.
Awning. W. S. Elliot. 2,395,177; Feb. 19.
Awning. H. Mashmeyer. 2,407,026; Sept. 3.
Awning. W. I. Smith. 2,396,026; Mar. 5.
Awning. Adjustable blind. H. L. Johnson. 2,404,178; July 16.
Axle. G. Spatta. 2,410,133; Oct. 29.
Axle. Drive. B. Griffith. 2,408,926; Oct. 8.
Axle for motor vehicles. Driving. F. B. McClure. 2,408,264; Sept. 24.
Axle. Roller-bearing. T. V. Buckwalter. 2,397,647; Apr. 2.
Azeotropic distillation of aliphatic hydrocarbons having the formulas C_2H_6 and C_2H_4 , from hydrocarbon mixtures comprising same. H. S. Nutting and L. H. Horsley. 2,408,947; Oct. 8.
Azeotropic distillation of methanol from admixture with acrylic esters. C. E. Rehberg. 2,406,561; Aug. 27.
Azeotropic styrene distillation. W. J. Bloomer. 2,398,689; Apr. 16.
Azo compounds. J. B. Dickey and J. G. McNally. 2,397,927; Apr. 9.
Azo derivatives of amino diphenylamines. R. P. Parker and J. J. Denton. 2,392,180; Jan. 1.
Azo-dyes. F. Felix and A. Heckendorn. 2,398,367; Apr. 16.
Azo dyestuffs. R. S. Long. 2,392,167; Jan. 1.
Azo dyestuffs. R. P. Parker and J. J. Denton. 2,394,258; Feb. 5.
Azo dyestuffs containing an N-morpholino-arylide group. Water insoluble. H. W. Grimmel and A. Guenther. 2,408,421; Oct. 1.
Azo dyestuffs. Heterocyclic stilbene. M. Schmid and E. Moser. 2,399,066; Apr. 23.
Azo dyestuffs of the pyrazolone series. E. Moser. 2,399,447; Apr. 30.
Azomethines. H. A. Bruson and T. W. Riener. 2,394,530; Feb. 12.
Baby carriage. F. D. Wood. 2,409,331; Oct. 15.
Baby chair. L. Gottfried. 2,409,622; Oct. 22.
Baby's heat-retaining nursing bottle holder. L. A. Lockwood. 2,399,647; May 7.
Backing pad for abrasive disks. W. Stever. 2,408,163; Oct. 8.
Backwater valve. S. Olson. 2,409,582; Oct. 15.
Bacon hanger. S. M. Tommello. 2,412,233; Dec. 10.
Bacteria. Disinfection and destruction of. R. Müller. 2,394,325; Feb. 5.
Bacterial processes. J. L. Stokes. 2,406,174; Aug. 20.
Bacteriological treatment of fluid-bearing earth formations. C. E. Zobell. 2,413,278; Dec. 24.
Badge, Campaign. J. B. Palmer. 2,408,224; Sept. 24.
Badge, Identification. E. H. Land. 2,397,272; Mar. 26.
Bag. See.
Burial bag. Paper bag.
Combined hand and shop-
ping bag. Reversible bobbin receiving bag.
Garment bag. Tripod golf bag.
Hot-water bag. Valved bag.
Ordnance powder bag.
Bag. C. V. Brady. 2,392,221; Jan. 1.
Bag. C. V. Brady. 2,406,660; Aug. 27.
Bag and making same. H. A. Rohdin. 2,401,110; May 7.
Bag and making same, Double-ended. H. A. Rohdin. 2,401,109; May 28.
Bag cleaning machine. L. Burwick and J. J. Springer. 2,398,356; Apr. 16.
Bag filling device. E. W. Vredenburg. 2,392,204; Jan. 1.
Bag filling, weighing, and discharging apparatus. Valve. W. R. Peterson. 2,408,225; Sept. 24.
Bag for cycles, Double luggage. S. Shapiro. 2,405,744; Aug. 13.
Bag for garbage and the like. J. M. Glass. 2,394,335; Feb. 5.
Bag having a burlap sampling zone, Paper. P. A. Frizione. 2,410,282; Oct. 29.
Bag. Insulation. L. B. Eaton. 2,406,137; Aug. 20.
Bag manufacture. C. E. Gardner. 2,412,501; Dec. 10.
Bag structure and manufacture. C. V. Brady and R. J. Williams. 2,409,100; Oct. 8.
Bag supporting device. L. B. Eaton. 2,394,901; Feb. 12.
Bag with ends, Closing. W. J. Geimer and F. R. Linda. 2,409,621; Oct. 22.
Bag with insoluble automatic fold closing. A. Rambold. 2,409,314; Oct. 15.
Bags, Making fluid-tight. H. F. Waters. 2,392,206; Jan. 1.
Bailer and dump, Combined. W. W. Alkire. 2,399,844; May 7.
Bailer, Dumping. G. L. Matson. 2,398,752; Apr. 16.
Ballout interlock connection. W. J. Jacobsson, J. A. Hoffman, and S. R. Oldham. 2,397,265; Mar. 26.
Bait, Collapsible artificial. A. J. Lauby. 2,392,677; Jan. 8.
Baking batters. R. L. Lloyd and B. F. Buchanan. 2,394,791; Feb. 12.
Balance. J. Kistinger. 2,401,487; June 4.
Balance. Sash. A. Viehweger. 2,398,456; Apr. 16.
Balance, Sedimentation. N. Obenshain and W. M. Welton. 2,397,038; Mar. 19.
Balance unit and a basic posture balance process. C. O. Garber. 2,398,218; Apr. 9.
Balancing wheel. M. Maistre. 2,411,444; Nov. 19.
Balanced hydraulic clutch. R. Chilton. 2,399,853; May 7.
Balanced modulator system. H. Toomim. 2,399,586; Apr. 30.
Balanced pressure switch. R. L. Williams. 2,412,377; Dec. 10.
Balancing machine. T. C. Van Degriest. 2,405,474; Aug. 6.
Balancing Method and apparatus for. A. L. M. A. Rouy. 2,399,255; Apr. 30.
Baler. D. Johnston. 2,400,555; May 21.
Baler. S. D. Russell. 2,411,467; Nov. 19.
Baler, Hay. W. J. Jutte. 2,402,230; June 18.
Baler, Hydraulically controlled. E. B. Nolt. 2,396,720; Mar. 19.
Baler, Rotary. P. H. Harrer and C. H. Roth. 2,410,159; Oct. 29.
Baling means. S. D. Russell. 2,413,522; Dec. 31.
Baling method. A. N. Weeks. 2,402,476; June 18.
Balking ring clutch. C. D. Peterson and A. H. Deimel. 2,392,762; Jan. 8.
Balking ring clutch. C. D. Peterson and A. H. Deimel. 2,394,098; Feb. 5.
Ball bearing. G. H. Thurston. 2,396,623; Mar. 12.
Ball. Bowling. R. R. Dietz and H. Reitsma. 2,393,026; Jan. 15.
Ball. Bowling. J. G. Hubbard. 2,393,908; Jan. 29.
Ball forming mill. D. E. Wells. 2,409,649; Oct. 22.
Ball game. Bounce. L. Z. Flebanek. 2,404,652; July 23.
Ball-winding machine. J. R. Gammeter. 2,405,552; Oct. 1.
Ballast block. C. C. Ahles. 2,409,094; Oct. 8.
Balloon, Kite. D. C. Jalbert. 2,398,744-5; Apr. 16.
Balloon sealing device. A. E. Windsor. 2,396,906; Mar. 19.
Balloon, Signal. A. Y. Leslie. 2,395,006; Feb. 19.
Balloon valve. L. V. Isom and E. E. Habib. 2,403,801; July 9.
Balloons, Making. J. A. Hagen, E. L. Gregor, and L. Pendergast. 2,409,486; Oct. 15.
Balls, Molding. C. V. Firth. 2,411,873; Dec. 3.
Balsa slices, Producing. D. Newmark and W. Kramer. 2,409,785; Oct. 22.
Band and protector. 2,408,244; Sept. 24.
Band for armatures. C. Lynn. 2,397,187; Mar. 26.
Band for exhaust manifold systems, Joint. R. I. Markey. 2,409,576; Oct. 15.
Band for pies and the like, Cover holding. W. Ehrlich. 2,404,776; July 30.

- Band, Flexible. A. Blumstein. 2,392,115; Jan. 1.
 Band pass wave filter. W. E. Bradley. 2,404,270; July 16.
 Band-apply device. N. T. Bruber. 2,393,506; Jan. 22.
 Band, Vibrating headphone. L. Thompson. 2,395,356; Feb. 19.
 Bandage, Cheese. R. C. Whitman. 2,396,905; Mar. 19.
 Bandage, Finger. R. Beckerman. 2,407,735; Sept. 17.
 Bandage machine, Plaster. J. R. Fava. 2,405,577; Oct. 1.
 Bandage, Plaster. J. F. Ryan. 2,402,779; June 25.
 Banding machine. C. T. Walter and L. R. Newton. 2,409,724; Oct. 22.
 Banding machine. E. R. Workman. 2,409,652; Oct. 22.
 Banding means. R. G. Krasberg. 2,409,128; Oct. 8.
 Bands, Making composite. N. M. Campbell. 2,403,786; July 9.
 Bank, Coin register. J. D. Stiriss. 2,392,424; Jan. 8.
 Bank control, Automatic. B. G. Carlson. 2,405,015; July 30.
 Bank protector. G. W. Young. 2,409,007; Oct. 8.
 Bank, Savings. P. B. Allen. 2,393,729; Jan. 29.
 Bank, Selector terminal. G. Deakin. 2,406,002; Aug. 20.
 Bar: See—
 Aligning bar. Service ribbon bar.
 Boring bar. Sine bar.
 Carriage chuck and boring bar. Skip bar.
 Grate bearer bar. Spacer bar.
 Rolled tooth bar. Spring bar.
 Vehicle draw bar.
 Bar and making the same, Reinforcement. J. D. Stites. 2,405,274; Aug. 6.
 Bar construction, Electric bus. L. W. Cole and H. Jensen. 2,400,223; May 14.
 Bar for carbon carriers. W. E. Oliver. 2,393,555; Jan. 22.
 Bar for coke ovens or the like, Leveling. R. K. Millard. 2,399,281; Apr. 30.
 Bar, grizzly, Vibrating. W. M. Kranz and R. M. Murray. 2,396,954; Mar. 19.
 Bar or faller for gill-drawing machines, Gill. W. Holdsworth. 2,409,565; Oct. 15.
 Bar or the like, Collapsible. J. A. English. 2,411,620; Nov. 26.
 Barrack, Dismountable. E. Beaud. 2,412,242; Dec. 10.
 Barrel, Pressure core. B. W. Sewell. 2,412,915; Dec. 17.
 Barrier, Fuel. A. Hersherberger. 2,412,148; Dec. 3.
 Bar-swaging machine, Power-driven. A. P. Newall. 2,410,742; Nov. 5.
 Bar system, Bus. E. T. Carlson. 2,411,128; Nov. 12.
 Bars and welt rods in flat knitting machines, Mechanism for setting up. F. M. Wachtler and D. G. Trutner. 2,401,531; June 4.
 Bars, Drive for threaded. L. C. Hardsgood. 2,401,757; June 11.
 Bars, Rolling metal. G. L. Fisk. 2,400,690; May 21.
 Barbecue machine. V. E. Brunamonti. 2,399,163; Apr. 30.
 Barbituric compounds. S. M. McElvain and H. Burkett. 2,394,195; Feb. 5.
 Barre, Gasoline. J. D. Rauch. 2,397,155; Mar. 26.
 Barge, Nonrigid. W. E. Scott. 2,391,926; Jan. 1.
 Barium bromate impression material. H. van B. Joy. 2,397,143; Mar. 26.
 Barium chromate pigments and preparing the same. J. D. Todd. 2,400,272; May 14.
 Barium salts of cyclic-aliphatic ether alcohols, Preparation of. J. R. Morris. 2,411,586; Nov. 26.
 Barker, Log. J. Ockfen. 2,401,500; June 4.
 Barometric fuel valve. D. F. Warner. 2,408,836; Oct. 8.
 Barrel, Side wall core. E. B. Williams, Jr. 2,401,893; June 11.
 Barrel storage rack. W. F. Zabriskie. 2,406,937; Sept. 3.
 Barrel, Tumbling. L. R. Davidson. 2,393,615; Jan. 29.
 Barrel, Tumbling. G. B. Hogaboom. 2,394,450; Feb. 5.
 Barrels, Forming firearm. G. A. Woody. 2,413,022; Dec. 24.
 Barricade traversing device for motor vehicles. R. B. Robeck. 2,393,655; Jan. 29.
 Barrier, Yielding. E. D. Sawyer. 2,397,330; Mar. 26.
 Base and harbor, Floating naval. F. N. Nelson. 2,408,871; Oct. 8.
 Base and socket, Lamp. A. B. Oday. 2,403,114; July 2.
 Base construction for a mast and derrick. W. C. Scrivener and A. G. Brewer. 2,413,658; Dec. 31.
 Base, Flying boat. A. Gouge. 2,399,483; Apr. 30.
 Base for electric lamps and similar devices. E. B. Noel. 2,401,228; May 28.
 Base for electric lamps or similar articles. A. Greiner. 2,392,061; Jan. 8.
 Base for electric lamps or similar devices. I. H. Van Iffern. 2,406,271; Aug. 29.
 Base for machinery and the like, Skid. A. R. Maier. 2,395,415; Feb. 26.
 Base for milling machines, Machine. W. Melin. 2,398,239; Apr. 9.
 Base, Lamp. H. K. Richardson. 2,407,098; Sept. 24.
 Base, Lamp. H. B. Thomas. 2,392,785; Jan. 8.
 Base, Receptacle. W. J. Gleisner. 2,404,485; July 23.
 Base, Standard molding. I. T. Quarnstrom. 2,398,893; Apr. 23.
 Baseball base. J. P. Corbett. 2,405,492; Aug. 6.
 Basin for blast furnace cinder runners, Settling. H. F. Dobscha. 2,409,741; Oct. 22.
 Basket. L. L. Mitchell. 2,407,507; Sept. 10.
 Basket, Cement. J. E. Hall. 2,392,145; Jan. 1.
 Basket, Foldable bottle. A. E. Struensee. 2,398,166; Apr. 9.
 Basket handle. D. A. Larkin. 2,405,310; Aug. 6.
 Basket, Trundle. C. H. Norton. 2,409,786; Oct. 22.
 Bassinet. J. W. Born. 2,401,605; June 4.
 Basting device, Automatic. J. J. Getgey and C. H. Kruea. 2,400,405; May 14.
 Bat, Baseball. S. Janis. 2,394,184; Feb. 5.
 Bat, Insulating. J. H. Nootens. 2,409,951; Oct. 22.
 Batch distillation. G. T. Atkins, Jr. 2,405,393; Aug. 6.
 Bath for ferrous metals, Pickling. A. D. Johnson. 2,406,379; Aug. 27.
 Bath for heat treatment and rectifier therefor, Salt. A. F. Holden and H. Solakian. 2,394,777; Feb. 12.
 Bathroom unit. R. Evans. 2,396,992; Mar. 19.
 Baths combined or associated with lavatory basins. P. Nuckey and R. J. Scott. 2,395,752; Feb. 26.
 Baths, Heat-treatment. A. F. Holden. 2,400,511; May 21.
 Bathtub. L. A. Falco. 2,407,738; Sept. 17.
 Bathtub. H. Gruen. 2,396,885; Mar. 19.
 Bathymograph and sea sampler. A. F. Spilhaus. 2,396,724; Mar. 19.
 Batteries, Filling and venting structure for storage. J. L. Woodbridge. 2,401,148; June 4.
 Battery. D. L. Harford. 2,403,034; July 30.
 Battery. F. A. Keller. 2,411,272; Nov. 19.
 Battery cable. J. Taylor. 2,399,836; May 7.
 Battery charging and voltage regulating system. K. Mulderheim. 2,398,845; Apr. 23.
 Battery charging system. C. T. Corning. 2,395,038; Feb. 19.
 Battery, Dry. M. Lang and H. R. Dam. 2,410,826; Nov. 12.
 Battery, Electric storage. F. Schneider. 2,394,333; Feb. 12.
 Battery handle connector lock. J. B. Hart. 2,400,351; May 14.
 Battery holder. R. C. Casanov. 2,397,469; Apr. 2.
 Battery lead, Salvaging. H. A. Alpert. 2,398,275; Apr. 9.
 Battery overcharge protector. J. A. Taylor and M. A. Knight. 2,402,695; June 25.
 Battery pack. H. C. Rose. 2,396,534; Mar. 12.
 Battery, Regenerative coke oven. F. Wethly. 2,407,356; Sept. 10.
 Battery removing tool. G. E. Falk. 2,395,998; Mar. 5.
 Battery servicing. J. J. Williams. 2,412,932; Dec. 17.
 Battery, Storage. J. Anderson. 2,395,652; Feb. 26.
 Battery, Storage. W. W. Smith. 2,409,964; Oct. 22.
 Battling, Composite. H. B. Rich. 2,398,159; Apr. 9.
 Battling, Making resilient. C. M. Clevenger and L. B. Steele, Jr. 2,402,532; June 25.
 Beach gear. O. E. Tormollan, Jr. 2,392,786; Jan. 8.
 Beacon, Course. E. Labin. 2,407,287; Sept. 10.
 Beacon, Glide path. A. Alford. 2,406,734; Sept. 3.
 Beacon, Radio. C. W. Earp. 2,394,157; Feb. 5.
 Beacon, Radio. W. D. McGuigan. 2,400,127; May 14.
 Beacon system. L. Himmel. 2,412,986; Dec. 24.
 Beacon system, Equisignal radio. W. J. O'Brien. 2,407,324; Sept. 10.
 Bead, Gel. M. M. Mariste and A. C. Schmitt. 2,408,986; Oct. 8.
 Bead lock. J. E. Hale. 2,393,494; Jan. 22.
 Bead lock. F. Herzegh. 2,400,930; May 28.
 Bending and expanding tool and method, Tube. K. C. Bugg and H. L. Hart. 2,405,399; Aug. 6.
 Beam assembly, Weigh. J. A. McCulloch and N. R. Slasor. 2,407,435; Sept. 10.
 Beam construction, Rolling hatch. J. A. Crocker, Jr. 2,398,289; Apr. 9.
 Beam device, Electron. A. L. Samuel. 2,403,025; July 2.
 Beam for hay stackers, Laminated. G. D. Moody. 2,392,760; Jan. 8.
 Beam resonator tube. J. R. Pierce. 2,394,008; Feb. 5.
 Beam splitters. S. M. McNeill. 2,403,731; July 9.
 Beam structure, Walking. R. G. De La Mater. 2,408,200; Sept. 24.
 Beam, Warp. S. N. McCaslin. 2,393,649; Jan. 29.
 Beam, Warp. O. V. Payne. 2,406,434; Aug. 27.
 Beam with warp holding means, Warp. O. V. Payne. 2,406,435; Aug. 27.
 Beam snipping machine. W. A. Finley. 2,393,461; Jan. 22.
 Bennis, Drying navy. R. M. Schaffner. 2,402,676; June 25.
 Bearer or support for temporary or permanent use in building construction, Extendible. B. W. Fromson. 2,403,853; July 9.
 Bearing: See—
 Adjustable propeller shaft bearing. Lubricated shaft bearing.
 Bearing. Resilient bearing.
 Antifriction bearing. Roller bearing.
 Ball bearing. Shaft bearing.
 Combined thread and spindle bearing.
 Rubber bearing. Truck side bearing.
 Instrument bearing.
 Bearing. O. D. H. Bentley. 2,407,807; Sept. 17.
 Bearing. L. P. Crozman. 2,410,719; Nov. 5.
 Bearing. H. Frauenthal. 2,399,669; May 7.

- Bearing. W. R. Freeman. 2,406,069; Aug. 20.
 Bearing. A. A. Griffith. 2,403,176; July 2.
 Bearing. F. R. Hensel. 2,393,905; Jan. 29.
 Bearing. J. D. Klinger. 2,404,255; July 16.
 Bearing. J. R. Norton. 2,404,084; July 16.
 Bearing. W. F. Pittman. 2,399,889; May 7.
 Bearing. F. W. Side. 2,400,028; May 7.
 Bearing. R. D. Smealie. 2,405,799; Aug. 13.
 Bearing. J. C. Tarbell and J. H. Conant. 2,393,203; Jan. 15.
 Bearing adjusting means. F. V. Cook and J. R. Polston. 2,403,171; July 2.
 Bearing and making the same, Rod end. L. R. Helm. 2,400,506; May 21.
 Bearing and seal construction. T. L. Callahan and J. Weaver. 2,402,927; Nov. 12.
 Bearing assembly. J. Boyd and R. A. Bice. 2,393,017; Jan. 15.
 Bearing assembly. W. W. Camp. 2,392,807; Jan. 15.
 Bearing assembly. P. R. Wheeler. 2,404,420; July 23.
 Bearing assembly, Self-aligning. J. E. Shafer. 2,397,164; Mar. 26.
 Bearing assembly, Shaft. J. A. Newton and N. Hoertz. 2,406,891; Sept. 3.
 Bearing, Ball. J. J. Rozner. 2,403,460; July 9.
 Bearing construction. G. P. Lessmann. 2,409,874; Oct. 22.
 Bearing, Expanded metal load. W. E. Mack. 2,408,082-3; Sept. 24.
 Bearing for dynamos. C. E. Guertin. 2,393,900; Jan. 29.
 Bearing mounting. E. G. Boden. 2,407,532; Sept. 10.
 Bearing removing tool. C. L. Thompson. 2,406,445; Aug. 27.
 Bearing support. T. G. Myers. 2,406,505; Aug. 27.
 Bearing surface for tapered rotary valves of engines and pumps. F. M. Aspin. 2,403,165; July 2.
 Bearings, Making. E. B. Etchells. 2,403,645; July 9.
 Bearings, Making. F. J. Lovey. 2,404,808; July 30.
 Be-Cu alloys, Working and treating. M. J. Donachie. 2,412,447; Dec. 10.
 Bed and crib, Combined. G. M. Parsons. 2,412,005; Dec. 3.
 Bed attachment. J. A. Wolfe. 2,401,999; Jan. 11.
 Bed, Chair. L. Arzt. 2,407,864; Sept. 17.
 Bed couch, Folding. A. Krakauer. 2,397,017; Mar. 19.
 Bed, Folding doll. A. M. Hambacher. 2,406,496; Aug. 27.
 Bed, Hospital. O. Mehr. 2,407,892; Sept. 17.
 Bed lamp. P. W. Nettesheim. 2,406,029; Aug. 20.
 Bed or camp stretcher, Folding. A. Calder. 2,394,981; Feb. 19.
 Bed, Sofa. G. H. McKeown and H. Wissmiller. 2,412,628; Dec. 17.
 Bedspring. C. J. Elder. 2,405,296; Aug. 6.
 Bed springs bracket. J. Zatzkin. 2,394,352; Feb. 5.
 Bed table unit. J. H. Dyett and B. A. Doty. 2,393,598; Jan. 29.
 Bed-type chair. L. M. Leavitt. 2,411,278; Nov. 19.
 Bedding for infants' cribs. E. J. Weisel. 2,404,935; July 30.
 Beer, Fermentation of. S. T. Clarke. 2,393,518; Jan. 22.
 Bell for blast furnaces. A. Mohr, Jr., and J. P. Grilli. 2,398,586; Apr. 16.
 Billet nicking machine. D. L. Smith. 2,413,117; Dec. 24.
 Bellows accumulator, Metal. B. N. Ashton. 2,411,315; Nov. 19.
 Belt. A. L. Freedlander. 2,392,373; Jan. 8.
 Belt. D. C. Lippmann. 2,396,329; Mar. 12.
 Belt. A. Saller. 2,410,759; Nov. 5.
 Belt. F. G. Skeehan. 2,403,817; July 9.
 Belt and stockings for aviators. Acceleration. I. R. Versoy and L. H. Loeffel. 2,397,710; Apr. 2.
 Belt, Conveyor. E. F. Toews. 2,400,667; May 21.
 Belt conveyor drive. R. Peterson. 2,393,563; Jan. 22.
 Belt, Driving. E. F. Gingras. 2,397,313; Mar. 26.
 Belt, Driving. E. F. Gingras. 2,405,496; Aug. 6.
 Belt, Dual intersecting wire tube. M. A. Crosby. 2,411,027; Nov. 12.
 Belt, Expandable. S. Segal. 2,400,844; May 21.
 Belt, Garment. L. W. Foster. 2,405,647; Aug. 13.
 Belt or the like, Aviator's. I. R. Versoy and L. H. Loeffel. 2,397,709; Apr. 2.
 Belt processing machine. O. F. Goepfert. 2,392,817; Jan. 15.
 Belt sander, Double. D. Doherty. 2,411,085; Nov. 12.
 Belt tightener, Automatic. V. J. Laymon. 2,395,332; Feb. 19.
 Belt type polishing machines, Backing wheel for. B. F. Fowler. 2,402,131; June 18.
 Belt, V-type. E. E. Brunner. 2,404,271; July 16.
 Belting. W. Lord and H. Riding. 2,401,260; May 28.
 Bench, Draw. E. Knudsen and H. H. Talbot. 2,391,908; Jan. 1.
 Bench, Restaurant-booth. D. Resnick. 2,400,167; May 14.
 Bender for rolled-up metal strip. T. Sato. 2,399,892; May 7.
 Bending apparatus. A. H. Zeitz. 2,406,182; Aug. 20.
 Bending machine. F. K. Kirsch. 2,400,151; May 14.
 Bending machine. R. M. Shaw, Jr. 2,413,523-4; Dec. 31.
 Bending machine, Pipe. C. E. Lampe, Sr. 2,405,750; Aug. 13.
 Bending mechanism. F. Hobbs. 2,399,348; Apr. 30.
 Benzene, Alkylation of. E. N. Rosenquist and R. W. Sudlow. 2,403,124; July 2.
 Benzene, Producing ethyl. R. M. Shepardson. 2,404,104; July 16.
 Benzol scrubber. J. P. Liptak. 2,413,238; Dec. 24.
 Benzyl methyl acetoacetic methyl ester, Synthesis of isomer-free. A. C. Elisik, L. Nicholl, and W. P. Bitler. 2,413,493; Dec. 31.
 Berth arrangement, Auxiliary. L. A. Lutherman and E. L. Thompson. 2,410,173; Oct. 29.
 Beryl, Treatment of. M. H. Furland. 2,399,178; Apr. 30.
 Beryllium sulphate, Recovering. B. R. F. Kjellgren. 2,408,934; Oct. 8.
 β -alanine by reduction of cyanoacetic acid, Preparation of. Beta-alkyl-thio acrolein mercaptals. J. D. Kendall and H. D. Edwards. 2,412,814; Dec. 17.
 Beta-amino, beta-propyl glutaronitriles and preparing them. R. O. Norris. 2,409,061; Oct. 8.
 β -dimethylaminoethylaminoethyl ester of benzoic acid and its acid addition salts. F. F. Blicke. 2,401,219; May 28.
 Beta-halo acyl halides. T. L. Gresham and F. W. Shaver. 2,411,875; Dec. 3.
 β -phenyl, β -alkyl isopropyl amines. F. P. Nabenbauer. 2,394,092; Feb. 5.
 Beta-picoline, Recovery of pure. G. Riethof. 2,402,667; June 25.
 β -substituted homologues of indole, Preparation of. R. Robinson, R. H. Cornforth, and T. F. West. 2,407,452; Sept. 10.
 β -thiocyano ketones and their preparation. H. A. Bruson. 2,395,453; Feb. 26.
 Bevel, level, and protractor instrument. W. Thomas. 2,399,303; Apr. 30.
 Beveling machine. N. B. Jones. 2,401,486; June 4.
 G. H. Carlson. 2,401,547; June 4.
 Beverage bottle carrier. M. Fox. 2,406,756; Sept. 3.
 Beverage bottle case. T. Vechey, Jr. 2,411,673; Nov. 26.
 Beverage concentrates and preparing same. R. Perech. 2,395,562; Jan. 22.
 Beverage container. L. J. Humbert. 2,392,479; Jan. 8.
 Beverage container and dispenser. L. Samel. 2,400,955; May 28.
 Beverage dispensing apparatus. A. S. Levin. 2,395,932; Mar. 5.
 Beverages, Manufacture and bottling of carbonated milk. H. Griesbeck. 2,394,303; Feb. 5.
 Bicycle attachment, Convertible. C. R. Kutli. 2,391,982; Jan. 1.
 Bicycle carrier. F. W. Schwin. 2,409,395; Oct. 15.
 Bicycle, Motor. G. F. Murphy. 2,409,857; Oct. 22.
 Bicycle, Powered. T. G. Hare. 2,397,858; Apr. 2.
 Bicycle seat. G. Lively. 2,406,783; Sept. 3.
 Bicyclic carbonylic compounds and their preparation, Unsaturated. R. C. Morris and E. C. Shokal. 2,407,508; Sept. 10.
 Bifocal spectacles, Vertically adjustable. J. S. Zell. 2,410,141; Oct. 29.
 Bifold canopy door. R. S. Mehard. 2,393,052; Jan. 15.
 Bilge and tank washer and jet pump, Combined. C. A. Winslow. 2,404,202; July 16.
 Billet charging mechanism. F. B. Crosby. 2,397,339; Mar. 26.
 Billet nicking machine. A. H. Yoch. 2,404,019; July 16.
 Billet scarfing method and apparatus. J. L. Anderson. 2,409,654; Oct. 22.
 Billfold. J. C. Davio. 2,403,507; July 9.
 Billfold, pocket secretary, and the like. P. L. Ogden. 2,397,968; Mar. 26.
 Billfold, Secret pocket. H. I. Thomas. 2,405,379; Aug. 6.
 Bimetallic billets, Making. W. L. Keene. 2,395,878; Mar. 5.
 Bimetallic billets, Treatment of. F. A. Egan. 2,409,422; Oct. 15.
 Bimetallic products and manufacture thereof. W. L. Keene. 2,395,877; Mar. 5.
 Bimetallic products, Making. F. R. Frost, A. L. Frost, and E. F. Potter. 2,413,317; Dec. 31.
 Bin, Coffee. D. M. McBean. 2,406,886; Sept. 3.
 Binder, Alkali-resistant. I. M. Bernstein. 2,401,898; June 11.
 Binder, H. Thomsen. 2,413,157; Dec. 24.
 Binder for containing a text book and note sheets. N. R. Atwood. 2,406,785; Sept. 3.
 Binder for stationery sheets. H. Feldmann. 2,409,426; Oct. 15.
 Binder, Loose-leaf. G. H. Dawson and P. O. Unger. 2,403,851; July 9.
 Binder, Loose-leaf. A. Freundlich. 2,413,616; Dec. 31.
 Binder, Loose-leaf. E. Murphy. 2,399,561; Apr. 30.
 Binders, Producing loose-leaf. E. Hazel, Jr. 2,396,008; Mar. 5.
 Binding element. C. E. Emmmer. 2,407,656; Sept. 17.
 Binding for platform soles, Shoe. H. Pecker. 2,409,892; Oct. 22.
 Binding, Ski. L. Beerli. 2,400,065; May 14.
 Binding-strap, Applying metal. R. F. McMahan. 2,407,090; Sept. 3.

- Binocular. G. Kende. 2,392,154; Jan. 1.
 Binocular prisms, Producing. H. S. Tenny. 2,393,073; Jan. 15.
 Binoculars. W. J. Russell. 2,393,339; Jan. 22.
 Biotin intermediate. W. I. Patterson and J. V. Karabinos. 2,400,436; May 14.
 Bird figure and the like. J. F. Buffenbarger. 2,395,247; Feb. 19.
 Birthday cake candle holder. M. H. Koretzky. 2,406,777; Sept. 3.
 Bisdimethylene thuram polysulphides. R. A. Mathes and P. C. Jones. 2,407,363; Sept. 10.
 Bisulphide, Making carbon. J. M. Avery and L. F. Marek. 2,392,629; Jan. 8.
 Bis sulphonamides of naphthol sulphonyl chlorides with aromatic diamines. A. B. Jennings. 2,395,484; Feb. 28.
 Bisureas. W. R. Boon. 2,398,283; Apr. 9.
 Bit: See—
 Diamond drill bit. Mining machine bit.
 Hackamore bit.
 Bit. G. W. Hall, R. F. Sens, and M. A. Furth. 2,411,209; Nov. 19.
 Bit and holder therefor, Coal cutting. F. L. Fulke. 2,396,945; Mar. 19.
 Bits, Method and apparatus for making. F. L. Fulke. 2,403,681; July 9.
 Bituminous composition and manufacturing the same. W. P. Fair, Jr. 2,395,041; Feb. 19.
 Bituminous composition containing mineral aggregates. J. F. T. Blott and P. Alexander. 2,407,470; Sept. 10.
 Bituminous compositions. J. C. Best, R. N. Traxler, and H. E. Schweyer. 2,400,067; May 14.
 Bituminous compositions. R. H. Cubberley and F. W. Yeager. 2,408,297; Sept. 24.
 Bituminous material, Treatment of. L. Auer. 2,396,669; Mar. 19.
 Bituminous paved surface and making the same. H. P. Pearson. 2,411,634; Nov. 26.
 Bituminous roofing material. G. A. Fasold and H. W. Greider. 2,392,239; Jan. 1.
 Bladder, Accumulator. N. deKiss. 2,397,248; Mar. 26.
 Blade adjusting means. J. E. Anderson. 2,396,630; Mar. 19.
 Blade and making same, Diamond charged saw. T. Longbotham. 2,408,148; Sept. 24.
 Blade and package, Protected. J. Muros. 2,406,242; Aug. 20.
 Blade assembly, Contact. W. P. Herman. 2,406,144; Aug. 20.
 Blade, Doctor. V. Carlsen and A. Heinrich. 2,404,689; July 23.
 Blade, Lawn mower. W. H. Phelps. 2,403,236; July 2.
 Blade magazine. N. Testi. 2,409,400; Oct. 15.
 Blade phase and constant speed synchronizer for multiple motor aircraft. W. S. Hoover. 2,410,659; Nov. 5.
 Blade, Propeller. L. H. Enos. 2,405,022; July 30.
 Blade, Reinforced propeller. L. H. Enos. 2,406,457; Aug. 27.
 Blade, Reinforced propeller. J. H. McKee. 2,406,471; Aug. 27.
 Blade, Rotor. H. H. Platt and W. L. Le Page. 2,412,908; Dec. 17.
 Blade structure, Making welded. R. C. Allen. 2,392,281; Jan. 1.
 Bladed machine element. A. Howard. 2,412,615; Dec. 17.
 Blades for exhaust turbines, Manufacture of. G. Zellbeck and A. Müller. 2,394,353; Feb. 5.
 Blades, Making tool. R. Harte. 2,410,784; Nov. 5.
 Blades, Manufacturing safety razor. L. A. Young. 2,409,604; Oct. 15.
 Blades, Sharpening safety razor. E. A. Brooke. 2,397,644; Apr. 2.
 Blanching machine, Nut. H. P. Curlee. 2,405,292; Aug. 6.
 Blank, Carton. R. A. Lambert. 2,411,134; Nov. 12.
 Blank feeding mechanism. R. E. J. Nordquist. 2,395,496; Feb. 26.
 Blank for induction heating heads. H. E. Somes. 2,411,699; Nov. 26.
 Blanks for cans from long and wide metal stock, Making strip. R. W. Messenger. 2,406,155; Aug. 20.
 Blanks for use in the manufacture of sliders for slide fasteners. M. Voity and G. A. Griffiths. 2,409,966; Oct. 22.
 Blanket and preparing same, Hectograph. R. C. Bour. 2,407,395; Sept. 10.
 Blanket, Electric. W. K. Kearsley. 2,403,803; July 9.
 Blanket, Electrically heated. W. Bradford. 2,400,735; May 21.
 Blanket, Electrically heated. E. C. Taylor. 2,395,152; Feb. 19.
 Blanket securing mechanism, Printing cylinder. A. Braunworth. 2,409,536; Oct. 15.
 Blankets, Making. M. A. Sterner. 2,395,917; Mar. 5.
 Blankets, Making insulating. W. B. Byers. 2,406,801; Sept. 3.
 Blankets, Repairing skin. A. G. Dean. 2,412,972; Dec. 24.
 Blast furnace. G. A. Whitehurst. 2,396,976; Mar. 19.
 Blasting apparatus, Sand. W. Stark and A. P. Gately. 2,409,722; Oct. 22.
 Blasting circuit leads, Separation of. J. O. Parr, Jr. 2,407,442; Sept. 10.
 Blasting plug. B. L. Lubelsky and W. R. Walburn. 2,403,360; July 2.
 Blasting unit and short-circuiting device. J. V. Hammond and D. J. Keenan. 2,407,605; Sept. 10.
 Bleaching and sterilizing starch. G. P. Vincent. 2,409,084; Oct. 8.
 Blind. E. T. Brown. 2,395,096; Feb. 19.
 Blind. S. G. Isserstedt. 2,407,554; Sept. 10.
 Blind adjusting means. Venetian. G. W. Kirsch. 2,405,153; Aug. 6.
 Blind and adjustable selflocking detachable fastener for cord ends. Venetian. J. Gulas, Sr. 2,400,198; May 14.
 Blind and hit detector, Automatic. C. G. Hieronymus, G. H. Ridings, and R. J. Wise. 2,410,442; Nov. 5.
 Blind riveting apparatus. O. D. Lutes. 2,408,431; Oct. 1.
 Blind structure. Venetian. H. H. Nelson. 2,393,399; Jan. 22.
 Blind, Venetian. M. W. Albrecht. 2,409,821; Oct. 22.
 Blind, Venetian. C. J. Deleagar. 2,394,847; Feb. 12.
 Blind, Venetian. O. L. Herron. Re. 2,275,55; May 14.
 Blind, Venetian. I. Jablin. 2,412,553; Dec. 17.
 Blind, Venetian. M. J. Nardulli. 2,401,770; June 11.
 Blind, Venetian. A. Nibon. 2,413,464; Dec. 31.
 Blind, Venetian. E. A. Olson. 2,410,549; Nov. 5.
 Blind, Venetian. J. C. Rhodes. 2,396,435; Mar. 12.
 Blind, Venetian. D. L. J. Smith and C. Judeis. 2,393,819; Jan. 29.
 Blind, Venetian. A. R. Sylvanus. 2,397,765; Apr. 2.
 Blind, Venetian. L. C. Williams. 2,401,283; May 28.
 Block: See—
 Automatic tool block. Measuring line stripping block.
 Ballast block. Resiliently supported
 Building block. Concealed wiring block.
 Conduit supporting block. Sanding block.
 Friction-tipped belt block. Slipper spring block.
 Heat insulation block. Snap-in connector block.
 Hollow building block. Snatch block.
 Interlocking building block. Tackle block.
 Lapping block. Terminal block.
 Toolmaker's angle block.
 Block for motors and the like, Terminal. J. A. Draxler. 2,403,642; July 9.
 Block mechanism, Breech. W. Summerbell. 2,398,453; Apr. 16.
 Block, Wire-drawing. J. M. Fenner and F. G. Mog. 2,391,957; Jan. 1.
 Blocking impulse generator. O. H. Schade. 2,411,062; Nov. 12.
 Blocks, Laying, forming and interconnecting concrete. J. W. Smith. 2,408,585; Oct. 1.
 Blood coagulating product and obtaining same. H. P. Smith. 2,398,677; Apr. 9.
 Blood testing cabinet. G. H. Hill. 2,392,322; Jan. 8.
 Bloom wrench. H. O. Starr. 2,404,107; July 16.
 Blowoff valve. G. C. Fields. 2,396,840; Mar. 19.
 Blowpipe for piercing metal bodies. R. B. Aitchison. 2,407,972; Sept. 24.
 Blower. W. C. Parrish. 2,398,113; Apr. 9.
 Blower. V. E. Sprouse. 2,394,214; Feb. 5.
 Blower apparatus. A. I. Ponomareff. 2,393,808; Jan. 29.
 Blower apparatus. A. I. Ponomareff and W. A. Mayne. 2,407,711; May 21.
 Blower apparatus. H. F. Schmidt. 2,403,875; July 9.
 Blower, Axial. E. A. Stalker. 2,405,768; Aug. 13.
 Blower, Enslage. R. B. Hitchcock and S. E. Hilblom. 2,394,058; Feb. 5.
 Blower, Enslage. E. F. Huddle. 2,410,501; Nov. 5.
 Blower for handling desiccated material. O. C. Norton. 2,408,675; Oct. 1.
 Blower having swinging feed hopper, Enslage. R. B. Hitchcock and S. E. Hilblom. 2,405,695; Aug. 13.
 Blower, Grain. C. C. Rowley and L. C. Walgren. 2,406,566; Aug. 27.
 Blower, Rotary. R. P. McCulloch and J. L. Ryde. 2,393,119; Jan. 15.
 Blower, Soot. T. G. Hoglund and G. E. Leijon. 2,406,687; Aug. 27.
 Blower, Twin feed grain. F. E. Michael. 2,405,094; July 9.
 Bluent machine. H. J. Brunk. 2,398,616; Apr. 16.
 Board: See—
 Composition panel board. Knitting board.
 Cribbage board. Pack board.
 Game board. Production control board.
 Impregnated composite board. Running board.
 Ironing board. Utility board.
 Board and step ladder, Combined ironing. J. W. Mayhugh. 2,401,311; June 4.
 Board and the product resulting therefrom, Process relating to the production of. F. Rosenthal. 2,412,652; Dec. 17.
 Board for acoustic treatments, Vibratile. A. B. Hurley. 2,413,568; Dec. 31.
 Board for playing solitaire and other games, Supporting. J. Jacobs. 2,400,296; May 14.
 Board for spinning frames, Thread. L. M. Cotchett. 2,413,172; Dec. 24.
 Board for use in slicing thin slices. J. Scheminger, Jr. 2,398,192; Apr. 9.

- Board structures, Manufacturing composite. G. Kahr. 2,401,648; June 4.
- Boards, Manufacturing composite. G. Kahr. 2,399,124; Apr. 23.
- Boat. C. H. Clement, Jr. 2,392,834; Jan. 15.
- Boat. C. H. Kearny. 2,407,666; Sept. 17.
- Boat. F. N. Nelson. 2,397,683; Apr. 2.
- Boat. A. C. Patterson and H. C. Ganter. 2,396,721; Mar. 19.
- Boat and making same, Inflatable. A. G. Luisada. 2,408,789; Oct. 8.
- Boat construction. A. G. S. Sandison. 2,397,049; Mar. 19.
- Boat control. Small. E. E. Bidwell. 2,402,724; June 25.
- Boat, Flyer's. E. M. Bonyhady. 2,402,726; June 25.
- Boat, Foldable. B. F. Randrup. 2,408,579; Oct. 1.
- Boat hulls, Making. L. P. Hall, Jr. 2,412,455; Dec. 10.
- Boat, Inflatable. C. H. Kearny. 2,391,906; Jan. 1.
- Boat loading device. L. J. Lindblom. 2,412,162; Dec. 3.
- Boat, Pneumatic collapsible. A. N. Spanel. 2,396,212; Mar. 5.
- Boat propulsion apparatus. H. H. Raulerson. 2,394,011; Feb. 5.
- Boat wheelbarrow. A. A. Bjork. 2,395,717; Feb. 26.
- Boats and ships, Hull construction for surface. E. Moxham, Jr. 2,400,771; May 21.
- Boats, Docking dlyng. G. L. Martin. 2,411,382; Nov. 19.
- Bob pin. R. K. Gaylord and I. R. Green. 2,396,367; Mar. 12.
- Bobbin for use in spinning or weaving. C. Van Deventer. 2,403,417; July 2.
- Bobbin holder. J. M. Noguera. 2,408,674; Oct. 1.
- Bobbin-identifying device for winding machines. G. S. Beckman. 2,411,242-3; Nov. 19.
- Bobbin receiver for weft and replenishing looms. G. C. Beatrice. 2,411,354; Nov. 19.
- Bobbin receiver with movable bottom. R. G. Turner. 2,411,643; Nov. 26.
- Bobbin receivers, Support and release means for. G. C. Beatrice. 2,411,353; Nov. 19.
- Bobbin receptacle support. G. F. Belforth. 2,401,602; June 4.
- Bobbin, spool, or the like. G. B. Markle, Jr. 2,397,362; Mar. 26.
- Bobbin winder for sewing machines. S. J. Hamlett, Jr. 2,412,456; Dec. 10.
- Bobbin winding machine. B. Marcellus. 2,409,639; Oct. 22.
- Bodies, Marking. J. Mrasek. 2,406,705; Aug. 27.
- Body and chassis structure, Combined. J. Ledwinka and J. W. Kelly. 2,405,260; Aug. 6.
- Body and wheels of vehicles, Shifting the relative position of the. K. W. Couse. 2,391,948; Jan. 1.
- Body, Bladed. G. B. Warren. 2,394,124; Feb. 5.
- Body construction, Vehicle. G. Trautvetter. 2,407,112; Sept. 3.
- Body for hand trucks, Removable. J. R. Katzman. 2,393,692; Jan. 29.
- Body for vehicles, especially for pleasure automobiles. T. Ulrich. 2,404,870; July 30.
- Body locator, Electronic surgical metal. D. M. Speaker. 2,393,717; Jan. 29.
- Boiler, Refuse. W. C. Anthony. 2,408,284; Sept. 24.
- Boiler; See—
- Steam boiler. Water heater and boiler.
- Boiler. A. Drummond. 2,406,673; Aug. 27.
- Boiler. L. Satchwell. Re. 22,793; Sept. 17.
- Boiler. G. N. Strike. 2,400,174; May 14.
- Boiler. R. D. Terhune. 2,407,941; Sept. 17.
- Boiler. R. R. Waterman. 2,396,032; Mar. 5.
- Boiler construction. C. R. Briggs. 2,395,035; Feb. 19.
- Boiler construction. R. C. Cross. 2,408,968; Oct. 8.
- Boiler construction and producing same. F. P. Huston, L. A. Burrows, and W. E. Lawson. 2,412,886; Dec. 17.
- Boiler unit, Stoker. R. C. Cross and G. W. Smardon. 2,408,969; Oct. 8.
- Boiler water feed device. T. N. Pinlon. 2,411,589; Nov. 26.
- Boilers, Cleaning steam. F. W. Miller. 2,404,516; July 23.
- Boilers, Treating. F. C. Bersworth. 2,396,938; Mar. 19.
- Bolt and mounting therefor. T. D. Lane. 2,411,629; Nov. 26.
- Bolt and mounting therefor. J. A. MacLean, Jr. 2,395,377; Feb. 19.
- Bolt and nut assembly. A. Gazda. 2,398,633; Apr. 16.
- Bolt and nut, Blind fastening. D. C. Benton. 2,403,330; July 2.
- Bolt connection, Locking and sealing blind. G. P. Torburn. 2,393,431; Jan. 22.
- Bolt for glass doors, Flush and mortise lock. E. L. Jones. 2,402,753; June 25.
- Bolt, Inert. B. K. Lyon. 2,409,638; Oct. 22.
- Bolt or nut, Self-locking. L. A. Carter. 2,405,402; Aug. 6.
- Bolt, Self-locking. D. A. Kahn. 2,407,160; Sept. 3.
- Bolt, Self-locking. E. G. Miller and R. E. Engbert. 2,398,838; Apr. 23.
- Bolt, Toggle. H. N. Boyer. 2,408,366; Oct. 1.
- Bomb. C. B. Ferrel. 2,410,932; Nov. 12.
- Bomb, Aerial. A. F. Halvey. 2,398,740; Apr. 16.
- Bomb, Aerial. F. D. Mayes. 2,402,335; June 18.
- Bomb control system. J. H. Hammond, Jr. 2,411,788; Nov. 26.
- Bomb displacing gear. J. G. Lee. 2,412,460; Dec. 10.
- Bomb, Dual-purpose aerial. N. M. Hopkins. 2,409,282; Oct. 15.
- Bomb, Fragmentation. R. Tagliatela. 2,413,008; Dec. 24.
- Bomb, Fragmentation. J. C. Whitesell, Jr. 2,393,274; Jan. 22.
- Bomb, Incendiary. H. J. De N. McCollum. 2,401,788; June 11.
- Bomb loading apparatus for airplanes. L. W. Bonnell and R. G. Sharp. 2,411,647; Nov. 26.
- Bomb protective band. J. T. Parsons and A. V. Brogren. 2,412,420; Dec. 10.
- Bomb rack. J. G. Lee. 2,413,635; Dec. 31.
- Bomb rack. W. M. Neff. 2,392,400; Jan. 8.
- Bomb release. R. J. Minshall. F. P. Laudan, and E. G. Emery, Jr. 2,405,752; Aug. 13.
- Bomb releasing shackle. R. I. Markey. 2,410,036; Oct. 29.
- Bomb selector. J. O. York and J. C. Winslow. 2,399,530; Apr. 30.
- Bomb sight. R. M. Lynn. 2,405,263; Aug. 6.
- Bomb sight. J. D. Steel. 2,401,521; June 4.
- Bomb sight. H. C. Van Auken and F. N. Esher. 2,410,468; Nov. 5.
- Bomb sight. H. C. Van Auken and G. N. Hanson. 2,409,648; Oct. 22.
- Bomb sight and bomb-releasing device. A. E. Barill. 2,409,239; Oct. 22.
- Bombsight, Hand held low altitude. G. V. Rylsky and F. W. Schule, Jr. 2,404,746; July 23.
- Bombsight, Low altitude. H. C. Van Auken. 2,392,436; Jan. 8.
- Bomb, Spark plug test. A. C. Wall. 2,401,533; June 4.
- Bomb stabilizer. W. F. Berger. 2,393,604; Jan. 29.
- Bombing. Sight for dive. M. E. Browder and A. Werthelmer. 2,401,744; June 11.
- Bombs and projectiles, Shipping band for. A. P. Belanger. 2,402,145; June 18.
- Bombs, Making fragmentation. J. C. Whitesell, Jr. 2,393,275; Jan. 22.
- Bombs, pyrotechnic devices and the like, Aerial. J. Imber. 2,411,432; Nov. 19.
- Bonded reinforcing frame. W. H. Turner. 2,410,466; Nov. 5.
- Bonding clamp. G. A. Tinnerman. 2,399,899; May 7.
- Bonding metal. A. Longoria and C. Gird. 2,401,006; May 28.
- Bonding method. L. B. Scott. 2,410,464; Nov. 5.
- Bonding of rubber to metal, Direct. O. W. Hosking. 2,409,759; Oct. 22.
- Bonding surfaces. O. H. Smith. 2,392,618; Jan. 8.
- Bonds in laminated structures, Curing adhesive. H. W. Hall. 2,406,680; Aug. 27.
- Bones, Degreasing of animal. C. Mueller. 2,395,900; Mar. 5.
- Bookbinding. H. Einzig. 2,400,744; May 21.
- Book cover. I. L. Lessavoy. 2,410,741; Nov. 5.
- Booklet, Cigarette paper. O. F. Goepfert, W. K. Straus, and R. H. Clayton, Jr. 2,400,301; May 14.
- Bookmark. W. W. Evans. 2,394,372; Feb. 5.
- Bookmark. F. L. Singer, Jr. 2,405,374; Aug. 6.
- Book rack. M. Sweargin. 2,402,930; June 25.
- Book, Sample display. W. C. Macey. Re. 22,716; Feb. 5.
- Boost device and gust dampener, Control surface. E. F. Burton, O. A. Wheelon, and H. W. Adams. Re. 22,728; Mar. 5.
- Boost device for reducing control forces on airplanes, Rotary electrical. J. S. W. Davidson. 2,406,356; Aug. 27.
- Booster, Ammunition feed. J. E. Chapman and G. A. Bussiere. 2,403,170; July 2.
- Booster brake mechanism. W. F. Penrose. 2,411,458; Nov. 19.
- Booster control. W. E. Benjamin. 2,411,705; Nov. 26.
- Booster, Hydraulic. W. Stelzer. 2,398,165; Apr. 9.
- Booster pressure relief valve. W. R. Gamble. 2,401,237; May 28.
- Booster pump. W. H. and R. R. Curtis. 2,394,154; Feb. 5.
- Booster pump. R. P. Greenwood. 2,408,775; Oct. 8.
- Boost construction. P. D. Earl. 2,394,433; Feb. 6.
- Boot hanger. N. Van Tilburg. 2,412,847; Dec. 17.
- Booth, Back and boot hook, Combined. C. G. Hilton. 2,408,640; Oct. 1.
- Bootee, Carriage. A. J. Wilson. 2,398,510; Apr. 16.
- Boots, Attachment for stadium. H. L. Lea. 2,408,564; Oct. 1.
- Boots, Making hollow flexible. M. E. Golden. 2,411,874; Dec. 24.
- Booth, Combined teller and customer. J. W. Phillips. 2,405,710; Aug. 13.
- Booth, Communication. R. L. Hoyle. 2,397,606; Apr. 2.
- Booth, Communication. R. L. Leadbetter. 2,397,609; Apr. 2.

- Booth, Dining. J. C. Shikles. 2,409,805; Oct. 22.
Booth, Grinding and polishing. E. F. Fisher. 2,409,479; Oct. 15.
Booths. T. T. Tucker. 2,403,469; July 9.
Bore holes, Method and apparatus for electrically coring in case. G. H. Ennis. 2,397,254; Mar. 26.
Boring bar. J. M. Perkins. 2,400,839; May 21.
Boring bar. P. A. Vondra. 2,399,271; Apr. 30.
Boring head. E. A. Allen. 2,413,937; Dec. 24.
Boring head. N. Bell. 2,398,491; Apr. 16.
Boring machine. A. J. McDonald. 2,409,578; Oct. 15.
Boring machine. W. F. Mitchell. 2,401,838; June 11.
Boring machine. W. F. Mitchell. 2,413,674; Dec. 31.
Boring machine, Portable. H. D. Wrenn. 2,392,564; Jan. 8.
Boring machine, Ring. O. W. Halling. 2,410,819; Nov. 12.
Boring machine, Tunnel. H. O. Thompson. 2,404,605; July 23.
Boring or like tool. H. I. Selch. 2,393,424; Jan. 22.
Boron from boron polluted substances, Removal of. H. B. Gustafson and E. Komine, Jr. 2,402,959; July 2.
Bottle and closure therefor. G. L. Moore. 2,396,337; Mar. 12.
Bottle attachment, Milk. R. W. Leslie. 2,406,696; Aug. 27.
Bottle cap. P. Gavrilis. 2,392,912; Jan. 15.
Bottle cap. T. R. Smith. 2,404,410; July 23.
Bottle cap. J. D. Tessier. 2,392,274; Jan. 1.
Bottle cap. T. J. Van Alstyne. 2,411,349; Nov. 19.
Bottle caps, Preheater for. H. E. Rue. 2,401,511; June 4.
Bottle carrier. L. H. Cohn. 2,408,249; Sept. 24.
Bottle carrier. J. F. DeVillard. 2,411,195; Nov. 19.
Bottle carrier. J. J. Druhot. 2,404,625; July 23.
Bottle carrier. H. Edgerton. 2,404,699; July 23.
Bottle carrier. S. N. Goldman. 2,396,003; Mar. 5.
Bottle carrier. F. E. Green. 2,394,239; Feb. 5.
Bottle carrier. M. E. Holy. 2,401,158; May 28.
Bottle carrier. J. N. Ice. 2,404,133; July 16.
Bottle carrier. E. H. Jenkins. 2,408,684; Oct. 22.
Bottle carrier. R. H. Kerns. 2,399,549; Apr. 30.
Bottle carrier. J. L. Lyons, Jr. 2,393,114; Jan. 15.
Bottle carrier. R. Martinez. 2,398,948; Apr. 23.
Bottle carrier. J. E. Miller. 2,401,578; June 4.
Bottle carrier. E. E. Morgan. 2,405,753; Aug. 13.
Bottle carrier. L. A. Parks. 2,395,755; Feb. 26.
Bottle carrier. W. D. Plummer. 2,405,517; Aug. 6.
Bottle carrier. H. K. Powell. 2,396,473; Mar. 12.
Bottle carrier. W. A. Ringler. 2,407,798; Sept. 17.
Bottle carrier. W. P. Rocker. 2,404,532; July 23.
Bottle carrier. H. C. Singer. 2,397,373; Mar. 26.
Bottle carrier. E. H. Ulrich. 2,397,708; Apr. 2.
Bottle carrier. B. B. Watson. 2,397,304; Mar. 26.
Bottle carrier. J. A. Wendler. 2,397,716; Apr. 2.
Bottle carrier. W. Wenhe. 2,395,601; Feb. 26.
Bottle carrier. A. Wesselman. 2,402,218-19; June 18.
Bottle carrier and carton, Combined. J. K. Darragh and H. E. Rue. 2,413,743; Dec. 31.
Bottle case. R. H. Brady and E. O. Birkner. 2,396,770; Mar. 19.
Bottle construction, Parenteral. J. E. B. Shaw. 2,395,149; Feb. 19.
Bottle cover. B. Zimmern. 2,409,820; Oct. 22.
Bottle dispensing apparatus. L. D. Dennis. 2,408,380; Oct. 1.
Bottle holder. J. Cosley. 2,412,873; Dec. 17.
Bottle holder. M. E. Swank. 2,397,059; Mar. 19.
Bottle holder and carrier. W. A. Bertram. 2,407,529; Sept. 10.
Bottle machine. D. E. Gray. 2,391,963; Jan. 1.
Bottle, Marine sampling. J. Kahl. 2,391,978; Jan. 1.
Bottle, Nonrefillable. P. B. Oberstadt. 2,398,663; Apr. 16.
Bottle, Nursing. M. Sloan. 2,404,722; Feb. 12.
Bottle stopper and pouring spout. H. B. Wright. 2,408,463; Oct. 1.
Bottle stopper, Manually operable vacuum releasing. K. E. Luger. 2,392,602; Jan. 8.
Bottle transferring and carrying apparatus. C. D. Keith, J. F. O'Brien, and S. Madsen. 2,398,747; Apr. 16.
Bottle wadding machine and method. T. C. Kelly. 2,412,089; Dec. 3.
Bottled drink dispenser. F. T. Rabens and F. T. Peterson. 2,393,059; Jan. 15.
Bottles and like, and manufacture, Paper. J. E. Annen. 2,409,655; Oct. 22.
Bottom construction for cribs. H. F. Shaw. 2,397,697; Apr. 2.
Bottom hole regulator. L. D. Mowrey. 2,411,667; Nov. 26.
Bourdon tube. J. Sivertsen. 2,409,161; Oct. 8.
Bow tie device. M. Greenfield. 2,408,631; Oct. 1.
Bowl. Centrifugal separating. G. J. Strezynski. 2,410,513; Oct. 29.
Bowl, Embossing. R. E. Thomas. 2,406,718; Aug. 27.
Bowling alley. C. W. Hartwig. 2,411,789; Nov. 26.
Bowling ball. M. O. Berg. 2,396,228; Mar. 12.
Bowling pin. W. Henley. 2,400,089; May 14.
Bowling pin. H. E. McKenzie. 2,395,134; Feb. 19.
Bowling pin setting indicator. R. A. Aschenbrenner. 2,408,592; Oct. 1.
- Box: See—
Ammunition feed box. Instrument box.
Automatically locked fiber-jewelry box.
board shipping box. Money box.
Collapsible box. Multidrive gear box.
Camera film box. Nail box.
Chick box. Outdoor switch box.
Cigarette and display box. Paperboard coin box.
Display box. Plug and switch box.
Electric outlet box. Railroad journal box.
Electric welding with portable flux box. Railway journal box.
Floor or wall safety box. Spread box.
Foldable box. Stacking box.
Folding box. Stuffing box.
Folding box. Vanity box.
Box. E. J. Bonville. 2,396,150; Mar. 5.
Box. E. Herz. 2,397,553; Mar. 26.
Box. R. B. Meller. 2,404,916; July 30.
Box. I. Robins. 2,401,664; June 4.
Box. E. R. Stivers. 2,405,463; Aug. 6.
Box and anchor therefor. Outlet. C. Fredriksen. 2,413,139; Dec. 24.
Box and ground strap provided with cable cables, Outlet. G. B. Benander. 2,411,017; Nov. 12.
Box for timing watches, Observation. R. D. Heffelfinger. 2,395,328; Feb. 19.
Box for water-cooled shafts. Stuffing. C. Nygren. 2,413,646; Dec. 31.
Box liner. E. D. Hudge, C. P. Hunt, and D. E. Lent. 2,392,575; Jan. 8.
Boxmaking. C. D. Knowlton. 2,393,383; Jan. 22.
Box making machine. E. G. Staude and P. E. Fischer. 2,395,352; Feb. 19.
Box or carton. R. Kuhlman. 2,393,994; Feb. 5.
Box or container, Dispensing. K. T. Buttery. 2,407,919; Sept. 17.
Box or the like. Berry. W. A. Ringler. 2,406,254; Aug. 20.
Box spring. P. Kost. 2,402,252; June 18.
Box structure, Smoke. Le R. Thompson. 2,398,058; Dec. 31.
- Boxes and improved cartridge containers, Making knock-down. R. M. Bergstein. 2,411,144; Nov. 19.
Boxes, Stacking and nesting. L. A. Fordon. 2,395,542; Feb. 26.
Boxing cartridges or other elongated articles, Machine for. H. P. Jackson. 2,400,695; May 21.
Brace. H. C. Boone. 2,412,075; Dec. 3.
Brace, Angle iron. E. Sofer. 2,400,266; May 14.
Brace, Boxcar. H. M. Welch. 2,411,768; Nov. 26.
Brace for railway cars, Adjustable lading. J. McMullen. 2,407,091; Sept. 3.
Brace, Lady's shoe. J. Arena. 2,401,400; June 4.
Brace structure. J. D. Farrell. 2,413,302; Dec. 31.
Bracelet and the like, Illuminated ankle. A. W. White. 2,405,384; Aug. 6.
Bracelet, Plastic. H. D. Brady. 2,413,541; Dec. 31.
Bracelet, Wrist watch. G. Schmidt. 2,398,723; Apr. 16.
Bracelets and end hooks, Attachment of lany tong. A. R. Saccoccio. 2,401,022; May 28.
- Bracket: See—
Anchoring bracket. Right-angled aligning and assembling fastener and bracket.
Auto mirror bracket. Bed springs bracket. Scaffold bracket.
Concrete form bracket. Dish supporting bracket. Spring type switch bracket.
Drawer bracket. Hold-down bracket. Ladder bracket. Swinging bracket.
Motor bracket. Paint bucket ladder bracket. Transposition bracket.
- Bracket. A. D'Avanzo. 2,395,255; Feb. 19.
Bracket and making the same. B. G. Cochrane. 2,395,215; Feb. 19.
Bracket for kitchen utensils. Wall. H. J. Talge and W. J. Landry. 2,408,703; Oct. 1.
Bracket for overhead trolley chain conveyers. J. B. and J. C. Webb. 2,398,062; Apr. 9.
Bracket for supporting oxygen bottles or the like. W. C. Keller and L. F. Fuday. 2,406,334; Aug. 27.
Bracket support. R. E. McLean. 2,411,448; Nov. 19.
- Brake: See—
Aerodynamic brake. Railway brake.
Air brake. Railway truck spring brake.
Automatic hydraulic brake. Shaft brake.
Automotive brake. Ski brake.
Car brake. Spindle brake.
Coaster brake. Steering brake.
Disk brake. Trailer brake.
Electric brake. Fluid brake. Variable leverage brake.
Fluid brake. Friction brake. Variable load brake.
Hand brake. Hand brake. Vehicle brake.
Hydraulic brake. Insulator bracket. Wheel brake.
Insulator bracket. One-way brake. Winch brake.
Recall brake. Window brake.
Rail car wheel brake.
Brake. C. L. Eksergian, P. W. Gaenssle, and E. Kalseer. 2,399,010; Apr. 23.
Brake. J. A. Forbes. 2,406,754; Sept. 3.

- Brake. J. A. Forbes. 2,407,487; Sept. 10.
 Brake. P. M. Freer. 2,393,980; Feb. 5.
 Brake. B. E. House. 2,412,335; Dec. 10.
 Brake. O. Rasmussen. 2,396,387; Mar. 12.
 Brake. C. H. Sauer. 2,406,449; Aug. 27.
 Brake actuator. R. A. Goepfrich. 2,400,042; May 7.
 Brake and accelerator, Combined foot. N. I. Perry. 2,411,167; Nov. 19.
 Brake and lock mechanism. W. O. Schultz. 2,410,243; Oct. 29.
 Brake and stabilizer control, Combined. E. W. Barnhart. 2,400,803; May 21.
 Brake apparatus. H. J. Butler. 2,392,225; Jan. 1.
 Brake apparatus, Variable load. E. S. Cook. 2,407,870; Sept. 17.
 Brake apparatus, Variable load. C. A. Nelson, J. N. Good, and A. B. De Salardi. 2,402,434; June 18.
 Brake arrangement. C. L. Eksergian. 2,402,489; June 18.
 Brake arrangement. C. L. Eksergian. 2,410,574; Nov. 5.
 Brake arrangement. C. L. Eksergian and J. H. Coombes. 2,405,119; Aug. 6.
 Brake arrangement. C. E. Tack and N. Fleesch. 2,412,431; Dec. 10.
 Brake beam and head therefor, Combined. C. R. Busch. 2,398,917; Apr. 23.
 Brake beam and/or brake head, Trussed. C. R. Busch. 2,398,918; Apr. 23.
 Brake beam, Railway. E. G. Busse. 2,408,015; Sept. 24.
 Brake beam structure. H. W. Ekholm. 2,395,497; Apr. 16.
 Brake booster. W. Stelzer. 2,404,932; July 30.
 Brake compressor and the like, Compound hydraulic.
 Brake construction. R. A. Goepfrich. 2,400,043; May 7.
 Brake construction. R. A. Goepfrich. 2,404,054; July 16.
 Brake construction. A. O. Williams. 2,400,673; May 21.
 Brake control. J. G. Oetzel. 2,407,510; Sept. 10.
 A. Hull-Ryde. 2,407,957; Sept. 17.
 Brake control for motor vehicles. T. A. Martin. 2,403,870; July 9.
 Brake control, Portable auxiliary. R. A. Law. 2,395,280; Feb. 19.
 Brake cooler. J. J. Bloomfield. 2,409,099; Oct. 8.
 Brake cylinder venting apparatus. R. T. Whitney. 2,398,902; Apr. 23.
 Brake drum, Reinforced. F. H. Le Jeune. 2,398,501; Apr. 16.
 Brake for aircraft, Air. R. T. Youngman. 2,392,443; Jan. 8.
 Brake for electric motors. J. A. Chilman. 2,410,630; Nov. 5.
 Brake for hydraulic motors. C. M. Boyd. 2,404,615; July 23.
 Brake for power reverse gear. J. Kindervater. 2,394,785; Feb. 12.
 Brake for rail-borne vehicles. H. W. Brolus. 2,397,237; Mar. 26.
 Brake latch. G. Stoner. 2,399,835; May 7.
 Brake lever for railway car brake rigging. F. Schaefer. 2,392,771; Jan. 8.
 Brake mechanism. H. W. Alden, L. R. Buckendale, and R. K. Super. 2,399,654; May 7.
 Brake mechanism. H. J. Butler. 2,396,153; Mar. 5.
 Brake mechanism. J. H. Coombes. 2,394,151; Feb. 5.
 Brake mechanism. J. H. Coombes. 2,406,201; Aug. 20.
 Brake mechanism. W. A. Eaton. 2,410,956; Nov. 12.
 Brake mechanism. C. L. Eksergian, J. H. Coombes, and P. W. Gaenssle. 2,402,386; June 18.
 Brake mechanism. C. L. Eksergian. 2,413,614; Dec. 31.
 Brake mechanism. E. R. Fitch. 2,406,284; Aug. 20.
 Brake mechanism. F. W. Gaenssle. 2,406,212; Aug. 20.
 Brake mechanism. G. E. Porter. 2,407,097; Sept. 3.
 Brake mechanism, Booster. W. Stelzer. 2,401,892; June 11.
 Brake mechanism, Hydraulic. W. Stelzer. 2,407,856; Sept. 17.
 Brake mechanism, Power. R. R. Gunderson. 2,406,328; Aug. 27.
 Brake mechanism, Pressure actuated. J. G. Oetzel. 2,404,397; July 23.
 Brake or clutch, Friction. H. R. Amundsen. 2,402,005; June 11.
 Brake rotor. C. E. Tack. 2,411,067; Nov. 12.
 Brake shoe. R. B. Pogue. 2,398,245; Apr. 9.
 Brake shoe. M. N. Trainer. 2,402,101; June 11.
 Brake shoe construction. A. C. Mathieson. 2,400,015; May 7.
 Brake shoe spring arrangement. C. E. Bricker. 2,392,970; Jan. 15.
 Brake shoe tool. R. E. Plumley. 2,394,562; Feb. 12.
 Brake structure. C. Hollerith. 2,411,920; Dec. 3.
 Braking system. H. Baade. Re. 22,802; Oct. 15.
 Brake system. C. Hollerith. 2,399,868; May 7.
 Brake system. C. H. Sauer. 2,395,072; Feb. 19.
 Brake system, Hydraulic. C. B. Vickers. 2,399,269-70; Apr. 30.
 Brake system, Hydraulic. Y. Z. von Stackelberg. 2,409,335; Oct. 15.
 Brake system, Hydrostatic. C. Sauzedde. 2,396,536; Mar. 12.
 Brake valve. J. R. Blake. 2,397,234; Mar. 26.
 Braking apparatus, Emergency. W. E. Wread, Sr. 2,410,592; Nov. 5.
- Braking device, Internal-expanding. W. D. Koch. 2,401,938; June 11.
 Braking system for vehicles with a short wheel base, especially railway bogies. B. H. Browall. 2,398,285; Apr. 9.
 Brass. G. H. Edmunds. 2,394,673; Feb. 12.
 Brass, Anodically polishing. C. L. Faust. 2,407,543; Sept. 10.
 Brassière. P. Amyot. 2,401,895; June 11.
 Brassière. E. Gerace. 2,400,490; May 21.
 Brassière. A. Licht. Re. 22,771; July 16.
 Brassière. D. Palmer. 2,411,334; Nov. 19.
 Brassière and making same. H. M. Plehn. 2,411,462; Nov. 19.
 Brattices, Supporting mine. J. T. Sembower, Jr. 2,395,689; Feb. 26.
 Brazing. M. A. Miller. 2,403,109; July 2.
 Brazing, Beryllium. G. J. Agule. 2,406,310; Aug. 27.
 Brazing, soldering, or the like process. G. H. Lee. 2,411,439; Nov. 19.
 Bread and making the same. M. M. Jackson and E. Hauser. 2,412,154; Dec. 3.
 Breaker, Circuit. J. M. Cumming. 2,399,328; Apr. 30.
 Breaker, Circuit. R. C. Cunningham. 2,403,055; July 2.
 Breaker, Circuit. L. W. Dyer and G. J. Freese. 2,400,984; May 28.
 Breaker, Circuit. A. W. Hill and J. M. Cumming. 2,403,082; July 2.
 Breaker, Circuit. T. Lindstrom and J. W. May. 2,401,005; May 28.
 Breaker, Electric circuit. E. B. Rietz and D. K. Tower. 2,401,963; June 11.
 Breaker mechanism. J. W. May. 2,393,049; Jan. 15.
 Breaker, Vacuum. E. W. N. Boosey. 2,405,639; Aug. 13.
 Breaker, Web. J. E. Meyer. 2,399,445; Apr. 30.
 Breaking down mechanism. C. E. Tibbals. 2,399,074; Apr. 23.
 Breast support. H. Ax. 2,406,576; Aug. 27.
 Breathing apparatus. C. B. Jackson, J. H. Schneider, and W. F. Yant. 2,403,981; Feb. 16.
 Breathing apparatus. F. E. Meidenbauer, Jr. 2,399,054; Apr. 23.
 Breathing apparatus. P. E. Meidenbauer, Jr. 2,406,888; Sept. 3.
 Breathing apparatus. C. J. Murphy and W. P. Yant. 2,403,991; July 16.
 Brewer, Vacuum coffee. H. G. Blakeslee. 2,392,358; Jan. 8.
 Brick, Laying. A. F. Watkins. 2,395,438; Feb. 26.
 Brickmaking machine. F. L. Cantrall and J. A. Carlisle. 2,402,587; June 18.
 Bridge, Alternating current power. A. E. Harrison. 2,399,674; May 7.
 Bridge construction. P. Chapman. 2,402,124-5; June 18.
 Bridge, dock gate, and the like, Movable. A. E. S. Temple. 2,411,480; Nov. 19.
 Bridge, Rail joint tread. W. G. Buhrer. 2,410,199; Oct. 29.
 Bridge saddle, Suspension. S. Johnston. 2,402,408; June 18.
 Bridge, Trestle. J. A. Dorst. 2,406,814; Sept. 3.
 Bridging matrix for endless sound bands, Producing. H. Westerkamp. 2,404,761; July 23.
 Bridging plug. W. B. Steward. 2,399,766; May 7.
 Briquetting means. R. T. Bowling. 2,412,709; Dec. 17.
 Briquetting press. L. S. Hubbard. 2,398,227; Apr. 9.
 Bristle, High capillarity. E. H. Haux. 2,408,718; Oct. 1.
 Bristle setting. K. V. Hardman. 2,406,732; Aug. 27.
 Broach. F. J. Lapointe. 2,392,823; Jan. 15.
 Broach. J. A. Markstrom. 2,392,172; Jan. 1.
 Broach machine with work feeding table, Pull. B. Welte. 2,395,702; Feb. 26.
 Broach, Rotary. J. Deliso. 2,407,921; Sept. 17.
 Broaches, Producing external. J. D. Howell. 2,398,310; Apr. 9.
 Broaching machine. A. R. Grad. 2,400,691; May 21.
 Broaching machine. J. R. Johnson. 2,394,699; Feb. 12.
 Broaching machine. E. H. Krainer. 2,405,434; Aug. 6.
 Broaching machine. F. J. Lapointe. 2,408,521; Oct. 1.
 Broaching tool. S. J. Snorek. 2,394,723; Feb. 12.
 Broad band radiator. D. W. Peterson. 2,411,976; Dec. 3.
 Broiler. M. B. Pallich. 2,397,040; Mar. 19.
 Broiler and server for domestic ranges, Combination. S. H. Hobson. 2,411,693; Dec. 3.
 Broiler, Hot-water type food. G. R. Bossetta. 2,397,643; Apr. 2.
 Broiler, Steak. E. H. Hanson, A. Grierson, and R. L. Le Beau. 2,400,540; May 21.
 Broilers and like food supports, Adjusting. W. R. Jones. 2,395,486; Feb. 26.
 Bromination of ketones. F. Bergel and A. Cohen. 2,397,333; Mar. 26.
 Bromine and iodine from natural brines, Recovery of. J. Cranston. 2,412,390; Dec. 10.
 Brooder. H. L. Clark. 2,407,601; Sept. 10.
 Brooder. A. A. Welborn. 2,396,065; Mar. 5.
 Brooder house. M. C. Hanisch, Jr. and A. S. Friedman. 2,392,920; Jan. 15.
 Brooder holder. C. C. Hickman. 2,410,972; Nov. 12.
 Broom holder. H. Sokoloff. 2,407,457; Sept. 10.
 Brush. R. N. Miller and W. H. Grindall. 2,398,241; Apr. 9.

- Brush and art of commutation. H. H. Wikle. 2,409,818; Oct. 22.
- Brush and indexing, Assembly. A. G. Davis. 2,402,736; June 25.
- Brush backs, Manufacture of. G. F. D'Alleio. 2,413,219; Dec. 24.
- Brush diverting apparatus for rotary shredders. J. T. Fiese. 2,392,653; Jan. 8.
- Brush, Electrical contact. C. G. Van Brunt. 2,403,471; July 9.
- Brush for electrical machinery. E. A. Williford. 2,412,701; Dec. 17.
- Brush for use in oil wells, Wire. R. E. Edwards. 2,412,876; Dec. 17.
- Brush, Fountain. C. A. Notman. 2,409,952; Oct. 22.
- Brush, Greenhouse roof bar cleaning. R. C. Hart. 2,408,555; Oct. 1.
- Brush, Paint. L. Y. Booharin. 2,395,245; Feb. 19.
- Brush rack. J. H. Corn and F. E. Scott. 2,402,374; June 18.
- Brush, Rotary. R. O. Peterson. 2,409,309; Oct. 15.
- Brush, Soap holding. W. Novick. 2,408,676; Oct. 1.
- Brush, Stud and bolt-cleaning. O. E. Link. 2,404,507; July 23.
- Brush with comb, Motor-driven. C. Vrana. 2,400,723; May 21.
- Brushes, Formation of. H. Cave. 2,400,809; May 21.
- Brushes, Forming. A. L. Le Febvre. 2,402,333; June 18.
- Brushing and cleaning apparatus for carpets and the like. E. T. Linderoth. 2,396,861; Mar. 12.
- Brushing apparatus. E. T. Linderoth. 2,403,105; July 2.
- Bubble blowing device. E. R. Holman. 2,412,732; Dec. 17.
- Bubble forming device. R. V. Bradley. 2,398,513; Apr. 16.
- Bubble leveling device for training apparatus. G. F. Daly and B. H. Phillips. 2,412,495; Dec. 10.
- Bubble pipe. L. G. Pimblett. 2,396,433; Mar. 12.
- Buck saw blades, Saw set for. A. Murray. 2,401,264; May 28.
- Bucket and forming, Chain dredge. G. R. Hanks. 2,398,786; Apr. 23.
- Bucket assembly, Spinning. H. J. McDermott. 2,408,670; Oct. 1.
- Bucket, Dragline. A. W. Daniels and J. P. Murtaugh. 2,398,360; Apr. 16.
- Bucket, Laminated. H. D. Haley. 2,401,069; May 28.
- Bucket locking means. J. B. Botten. 2,405,131; Aug. 6.
- Bucket, Portable scrubbing. J. Wilken. 2,392,208; Jan. 1.
- Bucking device. E. F. Eger. 2,396,413; Mar. 12.
- Buckle and producing the same. O. Gries. 2,407,491; Sept. 10.
- Buckle, Metal. C. R. Hennicke. 2,410,880; Nov. 12.
- Buckle or coupler. A. J. Gore. 2,392,659; Jan. 8.
- Buffer and draft car. J. E. Graham. 2,409,525; Oct. 8.
- Buffer, Eyelash. C. J. Altman. 2,409,823; Oct. 22.
- Buffer means for vehicle lateral motion mechanism. G. A. Silversmarre. 2,392,616; Jan. 8.
- Buggy, Collapsible baby. E. F. Allenbaugh. 2,410,797; Nov. 12.
- Building apparatus, Tire. E. Miller. 2,406,093; Aug. 20.
- Building block. E. T. Putnam. 2,413,377; Dec. 31.
- Building block forming machine. R. W. Darden. 2,400,631; May 21.
- Building block lifter. F. A. Dostal. 2,409,932; Oct. 22.
- Building construction. M. H. Carpenter. 2,396,828-9; Mar. 19.
- Building construction. H. H. Crafton. 2,392,232; Jan. 1.
- Building construction. A. B. Cullen. 2,405,116; Aug. 6.
- Building construction. R. L. Davison and G. M. Rapp. 2,392,839; Jan. 15.
- Building construction. M. P. Fould. 2,396,257; Mar. 12.
- Building construction. H. Gede, Jr. 2,391,960; Jan. 1.
- Building construction. T. G. Lindstrom. 2,403,934; July 16.
- Building. Construction. MacMc. Clements. 2,402,731; June 25.
- Building construction. P. Satterlee. 2,402,211; June 18.
- Building construction. C. B. Troedsson. 2,397,888; Mar. 26.
- Building construction, Corrugated. L. H. Dickelman. 2,408,593; Aug. 27.
- Building construction, Miniature sectional. E. Hayden. 2,407,927; Sept. 17.
- Building construction, Prefabricated. C. B. K. Van Norman. 2,395,162; Feb. 19.
- Building construction, System of. H. Lewis. 2,405,584; Aug. 13.
- Building element. O. W. Frost and J. H. Conover. 2,398,632; Apr. 16.
- Building element. W. R. Jones. 2,393,379; Jan. 22.
- Building form. M. R. Bell. 2,394,423; Feb. 5.
- Building machine, Tire. W. J. Breth and R. M. Wormal. 2,409,974; Oct. 22.
- Building material. M. Snyder. 2,392,272; Jan. 1.
- Building. Plural-unit portable. E. S. Guignon, Jr. 2,394,443; Feb. 5.
- Building, Prefabricated. E. R. Closs. 2,407,252; Sept. 10.
- Building, Sectional. E. S. Guignon, Jr. 2,407,004; Sept. 3.
- Building siding. C. A. Weeman. 2,403,318; July 2.
- Building structure. G. W. Gilleland. 2,397,345; Mar. 26.
- Building structure. W. C. Smith. 2,401,588; June 4.
- Building structure, Portable. W. C. Smith. 2,401,589-90; June 4.
- Building structure, Prefabricated. C. H. Lindsay. 2,395,702; Feb. 12.
- Building with folding walls. F. M. Smith. 2,395,691; Feb. 26.
- Bulb, Electric light. O. S. Levi and R. A. Hoyt. 2,405,261; Aug. 6.
- Bulb for vehicle lamps, Electric incandescent lamp. R. K. Braunsdorf and L. W. Curtis. 2,396,674; Mar. 19.
- Bulb, Resistor. F. G. Kelly. 2,398,892; Apr. 23.
- Bulkheads, walls, partitions, and the like, Construction of. A. B. Tickle, Jr. 2,399,151; Apr. 23.
- Bulldozer and ripper, Combined. H. E. McCauley. 2,396,739; Mar. 19.
- Bulldozer or scraper structure. H. H. Washbond. 2,404,759-60; July 23.
- Bullet handling apparatus. R. W. Vergobbi. 2,406,176; Aug. 20.
- Bullet, Incendiary. L. B. Christie. 2,398,287; Apr. 9.
- Bullet orienting shaker. W. D. Huddleson and T. J. Homan. 2,413,047; Dec. 24.
- Bullet protection guard. G. P. Wiedman. 2,393,350; Jan. 22.
- Bullet splatter, Protection against. W. E. Swift, Jr. 2,406,047; Aug. 20.
- Bullets, Making incendiary. P. H. Burdett. 2,402,018; Jan. 11.
- Bullets, Measuring the velocity of. W. L. Carlson, V. D. London, and R. L. Harvey. 2,400,189; May 14.
- Bumper. L. Domine. 2,411,852; Dec. 3.
- Bumper and making the same, Marine. L. Cobb. 2,399,855; May 7.
- Bumper, Ship. P. F. Blackman. 2,413,210; Dec. 24.
- Bumper, Toilet seat. J. Levine. 2,401,257; May 28.
- Buna S with blown oils, Compounding of. I. J. Novak. 2,402,909; June 25.
- Bundle and producing the same. J. B. Frear. 2,409,750; Oct. 22.
- Bundle trimmer mechanism. A. L. De Spain. 2,393,617; Jan. 29.
- Bung. F. M. Spayd. 2,396,027; Mar. 5.
- Buoy. S. Mehl, Jr. 2,403,539; July 9.
- Buoy, Submarine detecting. M. F. Neuhoof. 2,395,679; Feb. 26.
- Buoyant electrode cable. H. L. Beede. 2,396,273-4; Mar. 12.
- Buoyant electric cable. H. L. Beede. 2,409,529; Oct. 15.
- Buoyant electric cable. F. H. Gooding and B. Levinson. 2,396,270; Mar. 12.
- Buoyant electrode cable. F. H. Gooding and P. L. Sipp. Jr. 2,396,272; Mar. 12.
- Burglar alarm, Portable. C. E. Young. 2,407,122; Sept. 3.
- Burial bag. T. E. Tucker. 2,398,477; Apr. 16.
- Burner. See—
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| Air-cooled gas burner. | Oil burner. |
| Charcoal burner. | Pot burner. |
| Combination gas and liquid fuel burner. | Pressure atomizing oil burner. |
| Combination heater and refuse burner. | Pulverized fuel burner. |
| Combustion burner. | Radiant flame compression burner. |
| Combustion turbine burner. | Radiant oven and broiler burner. |
| Fuel burner. | Reinforced gas burner. |
| Gas burner. | Retort type oil burner. |
| Gas heating burner. | Rotary burner. |
| Generator type burner. | Self-leveling oil burner. |
| Horizontal pot type burner. | Spherical liquid fuel burner. |
| Hydrocarbon combustion tube burner. | Vaporization burner. |
| Hydroxylating pot type burner. | Vaporizing burner. |
| Liquid fuel burner. | Weed burner. |
- Burner, E. B. Glendinning. 2,393,897; Jan. 29.
- Burner. R. L. Longini. 2,402,763; June 25.
- Burner. H. De N. McCallum. 2,402,974; July 2.
- Burner. J. W. Miller. 2,392,757; Jan. 8.
- Burner. W. S. Sutton. 2,407,188; Sept. 3.
- Burner and fuel flow control means. J. L. Breese. 2,409,470; Oct. 15.
- Burner and pilot assembly, Pot. A. P. Livar and C. R. Apr. 9. 2,393,176; Jan. 15.
- Burner construction. G. F. Turner. 2,403,142; July 2.
- Burner construction, Gas. H. E. Mills. 2,396,800; Mar. 19.
- Burner control. E. P. Newman. 2,407,438; Sept. 10.
- Burner control mechanism. S. G. Isserstedt. 2,398,008; Nov. 19.
- Burner device for furnaces. C. L. Gagnon. 2,411,324; Apr. 2.
- Burner for army type stoves. J. L. Breese. 2,397,529; Apr. 2.
- Burner for fuels in general, Turbulent. H. E. G. J. Clausen and M. A. G. Fabia. 2,395,103; Feb. 19.
- Burner for use in refrigerators or in other heat-actuated apparatus, Kerosene. G. E. Jodeli. 2,407,426; Sept. 10.
- Burner head, Bituminous. R. O. Ladd. 2,395,226; Feb. 19.
- Burner head, the pressure type, Liquid fuel. H. C. Hebard. 2,402,138; June 18.
- Burner structure, Liquid fuel. J. L. Breese. 2,396,821; Mar. 19.

- Burner system, Liquid fuel. E. J. Senninger. 2,397,987; Apr. 9.
 Burner tip. S. H. White. 2,391,934; Jan. 1.
 Burner, vaporizer, and combustion engine, Liquid fuel. F. Whittle. 2,404,335; July 16.
 Burners, Igniting. D. Beggs. 2,398,611; Apr. 16.
 Burners, Method and apparatus for protecting. J. L. Anderson. 2,404,423; July 23.
 Burning tool. F. E. Horne, Jr. 2,394,612; Feb. 12.
 Burnishing the surface of paper, Method and machine for. A. R. Trist. 2,404,606; July 23.
 Burr remover. P. Cahen. 2,411,989; Dec. 3.
 Burr removing apparatus. J. W. King and G. Stuhl-saath. 2,403,180; July 16.
 Burr, Self-locking. J. W. Johnston. 2,398,377; Apr. 16.
 Bus, Articulated. K. Henriksen. 2,407,007; Sept. 3.
 Bus bar support. W. M. Scott, Jr. 2,396,131; Mar. 3.
 Bus duct. L. W. Cole and H. Jensen. 2,407,142; Sept. 3.
 Bushing assembly, Drive shaft. T. C. Gerner. 2,403,520; July 9.
 Bushing, Coaxial. K. L. Henderson and E. F. De Mers. 2,411,656; Nov. 26.
 Bushing for electrical apparatus. S. Terpak and L. Wetherill. 2,402,466; June 18.
 Bushing, Making a. W. C. Shriver, Jr. 2,397,626; Apr. 2.
 Bushing, Wire thread. H. W. Cram. 2,401,912; June 11.
 Bushings, Grinding small holed. J. Kaplan. 2,412,048; Dec. 3.
 Bushings, Making resilient. A. S. Krotz. 2,407,559; Sept. 10.
 Business machine. R. W. Pitman. 2,400,949; May 28.
 Business machine. R. W. Pitman. 2,405,268; Aug. 6.
 Business machine. H. C. Yeager. 2,393,441; Jan. 22.
 Bust separator. F. Lustig. 2,406,699; Aug. 27.
 Bust support. W. S. Maas. 2,413,060; Dec. 24.
 Busy test system. A. E. Joel, Jr. 2,392,090; Jan. 1.
 Butadiene and 2 butene, Azeotropic distillation of. F. E. Frey. 2,412,880; Dec. 17.
 Butadiene extraction. S. W. Wilson. 2,397,996; Apr. 9.
 Butadiene from propene and formaldehyde, Manufacture of. A. R. Workman. 2,412,762; Dec. 17.
 Butadiene in a more concentrated form, Obtaining. F. J. Soday. 2,395,959; Mar. 5.
 Butadiene, Making. I. L. Murray, J. L. Marsh, and S. P. Smith, Jr. 2,403,741-2; July 9.
 Butadiene manufacture. H. W. Scheeline. 2,412,911; Dec. 17.
 Butadiene-1,3 hydrocarbons, Acceleration of the polymerization of. E. S. Pfau. 2,397,201; Mar. 26.
 Butadiene process, Cyclic. M. E. Hitchcock and J. A. Field. 2,403,743; July 9.
 Butadiene, Production of. T. H. Manninen. 2,399,049; Apr. 23.
 Butadiene, Production of. W. J. Mattox. 2,395,058; Feb. 19.
 Butadiene purification. T. F. Doumani and D. A. Skinner. 2,408,970; Oct. 8.
 Butadiene, Recovery method in process for making. J. L. Marsh and M. E. Hitchcock. 2,395,057; Feb. 19.
 Butadiene, Separation of. E. J. Cannon and H. A. Stuewe. 2,409,250; Oct. 15.
 Butadiene-styrene elastomers. J. R. Vincent. 2,394,952; Feb. 12.
 Butadiene-styrene synthetic rubber, Curing. L. R. Sperber. 2,409,809; Oct. 22.
 Butane isomerization. E. L. D'Ouville and B. L. Everling. 2,409,260; Oct. 15.
 Butane, Isomerization of. R. J. Patterson. 2,404,923; July 30.
 Butane to isobutane, Isomerization of normal. C. W. Montgomery. 2,410,894; Nov. 12.
 Butanolamine salts of theophylline. R. S. Shelton. 2,404,319; July 16.
 Butter and butter oil concentrate, Making. I. J. Lundal and R. P. Robichaux. 2,407,612; Sept. 10.
 Butter extract. L. O. Buxton. 2,404,035; July 16.
 Butter extract, Production of. L. O. Buxton. 2,404,036; July 16.
 Butter, Extracting. L. O. Buxton. 2,404,037; July 16.
 Buttermaking means. H. C. Horneman, R. V. Hussong, S. N. Quam, and B. W. Hammer. 2,395,051; Feb. 19.
 Butter manufacture. A. W. Farrall. 2,406,819; Sept. 3.
 Butter product and producing same. L. O. Buxton. 2,404,034; July 16.
 Butterfly valve. E. P. Kinney and L. M. Hartwick. 2,393,170; Jan. 15.
 Butterfly valve. C. E. Sladky. 2,412,918; Dec. 17.
 Button, All-plastic integral eye molded. W. F. Reibold and R. P. Magnenat. 2,396,930; Mar. 19.
 Button and light shield therefor, Autocollimating. R. N. Freese. 2,393,896; Jan. 25.
 Button, Autocollimating. N. O. Broderson. 2,393,883; Jan. 29.
 Button, Cuff. O. V. Anderson. 2,396,668; Mar. 19.
 Button, Decorative. J. J. Hagerty. 2,397,856; Apr. 2.
 Button, Identification. F. D'Antonio. 2,411,987; Dec. 3.
 Button, Magnetic. R. Ellis. 2,397,931; Apr. 9.
 Button protector. R. A. Gaudin. 2,410,208; Oct. 29.
 Button, Reinforced plastic. F. G. Furinton. 2,402,079; June 11.
 Button, Screw thread micrometer. R. T. Easton and A. H. Griffith. 2,410,571; Nov. 5.
 Button spinning machine. B. Sklerov, H. Sklerov and J. Solinsky. 2,392,954; Jan. 15.
 Butt stock, Firearm. M. M. Johnson, Jr. 2,400,422; May 14.
 Butyl alcohol, acetone, and ethyl alcohol from watery solutions, Process and apparatus for producing in the pure state. A. Placek. 2,400,370; May 14.
 Butylene glycol from carbohydrate fermentation of mash, Recovery of. B. A. Walmesley and W. R. Davis. 2,397,065; Mar. 19.
 Ry-pass control valve. H. Cruzan. 2,392,213-14; Jan. 1.
 C clamp. A. W. Miller. 2,408,801; Oct. 8.
 Cab, Baby comfort. W. R. Tolen. 2,400,790; May 21.
 Cabin pressure control. P. A. Noxon. 2,396,116; Mar. 5.
 Cabin pressure control valve. B. E. Del Mar. 2,407,540; Sept. 10.
 Cabin pressure, Regulator. R. J. Schroeder. 2,402,681; June 25.
 Cabinet. See—
 Automatic type form cabinet. Refrigerator cabinet.
 Blood testing cabinet. Rotary ice cream dispensing cabinet.
 Filing cabinet. Safety key cabinet.
 Food dispenser cabinet. Sanitary pipe cabinet.
 Health cabinet. Sewing and knitting cabinet.
 Lens cleaning dispenser cabinet. Shower cabinet.
 Line-starter cabinet. Toilet or the like cabinet.
 Piezoelectric crystal cabinet.
 Cabinet. N. P. McGuire. 2,411,221; Nov. 19.
 Cabinet and machine support. H. K. Ullman. 2,401,526; June 4.
 Cabinet and shockmount base, Radio. H. T. Winchel. 2,407,804; Sept. 17.
 Cabinet combination, Shampoo. J. H. Bower. 2,409,187; Oct. 15.
 Cabinet construction, Low temperature. W. U. Vinton and A. H. Myers. 2,399,963; May 7.
 Cabinet construction, Low-temperature. R. D. West and W. U. Vinton. 2,399,967; May 7.
 Cabinet finishing tool. C. A. Hein. 2,400,929; May 28.
 Cabinet for disks and the like. J. A. Heckman. 2,402,044; June 11.
 Cabinet for disks and the like. D. L. Painter. 2,402,076; June 11.
 Cabinet for electrical apparatus. L. L. Holmes. 2,394,060; Feb. 5.
 Cabinet for storing toothbrushes, Wall. W. E. Dunleavy. 2,401,058; May 28.
 Cabinet-table, Portable. C. S. Orchard. 2,411,332; Nov. 19.
 Cable. See—
 Battery cable. Electric cable.
 Buoyant electric cable. Fire detector cable.
 Coating lead sheathed cable. Thermoresponsive cable.
 Cable. E. C. Myers. Re. 22,730; Mar. 5.
 Cable cutter. R. Temple. 2,411,909; Dec. 3.
 Cable for high-frequency oscillators, Power. F. J. Moles. 2,409,640; Oct. 22.
 Cable and electrode therefor, Buoyant. F. H. Gooding. 2,396,269; Mar. 12.
 Cable clamp. F. S. Everley. 2,401,418; June 4.
 Cable connection, High voltage. A. Meyerhans. 2,396,871; Mar. 19.
 Cable connector. E. A. Midling. 2,399,133; Apr. 23.
 Cable cutter. A. A. Kottmann. 2,402,057; June 11.
 Cable cutter. B. A. Wiener. 2,396,731; Mar. 19.
 Cable fitting. E. E. Hardesty. 2,394,609; Feb. 12.
 Cable for production of magnetic fields. E. W. Greenfield. 2,393,466; Jan. 22.
 Cable grip. W. D. Kyle. 2,398,013; Apr. 9.
 Cable harness clamp. W. L. Trafton. 2,404,110; July 16.
 Cable reel. A. F. Gambita. 2,406,676; Aug. 27.
 Cable lasher. V. M. Macy. 2,402,172; June 18.
 Cable, Prestressing. V. T. Swanson. 2,395,975; Apr. 23.
 Cable reel. J. J. Slomer. 2,395,302; Feb. 19.
 Cable slitting machine. W. C. Pope. 2,413,192; Dec. 24.
 Cable splice vulcanizing mold. W. G. Prentice. 2,407,683; Sept. 17.
 Cable-stitch holder. G. R. Marshall. 2,404,855; July 30.
 Cable straightener. A. Taramaschi. 2,407,040; Sept. 3.
 Cable stripping device. J. M. Lucarelle and E. Fedeli. 2,393,919; Jan. 29.
 Cable stripping tool. E. G. Torrence. 2,410,252; Oct. 29.
 Cable stripping tool. C. S. Vaughan, Jr. 2,398,979; Apr. 23.
 Cable system, Gas-filled. L. Wetherill. 2,401,595; June 4.
 Cable tension regulator. R. M. Sheldon. 2,405,062; July 30.
 Cable tension regulator. J. Sturgess, J. W. Cade, and C. W. Savitz. 2,405,377; Aug. 6.
 Cables, Joint and terminations for electric power. T. R. Scott and E. C. Lee. 2,402,451; June 18.
 Cables, Making elastic coil. P. C. Geraty. 2,394,762; Feb. 12.
 Cables, Terminating high tension. H. W. Papst. 2,396,283; Mar. 12.
 Cables, Vise for splicing. J. M. Huntington and J. W. Lawlor. 2,399,870; May 7.
 Caddy, Mechanical. R. E. Allen. 2,406,183; Aug. 20.

- Cadmium yellow pigment, Manufacture of. L. F. Nerlinger. 2,406,472; Aug. 27.
- Caffeine, Recovering. R. E. Kromers. 2,391,981; Jan. 1.
- Cage, Animal. W. Hegener. 2,410,879; Nov. 12.
- Cage construction unit, Teller. J. W. Calvert. 2,401,226; May 28.
- Cage, Fish. J. H. Ethridge. 2,413,552; Dec. 31.
- Cage for ball bearings. C. H. Smith and E. G. Longman. 2,407,388; Sept. 10.
- Cage member. W. B. Pope. 2,404,190; July 16.
- Cage, Queen bee shipping and introducing. J. Ashurst. 2,403,840; July 9.
- Cages, Making roller. O. H. Banker. 2,409,236; Oct. 15.
- Cages, Safety means for mine. E. Bjerke. 2,403,333; July 2.
- Caging mechanism. G. Long. 2,406,698; Aug. 27.
- Caissons and the like, Floatable substructural. T. Aston. 2,396,226; Mar. 12.
- Cake cutter. A. J. Parraga. 2,403,190; July 2.
- Cake, Decorated. T. McKee. 2,394,322; Feb. 5.
- Calcareous materials, Method and apparatus for heat treating. W. A. Reaney. 2,410,235; Oct. 29.
- Calculating apparatus. V. J. Azbe. 2,409,527; Oct. 15.
- Calculating materials, Method and apparatus for. W. E. Hessman. 2,409,206; Oct. 15.
- Calcium fluoride, Manufacturing of. E. J. Breton and W. H. Waggaman. 2,410,043; Oct. 29.
- Calculating device. W. F. Cleaver. 2,405,687; Aug. 13.
- Calculating device. J. R. Desch and R. E. Mumma. 2,404,697; July 23.
- Calculating device. Electronic. R. L. Snyder, Jr. 2,404,106; July 16.
- Calculating device, Hardness. J. C. Clifton and F. W. Rabarts. 2,392,461; Jan. 8.
- Calculating equipment, Electrically operated. L. B. Haigh. 2,411,540; Nov. 26.
- Calculating machine. D. Brodio. 2,408,134; Sept. 24.
- Calculating machine. B. Carlström, E. Grip, and S. Toorell. 2,398,286; Apr. 9.
- Calculating machine. G. C. Chase. 2,399,170; Apr. 30.
- Calculating machine. G. S. Christie. 2,396,249; Mar. 12.
- Calculating machine. C. M. Friden and A. B. Machado. 2,399,917; May 7.
- Calculating machine. C. M. Friden and A. B. Machado. 2,401,473; June 4.
- Calculating machine. C. M. Friden and A. B. Machado. 2,403,273; July 2.
- Calculating machine. C. M. Friden and J. L. Moody. 2,403,069; July 2.
- Calculating machine. J. M. Laiho. 2,410,823; Nov. 12.
- Calculating machine. W. B. Mathi. 2,400,244; May 14.
- Calculating machine. T. O. Mehan. 2,411,050; Nov. 12.
- Calculating machine. T. O. Mehan and H. E. Hoove. 2,396,188; Mar. 5.
- Calculating machine. J. L. Moody. 2,403,111; July 2.
- Calculating machine. R. E. Mumma. 2,404,739; July 23.
- Calculating machine, Key responsive. F. A. Niemann. 2,402,569; June 25.
- Calculating machine, Typewriting. C. D. Lake and F. E. Hamilton. 2,403,005; July 2.
- Calculating or indicating device. A. F. Pym. 2,392,877; Jan. 15.
- Calculator. H. G. McDowell. 2,393,922; Jan. 29.
- Calculator. A. L. Thurston. 2,405,803; Aug. 13.
- Calculator or distance and course computer, Rhumb line. J. E. Clemons and J. G. Nelson. 2,405,113; Aug. 6.
- Calculator, X-ray exposure. W. A. Williams. 2,411,491; Nov. 19.
- Caldron, Electric. B. I. Winn. 2,405,103; July 30.
- Calendar. C. P. Potter. 2,393,809; Jan. 29.
- Calendar. D. L. Skene. 2,400,268; May 14.
- Calendar, Dial. N. L. Dootson. 2,409,347; Oct. 15.
- Calendar, Perpetual. L. Bernstein. 2,411,185; Nov. 19.
- Calendar, Perpetual. J. Kaufman. 2,401,162; May 28.
- Calendar, Perpetual. E. L. Mayhew. 2,397,877; Apr. 2.
- Calibrating device. P. C. Gardiner and J. E. Maynard. 2,409,845; Oct. 22.
- Calliper. J. C. O'Loughlin. 2,394,328; Feb. 5.
- Calliper brace. J. Kolarik. 2,413,634; Dec. 31.
- Callipers, Continuous indicating. I. V. Thulin. 2,395,154; Feb. 19.
- Callipers, Double. D. H. Sayward. 2,410,686; Nov. 5.
- Calc. H. A. Sampson. 2,406,476; Aug. 27.
- Call key for automatic telephone dialers. T. W. MacKenzie. 2,398,171; Apr. 9.
- Calling device. J. E. Bosh. 2,394,360; Feb. 5.
- Calling system, Dial selective. C. W. Burcky. 2,411,191; Nov. 19.
- Can grinding machine. C. J. Green. 2,412,144; Dec. 3.
- Can mechanism. G. A. Crowther. 2,402,027; July 11.
- Can member, Adjustable. E. A. Pritchard. 2,402,447; June 18.
- Cannshaft assembly. N. P. Lloyd. 2,403,868; July 9.
- Camera. W. J. Cameron. 2,400,483; May 21.
- Camera. I. W. Doyle, A. G. Nash, and F. W. Stiltwagen. 2,399,476; Apr. 30.
- Camera. L. Frankel. 2,413,443; Dec. 31.
- Camera. J. N. Graef. 2,406,366; Aug. 27.
- Camera. W. C. Huebner. 2,406,770; Sept. 3.
- Camera. V. E. Pratt. 2,407,902; Sept. 17.
- Camera. A. Ringer. 2,395,194; Feb. 19.
- Camera. S. N. Wekeman. 2,402,107; June 11.
- Camera. S. N. Wekeman. 2,408,247; Sept. 24.
- Camera attachment, Coupling means for. H. Nagel. 2,401,367; June 4.
- Camera bed plates, Adjusting. F. P. Willcox. 2,397,573; Apr. 2.
- Camera construction, Photograph. M. Schwartz and W. Castedello. 2,403,308; July 2.
- Camera, Continuous strip. G. E. Merritt and B. W. Jones. 2,397,031; Mar. 19.
- Camera diaphragm, Electrically controlled. E. S. Peterson. 2,399,407; Jan. 22.
- Camera drum box. J. W. McCutcheon. 2,409,949; Oct. 22.
- Camera, Folding photographic. D. G. Hunter. 2,406,772; Sept. 3.
- Camera for aerial photography. D. Hancock, Jr., and H. E. Meinema. 2,413,349; Dec. 31.
- Camera, High-speed. C. D. Miller. 2,400,885; May 28.
- Camera, High-speed motion-picture. C. D. Miller. 2,400,887; May 28.
- Camera, Miniature. C. V. Berry. 2,410,327; Oct. 29.
- Camera, Multishutter. J. A. London. 2,413,058; Dec. 24.
- Camera operating control. G. T. Burrell. 2,410,925; Nov. 12.
- Camera or printer, Continuous. R. Place. 2,411,694; Nov. 26.
- Camera, Photographic. R. P. K. W., K. B. Beattie, and R. P. Beattie, II. 2,411,704; Nov. 26.
- Camera, Photographic. J. Bolsey. 2,409,605; Oct. 15.
- Camera, Photographic. G. A. Brueske. 2,405,549; Oct. 1.
- Camera, Photographic. H. Nagel and J. L. Crooks. 2,397,874; Mar. 19.
- Camera, Photographic. J. G. Zuber. 2,392,212; Jan. 1.
- Camera, Photographic roll film. C. Kallusch. 2,395,828; Mar. 5.
- Camera, Professional photographic. M. Resk. 2,408,811; Oct. 8.
- Camera, Recording. W. Levine. 2,406,152; Aug. 20.
- Camera, Reduction. L. S. Williams. 2,412,761; Dec. 17.
- Camera, Roll film. E. F. McDonald, Jr., and K. Emde. 2,396,869; Mar. 19.
- Camera, Scanning. F. T. Sonne and V. Sussin. 2,409,597; Oct. 15.
- Camera shutter. C. H. Harris. 2,397,546; Apr. 2.
- Camera shutter. C. G. Tranfors. 2,398,567; Apr. 16.
- Camera shutter blade opener. C. C. Fuerst. 2,412,681; Dec. 3.
- Camera, Shutterless aerial. R. R. Vought. 2,401,530; June 4.
- Camera, Tilting. B. Wheelwright. 2,413,272; Dec. 24.
- Cameras, Automatic operation of diaphragms and shutters for portrait. S. Kala. 2,397,742; Apr. 2.
- Cameras for making flashlight aerial photographs, Operating aerial. O. Steiner. 2,398,575; Jan. 22.
- Camouflage detection. E. E. Jelley and L. S. Wilder. 2,403,722; July 9.
- Camouflage detection. E. I. Stearns and W. A. Shurcliff. 2,402,786; June 25.
- Camouflage structure, Cardboard. J. V. Horr. 2,393,776; Jan. 29.
- Campaign bar and mounting therefor. J. Wolf. 2,392,351; Jan. 8.
- Campbor tablets, Making transparent. G. Etzel and T. E. Dillon. 2,395,321; Feb. 19.
- Can: See—
- Deodorant can.
- Can and marking means. A. L. Kronquest. 2,406,151; Aug. 20.
- Can-beading machine. W. I. Gladfelter and W. A. Ehrlich. 2,407,776; Sept. 17.
- Can feed. Oval. J. Albertolt. 2,405,805; Aug. 13.
- Can-feeding means. C. H. Abbott. 2,399,087; Apr. 23.
- Can feeding mechanism. J. Simpson. 2,395,511; Feb. 26.
- Can making machine. L. L. Jones. 2,409,631; Oct. 22.
- Can opener. J. M. Johnson. 2,403,373; July 2.
- Can opener. T. A. Long. 2,411,099; Nov. 12.
- Cans. R. S. Solinsky. 2,403,030; July 2.
- Cans or similar containers, Device for sealing cylindrical. G. K. Charles. 2,401,461; June 4.
- Candle holder. R. L. Gould. 2,393,767; Jan. 29.
- Cane and sorghum, Utilizing maize. A. Zajotti and C. Tellini. 2,404,762; July 23.
- Cane, Shell. R. R. Dumbleton. 2,392,083; Jan. 1.
- Canister, Air purifying. W. P. Yant. 2,400,185; May 14.
- Canister, Gas mask. W. E. Gross. 2,406,368; Aug. 27.
- Canister, Support. F. M. Hobson and E. E. Brady, Jr. 2,400,146; May 14.
- Canning device. R. H. Wolf. 2,393,491; Jan. 22.
- Cannon feed unit. E. J. Meyer. 2,397,501; Apr. 2.
- Cannula. A. P. Hudgins. 2,392,045; Jan. 1.
- Cane of the like, Sectional. E. A. Link. 2,406,085; Aug. 20.
- Canvas device, Antiskid. A. Porcelli. 2,408,152; Sept. 24.
- Cap: See—
- Air relief gas pressure relief bottle cap. Hair waving cap.
- Bottle cap. Hood cap.
- Container cap. Military cap.
- Detonator or blasting cap. Projectile cap.
- Flue cap. Radiator pressure cap.
- Valve cap. Valve cap.

- Cap. J. W. Fankhanel. 2,392,238; Jan. 1.
Cap. arranging device. J. Hohl and L. Klatt. 2,400,419; May 14.
Cap. cleaner. G. L. Reensterna. 2,396,388; Mar. 12.
Cap. for collapsible tubes, Conical. G. L. Lateur. 2,404,879; July 30.
Cap. for exhaust pipes and the like. S. R. Rubin. 2,402,069; June 25.
Cap. for shoes, Box toe. F. N. La Chapelle. 2,401,574; June 4.
Caps. bottles. C. J. Malm and G. J. Clarke. 2,403,734; July 9.
Caps or covers. Method and apparatus for making. L. G. Zesbaugh. 2,407,465; Sept. 10.
Capacitor, Electrical. K. H. Ballard. 2,395,442; Feb. 26.
Capacitor, Electrical. A. J. Deyrup. 2,398,176; Apr. 9.
Capacitor, Electrical. W. Dubilier. 2,398,417; Apr. 16.
Capacitor fuel gauge. F. R. Sias and D. B. Pearson. 2,409,073; Oct. 8.
Capacitor protection. Series. R. E. Marbury. 2,399,367.
Capacitor, Water-cooled. R. E. Marbury and C. V. Fields. 2,412,898; Dec. 17.
Capacitors, Making mica. J. A. Fried. 2,403,971; July 16.
Capacitors, Manufacture of electrical. K. H. Ballard. 2,399,313; Apr. 30.
Capacity controlled textile press. G. C. Devol, Jr., E. M. Pritchard, and E. W. Sherman. 2,395,780; Feb. 26.
Capacity switch. O. M. Woodward. 2,400,619; May 21.
Cape. Shampoo. C. B. O. Larkin. 2,413,456; Dec. 31.
Capillary active agents. W. Hentrich, H. J. Engelbrecht, and E. Schirm. 2,394,307; Feb. 5.
Caponizing instrument. I. L. Weber and M. H. Weber. 2,406,647; Aug. 27.
Capper. Bottle. R. Sonnenberg. 2,397,297; Mar. 26.
Capsule. J. O. Scherer. 2,397,051; Mar. 19.
Capsule cleaner. N. L. Kisting. 2,401,081; May 28.
Capsule filling device. R. W. Smith. 2,412,637; Dec. 17.
Capsule, Hydraulic scale. B. D. Feld. 2,411,251; Nov. 19.
Capsules, Forming closed metal. G. E. Franck. 2,405,201; Aug. 6.
Car: See—
High capacity mine car. Shuttle car.
Railway car. Tractor drawn freight hauling car.
Railway freight car.
Refrigerator car.
Car and trailer, Hopper bottom. J. D. Benbow and G. W. Sines. 2,401,407; June 4.
Car bodies, Making railway. A. C. Lobse. 2,405,793; Aug. 13.
Car body. N. H. S. Pehrson. 2,411,226; Nov. 19.
Car brake. L. G. Miller and W. H. Statler. 2,411,974; Dec. 3.
Car construction. G. E. Dath. 2,402,987; July 2.
Car construction. D. Hindahl. 2,409,856; Oct. 22.
Car construction. J. F. Monger. 2,392,759; Jan. 8.
Car construction, Dump. F. Hoelzgen. 2,405,696; Aug. 13.
Car coupling. A. R. Biedess. 2,395,716; Feb. 26.
Car-dumping apparatus. G. W. Merritt. 2,407,569; Sept. 10.
Car-loaded boxes, Spacer for. C. M. Ellis. 2,402,808; June 25.
Car roof joint. J. M. Rudel. 2,413,379; Dec. 31.
Car roof, Railway. V. E. West. 2,410,191; Oct. 29.
Car roof structure. A. F. O'Connor. 2,412,283; Dec. 10.
Car structure, Railway. G. G. Gilpin. 2,409,035; Oct. 8.
Car structure, Railway refrigerator. E. R. Bartley and G. E. McCoy. 2,402,980; July 2.
Carboxylation of organic compounds. V. H. Wallingford and A. H. Homeyer. 2,407,942; Sept. 17.
Carbamate and polymers thereof, Unsaturated. A. G. Chienick. 2,401,549; June 4.
Carbamate, Unsaturated. F. Straln. 2,397,631; Apr. 2.
Carbamide derivatives, Manufacture of. J. R. Durland. 2,410,407; Nov. 5.
Carbazole from crudes thereof, Separating. J. O'Brochta and H. Rodman, Jr. 2,407,677; Sept. 17.
Carbiding. E. A. Thurber and L. A. Wooten. 2,400,893; May 28.
Carbine. F. W. Sampson. 2,405,758; Aug. 13.
Carbohydrate derivatives. J. N. Borglin. 2,392,359; Jan. 8.
Carbon, Activating primary. W. C. and O. P. M. Goss. 2,405,206; Aug. 6.
Carbon arc electrode holder. S. Chronis. 2,405,403; Aug. 6.
Carbon black, Method and apparatus for producing. F. H. Amon. 2,399,591; Apr. 30.
Carbon black, Treatment of. H. M. Smallwood. 2,408,696; Oct. 1.
Carbon body, Insulated. O. Conrady. 2,394,041; Feb. 5.
Carbon dioxide from gases, Extracting. F. H. May. 2,395,565; Feb. 26.
Carbon dioxide from gases, Recovering. F. H. May. 2,395,564; Feb. 26.
Carbon disulphide, Purifying. M. L. Spealman. 2,402,785; June 25.
Carbon for arc lights. E. M. Miller. 2,393,396; Jan. 22.
Carbon holder. A. T. Steingard. 2,407,854; Sept. 17.
Carbon, Making of activated. A. M. Thomsen. 2,403,140; July 2.
Carbon, Manufacture of activated. A. C. Stoneman. 2,402,304; June 18.
Carbon pack for manifolding typewriters. L. A. Pettit. 2,393,409; July 22.
Carbon pieces, Making artificial. A. Richon. 2,403,301; July 2.
Carbon pile electric regulator. J. H. Johnston. 2,412,811; Dec. 17.
Carbon pile regulator. W. J. Rady. 2,400,136; May 14.
Carbon pile voltage regulator. W. G. Neild. 2,405,514; Aug. 6.
Carbon shapes, Decreasing the permeability of fabricated. L. F. Marek. 2,392,682; Jan. 8.
Carbon to sheets, Applying. J. A. La Hatte and R. B. Smith. 2,402,559; June 25.
Carbonating device. J. H. Goldberg. 2,402,132; June 18.
Carbonator. P. Andron and H. Krichman. 2,404,679; July 23.
Carbonator. C. V. Di Pietro. 2,401,916; June 11.
Carbothermic magnesia. A. C. Byrns. 2,410,267; Oct. 29.
Carboxylic acid anhydrides, Manufacture of. J. W. Fisher. 2,411,567; Nov. 26.
Carboxylic acid substituted amines, Forming. F. C. Bersworth. 2,411,019; Nov. 12.
Carbonyl and assembling. J. W. Nygren. 2,410,179; Oct. 29.
Carburation apparatus for internal-combustion engines and the like. C. A. Pugh. 2,408,379; Oct. 8.
Carburetor. H. A. Carlson. 2,407,534; Sept. 10.
Carburetor. H. A. Carlson and O. J. Eickmann. 2,407,535; Sept. 10.
Carburetor system for internal-combustion engines. L. A. Serrano. 2,406,913; Sept. 3.
Carburetor. J. F. Armstrong. 2,397,520; Apr. 2.
Carburetor. G. M. Bicknell. 2,402,361; June 18.
Carburetor. G. M. Bicknell. 2,408,726; Oct. 8.
Carburetor. M. E. Chandler. 2,393,144; Jan. 15.
Carburetor. M. E. Chandler. 2,393,290; Jan. 22.
Carburetor. R. D. Curk. 2,412,563; Dec. 17.
Carburetor. S. F. Czerner. 2,409,739; Oct. 22.
Carburetor. D. J. Enright. 2,405,563; Aug. 13.
Carburetor. G. R. Ericson. 2,402,742; Apr. 9.
Carburetor. S. F. Hunt. 2,403,720; July 9.
Carburetor. M. E. Jones. 2,395,547; Feb. 26.
Carburetor. M. E. Jones. 2,399,637; May 7.
Carburetor. M. Mallory. 2,404,645; July 23.
Carburetor. O. Oswald. 2,393,118; Jan. 15.
Carburetor. R. W. Sloane and E. M. Blumberg. 2,406,114; Aug. 20.
Carburetor. A. L. Thompson. 2,410,758; Nov. 5.
Carburetor accelerating pump. W. H. Weber. 2,400,035; May 7.
Carburetor anti-clogging device. S. E. Heymann. 2,398,094; Apr. 9.
Carburetor arrangement. A. B. Metsger. 2,396,279; Mar. 12.
Carburetor attachment. J. Hutchinson. 2,409,937; Oct. 22.
Carburetor, Auxiliary. H. C. Ware. 2,399,841; May 7.
Carburetor device. H. A. Carlson and O. J. Eickmann. 2,394,663; Feb. 12.
Carburetor, Dual. S. M. Udale. 2,399,079; Apr. 23.
Carburetor for internal-combustion engines. M. Mallory. 2,392,681; Jan. 8.
Carburetor, High pressure fuel. T. A. St. Clair. 2,393,125; Jan. 15.
Carburetor, Nonclogging. G. M. Bicknell. 2,410,564; Nov. 5.
Carburetor of the fuel injection type. M. L. Mennesson. 2,392,055; Jan. 1.
Carburetor, Power limiting. S. M. Udale. 2,399,077; Apr. 23.
Carburetor, Pressure. S. M. Udale and B. Beard. 2,396,031; Mar. 5.
Card, Display. E. C. Chittum. 2,401,615; June 4.
Card display. C. Newman. 2,401,477; May 27.
Card filing or grouping apparatus. I. B. Whetstone. 2,411,645; Nov. 26.
Card index. A. M. Soria and R. Celesia. 2,402,301; June 18.
Card mounting or the like, Ornamental. J. Byck. 2,394,980; Feb. 19.
Card playing device. M. A. Von Babo. 2,395,088; Feb. 19.
Card playing instruction device. M. A. Von Babo. 2,395,087; Feb. 19.
Card selector machine. W. H. van Beneschoten. 2,395,923; Mar. 5.
Card selector machine. W. H. Wade. 2,395,924; Mar. 5.
Card selector machine. C. Walker. 2,395,306; Feb. 19.
Card table accessory, Multiple purpose. M. Skinner. 2,400,619; May 21.
Card terminal plug. J. M. Sions. 2,408,583; Oct. 1.
Carding engine. J. Locke. 2,403,384; July 2.
Cards, Mounting and display. A. R. Nutt. 2,403,746; July 9.
Cargo carrier. C. A. Volf. 2,404,673; July 23.
Cargo ship construction. F. Thompson. Re. 22,815; Dec. 3.
Cargo stop. E. C. Seward. 2,411,900; Dec. 3.
Carotene extraction. H. M. Barnett. 2,412,707; Dec. 17.
Carotene, Purification of. M. E. Wall and E. G. Kelley. 2,394,278; Feb. 5.

- Carriage: See—
 Baby carriage.
 Carriage, W. A. Spear. 2,401,387; June 4.
 Carriage, Baby. S. and N. J. Kroll. 2,399,359; Apr. 30.
 Carriage, Baby. C. A. Wylie. 2,395,208; Feb. 19.
 Carriage chuck and boring bar. J. P. Johnson. 2,401,078; May 28.
 Carriage for metal drawing apparatus. R. W. Andrews, Jr., and A. T. Dilly. 2,410,594; Nov. 5.
 Carriage, Miner's drill. S. W. McDougall. Re. 22,746; Apr. 23.
 Carriage, Steering body. E. Lachance. 2,398,650; Apr. 16.
 Carriage, Track roller. D. D. Brush. 2,412,598; Dec. 17.
 Carriage with airplanes for sustaining same, Master. J. O. Savage. 2,413,074; Dec. 24.
 Carriage, Work. C. K. Lamb. 2,405,259; Aug. 6.
 Carrier: See—
 Article or luggage carrier. Flying aircraft carrier.
 Automobile luggage carrier. Game carrier.
 Auxiliary wheel and tire carrier. Golf bag carrier.
 Carrier. Grain carrier.
 Beverage bottle carrier. Human carrier.
 Bicycle carriage. Luggage carrier.
 Bottle carrier. Orifice plate carrier.
 Bottle holder and carrier. Portable bottle carrier.
 Cargo carrier. Shopping bag carrier.
 Cartridge carrier. Tank carrier.
 Collapsible bottle carrier. Vehicle wheel carrier.
 Detachable luggage carrier. Wheeled carrier.
 Drill-bit carrier. Work carrier.
 Carrier and carton, Foldable end wall. W. A. Ringer. 2,406,711; Aug. 27.
 Carrier apparatus. J. E. Gorrell and A. S. Thyberg. 2,396,368; Mar. 12.
 Carrier attachment for mobile cranes, Retractable front. M. M. Botnick. 2,411,022; Nov. 12.
 Carrier, Convertible and adjustable article. J. E. Kalske. 2,394,782; Feb. 12.
 Carrier current control system. P. B. Korneke, Jr. 2,394,786; Feb. 12.
 Carrier for automobiles, Platform. P. L. Hemp. 2,394,447; Feb. 5.
 Carrier for full-fashioned knitting machines. R. J. Scheller. 2,407,103; Sept. 3.
 Carrier for milk cans and the like, Wheeled. J. R. Jimenez. 2,396,325; Mar. 12.
 Carrier for revolver loaders. H. C. Lima. 2,396,184; Mar. 5.
 Carrier for workmen, Wire. J. P. Hickey. 2,400,417; May 14.
 Carrier, Game. S. S. Reishus. 2,394,805; Feb. 12.
 Carrier modulation. L. M. Leeds. 2,393,785; Jan. 29.
 Carrier projectile. F. Larvick. 2,396,606; Mar. 19.
 Carrier structure. C. C. Smith and D. V. Water. 2,409,518; Oct. 15.
 Carrier telegraph terminal circuit. J. H. Brundage. 2,395,451; Feb. 26.
 Carrier-wave generating system. N. P. Case. 2,398,694; Apr. 16.
 Carriers for trucks or the like, Spare tire. O. F. Ullman. 2,400,274; May 14.
 Carrying apparatus. H. E. Robinson. 2,394,264; Feb. 5.
 Carrying case. H. S. Hunt. 2,405,955; Aug. 20.
 Carrying case. J. A. Obermaier. 2,397,975; Apr. 9.
 Carrying device, Bottle. B. R. and R. C. Bradley. 2,401,679; June 4.
 Carrying device, Portable. H. A. Caton. 2,399,786; May 7.
 Carrying rack. F. Haloski. 2,392,043; Jan. 1.
 Carrying, transferring, and shut-off devices, Fluid. L. W. Vizay. 2,405,864; Aug. 13.
 Cars, Spring suspension for railroad. A. F. Hickman. 2,402,161; June 18.
 Cart. J. G. and R. A. Cunningham. 2,393,149; Jan. 15.
 Cart, Basket carrying. H. I. Sides. 2,398,863; Apr. 23.
 Cart, Cafeteria. J. R. and D. H. Boldt. 2,413,164; Dec. 24.
 Cart, Collapsible child's. A. R. Jackson. 2,395,275; Feb. 19.
 Cart, Golf club. C. F. Hartung. 2,411,965; Dec. 3.
 Cart, Pack. H. C. Talbott. 2,401,986; June 11.
 Cart, Push. G. F. Sirman. 2,406,169; Aug. 20.
 Cart, Shopping. W. S. Brede. 2,393,020; Jan. 15.
 Cart, Utility hand. H. Sr., Jr., and L. Klinzmann. 2,399,642; May 7.
 Cartography. R. B. Fuller. 2,393,676; Jan. 29.
 Carton. P. Belden. 2,399,537; Apr. 30.
 Carton. A. E. Bentham. 2,398,402; Apr. 16.
 Carton. A. E. Bentham. 2,401,742; June 11.
 Carton. W. P. Frankenstein. 2,397,135; Mar. 26.
 Carton. W. P. Frankenstein. 2,397,934; Apr. 9.
 Carton. S. R. Howard. 2,395,663; Feb. 26.
 Carton. S. Lighter. 2,395,558; Feb. 26.
 Carton. F. A. Marx. 2,399,649; May 7.
 Carton. V. R. Pantalone. 2,397,041; Mar. 19.
 Carton and blank, Pouring. J. J. Sullivan. 2,403,138; July 2.
 Carton construction, Molded. R. Guyer and R. M. Dunning. 2,411,622; Nov. 26.
 Carton for sealing by immersion. S. Bergstein. 2,412,031; Dec. 3.
 Carton forming and filling machine. E. S. Tascher and W. Bazant. 2,412,370; Dec. 10.
 Carton forming machine. E. S. Tascher. 2,412,369; Dec. 10.
 Carton, Lined. H. J. Stotter. 2,407,802; Sept. 17.
 Carton, Liquid. O. P. Downing. 2,393,758; Jan. 29.
 Carton, Novelty. S. Isenberg. 2,396,010; Mar. 5.
 Carton, One-piece, self-locking. A. C. Beardsell. 2,398,277; Jan. 22.
 Carton, One-piece self-locking. A. C. Beardsell. 2,393,734; Jan. 29.
 Carton or container. K. T. Buttery. 2,403,047; July 2.
 Carton, Peppercorn. C. A. Stopper. 2,400,443; May 14.
 Carton, Receptacle dispensing. W. E. Amberg. 2,405,107; Aug. 6.
 Carton, Reclosable. G. Yungblut. 2,396,310; Mar. 12.
 Carton, Sift-proof. T. F. Cass, Jr. 2,406,061; Aug. 20.
 Carton with bellows closure, Liquidproof fiberboard. J. A. Zinn, Jr. 2,412,666; Dec. 17.
 Carton with transparent window, Paper display. J. D. Caimi. 2,409,736; Oct. 22.
 Cartridge. R. E. McGahey, Jr. 2,394,249; Feb. 5.
 Cartridge assembly, Explosive. T. F. Bennett. 2,403,488; July 9.
 Cartridge assembly, Explosive. R. Martin. 2,396,518; Mar. 12.
 Cartridge, Bearing seal. D. N. Evans. 2,405,120; Aug. 6.
 Cartridge carrier. R. M. Perry. 2,397,200; Mar. 26.
 Cartridge carrier. R. M. Perry. 2,413,580; Dec. 31.
 Cartridge cases and the like, Manufacture of. W. H. Raven and W. H. Heron. 2,397,370; Mar. 26.
 Cartridge crystal holder. S. A. Bokovoy. 2,395,034; Feb. 5.
 Cartridge cutting and trimming device. G. T. Smiley. 2,395,200; Feb. 19.
 Cartridge, Dry firing. J. F. Jack. 2,405,308; Aug. 6.
 Cartridge, Explosive. H. C. Grant, Jr. 2,393,629; Jan. 29.
 Cartridge firing device for cannons, guns, etc., Blank. B. H. Smith. 2,396,896; Mar. 19.
 Cartridge for actuating gas pressure operated mechanical devices. E. Whitworth, T. Thomson, and R. Wark. 2,398,683; Apr. 16.
 Cartridge for guns. J. O. Evans, Jr. 2,410,435; Nov. 5.
 Cartridge machines, Selective loader for. J. H. Woodberry and F. W. Hoewelscher. 2,402,195; June 18.
 Cartridge, Waterproof explosive. A. W. Baker. 2,408,189; Sept. 24.
 Cartridges, abrasive sheets, scouring pads and the like, Making filter. F. W. Manning. 2,411,660; Nov. 26.
 Case: See—
 All purpose utility pencil. Hypodermic needle case.
 case. Instrument case.
 Beverage bottle case. Key case.
 Bottle case. Leakproof powder case.
 Carrying case. Packing case.
 Cigarette case. Plastic milk carton case.
 Combination cigarette and card case. Pocket case.
 Compartmented fiberboard egg case. Projectile case.
 Cosmetic case. Tiltable shelves drill holder case.
 Drill case. Water resistant watch case.
 Case. A. J. Schwartz. 2,397,439; Mar. 26.
 Case and table, Combined carrying. J. Milkoff. 2,406,237; Aug. 20.
 Case core members for electrical apparatus. G. R. Anderson. 2,392,802; Jan. 15.
 Case for internal-combustion engines, Crank. T. L. Fawick. 2,394,675; Feb. 12.
 Case for lipstick and the like. C. Nehrke. 2,402,072; June 11.
 Case for wrist watches and the like, Display. W. Helbein. 2,411,161; Oct. 9.
 Case hardening. R. G. Le Tourneau. 2,401,833; June 11.
 Case hardening hollow metal members. C. L. Snyder. 2,398,809; Apr. 23.
 Case or crate and shank therefor, Shipping. G. G. Wheat. 2,406,448; Aug. 27.
 Case unloading machine. A. C. Davis. 2,400,542; May 21.
 Cased drill hole, Method and apparatus for investigation of. J. Neufeld. 2,400,593; May 21.
 Casein compound. C. D. Ender. 2,401,919; June 11.
 Casein from seeds, Extraction of. R. L. Wormell. 2,406,650; Aug. 27.
 Cash register. W. S. Gubelmann. 2,404,170; July 16.
 Cashew nut shell liquor, Treating. N. E. Berry and R. E. Kremers. 2,402,940; July 2.
 Casing. A. J. Freeman. 2,410,206; Oct. 29.
 Casing, Cooled boiler. D. M. Schoenfeld. 2,393,822; Jan. 29.
 Casing for lateral bores, Well. J. A. Zublin. 2,397,070; May 19.
 Casing for truck and freight car heaters. P. A. and E. M. Anderson, Sr., E. W. Hansen, and J. H. Edwards. 2,407,124; Sept. 3.
 Casing, Magnetron. P. L. Spencer. 2,408,236; Sept. 24.
 Casing, Sectional enclosing. C. W. Wood. 2,401,598; June 4.

- Casing structure, Toaster. J. R. Hellman. 2,407,984; Sept. 24.
- Casing, Toy and ball. E. C. Bailliere. 2,407,734; Sept. 17.
- Castings, Forming and pretesting. F. H. Reichel. 2,401,798; June 11.
- Casket and vault, Combined burial. W. E. Woody. 2,406,522; Aug. 27.
- Casket construction. W. H. Thommen. 2,392,298; Jan. 1.
- Casket handle. W. Zaiser. 2,393,443; Jan. 22.
- Casket rack. M. E. Miller. 2,400,312; May 14.
- Cast phenolic resin, Hardening. H. J. Luth. 2,395,675; Feb. 26.
- Castrola latex, Coagulation of. T. F. Ford. 2,411,033; Nov. 12.
- Casting, Centrifugal. A. E. Schuh and A. Boyles. 2,399,606; Apr. 30.
- Casting, Centrifugal. H. G. Specht. 2,406,860; Sept. 3.
- Casting machine. C. Wessel. 2,407,334; Sept. 10.
- Casting machine. A. R. Willard. 2,393,213; Jan. 15.
- Casting machine, Centrifugal. J. S. Morgan, Jr. 2,399,446; Apr. 30.
- Casting, Stereotype plate. F. A. Foster. 2,400,987; June 28.
- Casting, Stereotype plate. F. A. Foster. 2,401,727; June 11.
- Castings, Forming. W. Dillon. 2,410,813; Nov. 12.
- Castings, Making metal. C. Wessel. 2,411,176; Nov. 19.
- Castor oil, and in castor oil containing products, Treatment of. A. J. Paluszec. 2,401,369; June 4.
- Cathode. B. Bannister. 2,391,939; Jan. 1.
- Catalysis. E. J. Houdry and H. A. Shabaker. 2,399,678; May 7.
- Catalyst. J. W. Teter. 2,398,899; Apr. 23.
- Catalyst. J. W. Teter. 2,406,929; Sept. 3.
- Catalyst and preparation. B. W. Howk. 2,402,626; June 25.
- Catalyst and production of vinyl esters. W. V. Freed. 2,411,962; Dec. 3.
- Catalyst catalytic cracking, Fluid. J. B. Wyman and H. D. Loeb. 2,405,922; Aug. 13.
- Catalyst chamber. W. W. Roach and D. G. Blaker. 2,399,827; May 7.
- Catalyst, Conversion. J. C. Baille, L. Heard, and R. V. Shankland. 2,404,024; July 16.
- Catalyst, Dehydrogenation. C. L. Gutzeit. 2,408,140; Sept. 24.
- Catalyst in hydrocarbon conversion reactions, Separation and recovery of soluble. M. H. Gorin and W. Swordoff. 2,412,143; Dec. 3.
- Catalyst manufacture. H. V. Atwell. 2,408,187; Sept. 24.
- Catalyst manufacture. J. R. Bates. 2,395,836; Mar. 5.
- Catalyst manufacture. G. H. Keating. 2,409,494; Oct. 15.
- Catalyst manufacture. E. Solomon and L. C. Rubin. 2,406,477; Aug. 27.
- Catalyst material, Recovering. H. J. Ogorzaly. 2,393,554; Jan. 22.
- Catalyst preparation. A. L. Foster. 2,408,164; Sept. 24.
- Catalyst preparation. J. D. Upham. 2,406,987; Sept. 24.
- Catalyst, Producing. R. B. Mason. 2,410,890; Nov. 12.
- Catalyst production. G. H. Keating. 2,408,215; Sept. 24.
- Catalyst reactor, Fluid. E. D. Reeves. 2,411,592; Nov. 26.
- Catalyst regeneration. W. F. Claussen. 2,396,157; Mar. 5.
- Catalyst regeneration. J. W. Loy. 2,398,186; Apr. 9.
- Catalyst, Regeneration of spent. C. G. Gerhold and L. A. Mekler. 2,394,680; Feb. 12.
- Catalyst rejuvenation. R. L. Parker, Jr., and H. C. Huffman. 2,408,996; Oct. 8.
- Catalyst, Treatment of. W. G. Scharmann. 2,400,025; May 7.
- Catalysts. H. A. Cheney. 2,407,814; Sept. 17.
- Catalysts. H. C. Huffman. 2,411,829; Nov. 26.
- Catalysts. W. N. Ipatieff and L. Schermerling. 2,402,051; June 11.
- Catalysts. R. J. Patterson. 2,395,291; Feb. 19.
- Catalysts. J. A. Pierce and W. E. Spicer. 2,403,753; July 9.
- Catalysts. J. W. Teter. 2,392,107; Jan. 1.
- Catalysts, Activating. G. F. Horsley. 2,408,396; Oct. 1.
- Catalysts and catalytic processes. F. J. Ewing. 2,410,436; Nov. 5.
- Catalysts, Hydrogenation and dehydrogenation. M. M. Stewart. 2,400,959; May 28.
- Catalysts, Manufacture. G. M. Webb and M. A. Smith. 2,410,558; Nov. 5.
- Catalysts, Manufacture of. K. D. Ashley and A. O. Jaeger. 2,411,820; Nov. 26.
- Catalysts, Manufacture of. G. M. Webb and M. A. Smith. 2,406,646; Aug. 27.
- Catalysts, Manufacture of supported. H. A. Cheney. 2,407,813; Sept. 17.
- Catalysts, Recovery of. R. E. Burk. 2,400,874; May 28.
- Catalysts, Regeneration of cracking. J. R. Schonberg and D. L. Campbell. 2,412,696; Dec. 17.
- Catalysts, Supported oxide. W. Hull. 2,401,246; May 28.
- Catalysts, Treatment of sulphide. R. M. Cole. 2,398,175; Apr. 9.
- Catalytic alkylation process. H. J. Hepp. 2,408,167; Sept. 24.
- Catalytic alkylation process. A. W. Horton. 2,410,070; Oct. 29.
- Catalytic alkylation process. A. W. Horton, J. W. Brooks, and A. O'Kelly. 2,410,071; Oct. 29.
- Catalytic alkylation process. J. B. Kirkpatrick, J. J. Somers, and A. N. Sachanen. 2,406,776; Sept. 3.
- Catalytic alkylation process. C. S. Kuhn, Jr. 2,403,931; July 16.
- Catalytic alkylation process. M. P. Matuszak. 2,394,929; Feb. 12.
- Catalytic alkylation process. A. A. O'Kelly, J. Plucker, III, and R. H. Work. 2,407,033; Sept. 3.
- Catalytic and thermal conversions, Combination. J. M. Barron. 2,403,486; July 9.
- Catalytic benzene synthesis. O. Roelen and W. Feisst. 2,398,462; Apr. 16.
- Catalytic contacting method. L. D. Kleiss. 2,392,798; Jan. 8.
- Catalytic conversion. L. S. Kassel. 2,411,996; Dec. 3.
- Catalytic conversion. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,412,917; Dec. 17.
- Catalytic conversion. E. W. Thiele. 2,400,176; May 14.
- Catalytic conversion, Method and apparatus for. E. E. Sinsel. 2,411,760; Nov. 26.
- Catalytic conversion of carbonaceous materials. J. Burgin. 2,407,918; Sept. 17.
- Catalytic conversion of hydrocarbons. P. L. Veltman. 2,394,412; Feb. 5.
- Catalytic conversion of hydrocarbons. G. B. Zimmerman. 2,412,025; Dec. 3.
- Catalytic conversion of hydrocarbons and the preparation of catalyst therefor. W. A. Bailey, Jr. and J. Burgin. 2,407,914; Sept. 17.
- Catalytic conversion process. M. H. Arveson. 2,398,489; Apr. 16.
- Catalytic conversion process. P. W. Cornell. 2,402,875; June 25.
- Catalytic conversion process. T. B. McCulloch. 2,404,080; July 16.
- Catalytic conversions. W. P. Gage. 2,392,284; Jan. 1.
- Catalytic conversions in the presence of ferrous metals, Execution of. R. M. Cole and I. I. Shultz. 2,394,750; Feb. 12.
- Catalytic cracking. C. L. Thomas and J. E. Ahlberg. 2,395,153; Feb. 19.
- Catalytic cracking and catalyst reactivation. R. W. Richardson. 2,397,505; Apr. 2.
- Catalytic cracking of hydrocarbon oils. J. A. Pierce and C. T. Steele. 2,400,020; May 7.
- Catalytic cracking process. B. S. Greensfelder and S. Z. Pinner. 2,398,739; Apr. 16.
- Catalytic cracking process. C. H. Kollenberg. 2,407,374; Sept. 10.
- Catalytic cracking process. P. E. Kuhl and A. B. Welty, Jr. 2,406,547; Aug. 27.
- Catalytic cracking, Selective. R. F. Ruthuff. 2,397,329; Mar. 26.
- Catalytic cracking system. R. C. Gunness and J. W. Jewell. 2,410,284; Oct. 29.
- Catalytic dehydrogenation. H. C. Huffman. 2,393,537; Jan. 22.
- Catalytic dehydrogenation. K. C. Laughlin. 2,405,436; Aug. 6.
- Catalytic dehydrogenation processes, Effecting. R. M. Cole and I. I. Shultz. 2,403,052; July 2.
- Catalytic desulphurization. A. C. Byrns. 2,398,919; Apr. 23.
- Catalytic hydrocarbon conversion process. W. E. Ross and G. J. Carlson. 2,393,569; Jan. 22.
- Catalytic hydrocarbon reactions. W. P. Hawthorne. 2,403,922; July 16.
- Catalytic hydrocarbon reforming process. C. L. and E. A. Ocon. 2,408,948; Oct. 8.
- Catalytic hydrogenation of aliphatic nitrohydroxy compounds. W. K. O'Loughlin. 2,413,153; Dec. 24.
- Catalytic isomerization of olefinic hydrocarbons. L. Berg, G. L. Sumner, Jr., and C. W. Montgomery. 2,397,639; Apr. 2.
- Catalytic oxidation of ketones. G. W. Hearne, M. L. Adams, and V. W. Buis. 2,393,532; Jan. 22.
- Catalytic polymerization of monoolefinic organic compounds. D. L. Dorrough. 2,398,926; Apr. 23.
- Catalytic preparation of cymenes. E. R. Littmann. 2,400,012; May 7.
- Catalytic process. T. F. Doumani and J. G. Cuneo. 2,411,823; Nov. 26.
- Catalytic process. M. W. Farlow and F. K. Signaigo. 2,402,614; June 25.
- Catalytic process. M. P. Matuszak and G. H. Morey. 2,408,987; Oct. 8.
- Catalytic process and products thereof. M. W. Farlow and F. K. Signaigo. 2,402,615; June 25.
- Catalytic process for converting terpenes to p-cymene. W. Hull. 2,399,739; May 7.
- Catalytic processes. S. H. McAllister, J. Anderson, and W. E. Ross. 2,403,107; July 2.
- Catalytic reactions. L. Schermerling and V. N. Ipatieff. 2,406,639; Aug. 27.
- Catalytic reactions. Conducting. C. L. Thomas. 2,392,957; May 15.
- Catalytic reforming process. C. S. Kuhn, Jr. 2,403,929; July 16.

- Catalytic system, Continuous. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,410,309; Oct. 29.
- Catalytic treatment of carbonaceous materials. B. S. Greensfelder and W. A. Bailey, Jr. 2,392,588; Jan. 8.
- Catalytic treatment of hydrocarbon oils. P. L. Veltman. 2,400,448; May 14.
- Catalytic treatment of hydrocarbons. R. R. Hibbard. 2,395,048; Feb. 19.
- Catalyzed abnormal addition reactions. T. W. Evans, W. E. Vaughan, and F. F. Rust. 2,411,961; Dec. 3.
- Catalyzed abnormal addition reactions. W. E. Vaughan and F. F. Rust. 2,411,983; Dec. 3.
- Catalyzed reaction, Effecting. L. S. Kassel. 2,403,375; July 2.
- Catamenial device. G. W. and D. L. H. Beadle. 2,412,861; Dec. 17.
- Catapult for aircraft, Electric towing-car. F. B. Powers. 2,404,984; July 30.
- Catapult, Screw type. L. J. Maxson and F. B. Gross. 2,402,654; June 25.
- Catch Cupboard. H. Quigley and H. Ter Meer. 2,409,794; Oct. 22.
- Catch, Door. E. W. Allen. 2,409,822; Oct. 22.
- Catch, Ring. H. M. Stieglitz. 2,407,459; Sept. 10.
- Catch, Window screen. J. Freeland. 2,413,444; Dec. 31.
- Catcher, Brush holder and drip. I. M. Oiler. 2,399,056; Apr. 23.
- Catenary rooftop construction and forming it. W. D. Darby. 2,411,651; Nov. 26.
- Catheter. N. C. Jeckel. 2,407,929; Sept. 17.
- Catheter, Kidney. M. L. Smith. 2,393,002-3; Jan. 15.
- Cathode assembly. R. O'Leary and K. Speck. 2,393,057; Jan. 15.
- Cathode beam tube and velocity controlled electrode. J. R. Pierce. 2,408,509; Oct. 8.
- Cathode, Electronic discharge. P. L. Spencer. 2,412,842; Dec. 17.
- Cathode, Filamentary. J. Hirmann. 2,404,070; July 16.
- Cathode for magnetron devices. I. E. Mouroumself and J. H. Findlay. 2,400,770; May 21.
- Cathode metal and producing the same. H. T. Prescott. 2,392,614; Jan. 8.
- Cathode ray apparatus. M. R. Miller. 2,399,754; May 7.
- Cathode ray apparatus. D. E. Norgaard. 2,407,898; Sept. 17.
- Cathode ray apparatus. I. Wolf. 2,413,276; Dec. 24.
- Cathode ray deflection circuit. A. V. Bedford. 2,403,487; July 9.
- Cathode-ray device. R. P. Johnson and W. R. Grams. 2,407,082; Sept. 3.
- Cathode ray indicating device. W. P. Mason. 2,413,026; Dec. 24.
- Cathode-ray receiver. W. G. H. Finch. 2,394,435; Feb. 5.
- Cathode ray sweep circuit. J. O. and W. A. Edson and J. B. Maggio. 2,412,210; Dec. 10.
- Cathode ray sweep circuit. G. M. Charrier. 2,407,475; Sept. 10.
- Cathode ray sweep circuit. W. D. Hershberger. 2,403,278; July 2.
- Cathode ray tube. J. M. Dodds and C. W. Miller. 2,400,814; May 21.
- Cathode ray tube. G. W. Pratt. 2,409,514; Oct. 15.
- Cathode-ray tube. C. S. Szegho. 2,401,278; May 28.
- Cathode-ray tube system. H. De Ryder. 2,411,030; Nov. 12.
- Cathode ray tube system and operation. H. W. Leverenz. 2,402,761; June 25.
- Cathode structure. P. G. Chevigny. 2,411,506; Nov. 26.
- Cathode suspension, Filamentary. R. Wood. 2,402,797; June 25.
- Cathodes, Coating. G. S. Evans. 2,411,250; Nov. 19.
- Cathodes, Making. P. G. Chevigny. 2,397,533; Apr. 2.
- Cathodic protection system. K. E. Hantach and O. C. Mudd. 2,402,494; June 18.
- Cautic products. C. B. Gardener. 2,403,071; July 2.
- Cautery instrument for use in nasal surgery. P. W. Lew. 2,235,631; Feb. 26.
- Cavitation in operation of pumps, Arresting. R. H. Beach. 2,392,720; Jan. 8.
- Celery cutter. T. J. Bell. 2,410,860; Nov. 12.
- Cell, Bubble. E. F. Flint. 2,406,211; Aug. 20.
- Cell, Dry. V. Lipinski. 2,399,127; Apr. 23.
- Cell, Electrolytic. W. C. Gardiner. 2,401,821; June 11.
- Cell for the production of metals by electrolysis of fused electrolytes. R. Suchy and G. Messner. 2,407,691; Sept. 17.
- Cell, Leakproof dry. H. R. C. Anthony. 2,399,089; Apr. 23.
- Cellular materials, Vitreous. J. A. Heany. 2,399,225; Apr. 30.
- Cellular rubber articles, Making. P. F. Niessen and A. R. Cox. 2,394,327; Feb. 5.
- Cellular systems, Making. B. J. Craig. 2,403,265; July 2.
- Celulated bodies, Manufacturing of. W. Owen. 2,401,582; June 4.
- Cellulose acetate composition, Plasticized. J. L. Quinn. 2,401,272; May 28.
- Cellulose acetate dyed with monazo dyes. C. S. Argyle. 2,412,312; Dec. 10.
- Cellulose derivative composition. F. J. Soday. 2,412,920; Dec. 17.
- Cellulose derivative compositions. J. E. Blutworth. 2,402,942; July 2.
- Cellulose derivative textile material, Shrinking. F. B. Hill. 2,394,772; Feb. 12.
- Cellulose derivatives, Production of. J. E. Jones. 2,401,304; June 4.
- Cellulose ester composition. R. M. Goeppe, Jr. 2,394,439; Feb. 5.
- Cellulose ester composition containing a rosin ester, and preparing said rosin ester. H. Burrell. 2,404,033; July 16.
- Cellulose ester compositions, Molding. H. K. Nason. 2,407,992; Sept. 17.
- Cellulose ester in fiber form, Preparing. M. L. Ernsberger and A. S. Gregory. 2,396,165; Mar. 5.
- Cellulose ester molding batch having a metallic appearance and the batch produced thereby, Manufacturing a. T. J. Thomas. 2,405,953; Aug. 20.
- Cellulose, Manufacture of. H. Dreyfus. 2,394,989; Feb. 19.
- Cellulose matter with terebene, Treating. C. Luckhaupt. 2,407,989; Sept. 24.
- Cellulose matter with terpene dihydrochloride, Treating. C. Luckhaupt. 2,407,988; Sept. 24.
- Cellulose purification. C. I. Haney, M. E. Martin, and T. M. Andrews. 2,408,649; Oct. 8.
- Cellulose to facilitate its acylation, Pretreating. C. J. Malm and L. W. Blanchard, Jr. 2,400,361; May 14.
- Cellulose, Treatment of. R. B. Darling. 2,394,370; Feb. 5.
- Cellulosic material, Purification of crude. G. P. Vincent and L. Duhamel. 2,407,992; Sept. 17.
- Cellulosic materials, Treatment of. H. Dreyfus. 2,394,537; Feb. 12.
- Cellulosic materials, Treatment of. J. D. Pollard. 2,394,009; Feb. 5.
- Cellulosic pads, Packaging. C. A. Fourness and K. J. Harwood. 2,413,556; Dec. 31.
- Cellulosic products, Production of. P. H. Schlosser and K. R. Gray. 2,393,817; Jan. 29.
- Cellulosic sheets, Apparatus for making curved. O. W. Frost and S. S. Wilsey. 2,396,993; Mar. 19.
- Cellulosic structures, Producing. H. S. Rothrock. 2,406,905; Sept. 3.
- Cellulosic textile materials, Treating. W. J. Burke. 2,391,942; Jan. 1.
- Cellulosic textile materials, Treatment of. H. J. Hegan and E. H. Sharples. 2,411,429; Nov. 19.
- Cement. J. L. Perkins. 2,401,015; May 28.
- Cement, Acidproof. E. A. Hertzell and R. H. Anderson. 2,396,509; Mar. 12.
- Cement applying process. M. Radonich. 2,392,408; Jan. 8.
- Cement composition and making same. E. W. Scripture, Jr. 2,397,886; Apr. 2.
- Cement conveyance, Bulk. J. R. Bradshaw. 2,412,121; Dec. 3.
- Cement, Dental. W. S. Crowell. 2,406,063; Aug. 20.
- Cement for cold application, Bituminous flashing. W. F. Fair, Jr. 2,396,690; Mar. 19.
- Cement, Making gypsum. J. P. C. Peter. 2,412,170; Dec. 3.
- Cement manufacture. B. E. Roethel. 2,409,707; Oct. 22.
- Cement, Plastic. A. J. Holberg, W. C. Ware, and C. C. Welch. 2,393,774; Jan. 29.
- Cement plugs in well bores, Placing. K. A. Wright. 2,392,352; Jan. 8.
- Cement, Sole channel and rib. H. C. Paulsen. 2,400,163; May 14.
- Cementing compound. N. L. Rude. 2,410,612; Nov. 5.
- Cementitious composition and article, Nonslip. D. B. Johannes, Jr. 2,411,213; Nov. 19.
- Cementitious material. E. C. Scaffaro. 2,397,567; Apr. 2.
- Cementitious material, Making heat resistant. A. Tropiano. 2,410,761; Nov. 5.
- Cementitious material, Plastic. G. Ferrante. 2,407,739; Sept. 17.
- Cementitious preparations. D. Curtis. 2,413,294; Dec. 31.
- Center drill. A. W. Beaton. 2,392,519; Jan. 8.
- Center drill. W. F. Klemm. 2,403,861; July 9.
- Centering and shifting device for typesetting machines, Automatic line. F. C. Souche. 2,392,558; Jan. 8.
- Centering device. G. F. Hodson and L. L. Campbell. 2,403,980; July 16.
- Centerless grinding machine. W. Melin. 2,411,972; Dec. 3.
- Centrifugal apparatus. E. Roberts. Re. 22,772; July 16.
- Centrifugal cast article and manufacture. H. Ford, C. E. Sorensen, and R. H. McCarrroll. 2,400,495; May 21.
- Centrifugal casting machine. F. C. Vogel. 2,392,299; Jan. 1.
- Centrifugal clutch. C. O. Brustle. 2,396,637; Mar. 19.
- Centrifugal clutch. H. V. Reed. 2,392,947; Jan. 15.
- Centrifugal clutch. E. E. Wemp. 2,395,308; Feb. 19.
- Centrifugal compressor. W. T. Nickerson. 2,405,048; July 30.
- Centrifugal compressor. W. Van Rijswijk. 2,401,206; May 28.
- Centrifugal blower. W. D. Teague, Jr. 2,411,816; Nov. 26.
- Centrifugal deaerator. L. D. Jones and J. J. Serrell. 2,401,079; May 28.
- Centrifugal extractor. E. M. Borg. 2,409,341; Oct. 15.
- Centrifugal machine, Turbine driven. J. Hertrich. 2,402,496; June 18.
- Centrifugal pendulum. L. Birkigt. 2,393,395; Jan. 22.

- Centrifugal pump. G. H. Garraway. 2,402,995; July 2.
- Centrifugal pump. A. J. Harlanoff. 2,406,947; Sept. 3.
- Centrifugal pump. H. H. Ingersoll. 2,399,548; Apr. 30.
- Centrifugal pump. A. V. Mueller. 2,394,931; Feb. 12.
- Centrifugal pump. P. A. Ruth. 2,403,556; July 9.
- Centrifugal pump. C. W. Stratford and C. Bartolero. 2,395,793; Feb. 26.
- Centrifugal pump. J. W. Summers. 2,393,127; Jan. 15.
- Centrifugal pump mechanism. V. N. Albertson. 2,397,718; Apr. 2.
- Centrifugal pump primer. J. L. Smith. 2,412,839; Dec. 17.
- Centrifugal separating apparatus. L. Sender. 2,412,099; Dec. 3.
- Centrifugal separating apparatus, Multistage. P. C. Rich. 2,399,509; Apr. 30.
- Centrifugal separation. L. D. Jones. 2,407,834; Sept. 17.
- Centrifugal separation. A. H. Schutte and A. W. Mack. 2,394,015; Feb. 5.
- Centrifugal separation. A. H. Schutte and A. W. Mack. 2,394,016; Feb. 5.
- Centrifugal separator. E. Lars. 2,403,089; July 2.
- Centrifugal separator. A. H. Schutte. 2,398,967; Apr. 23.
- Centrifugal separator. J. F. Tholl. 2,396,622; Mar. 12.
- Centrifugal switch. J. W. Busacker and J. A. Teresi. 2,395,248; Feb. 19.
- Centrifugal type fluid clutch. F. H. McElroy. 2,408,988; Oct. 8.
- Centrifugally controlled variable resistance. R. J. Bright. 2,393,456; Jan. 22.
- Ceramic article and material and coloring or shading same. R. W. Erdle. 2,406,208; Aug. 20.
- Ceramic article. Cored. E. H. Fischer. 2,412,878; Dec. 17.
- Ceramic body. W. A. Weyl. 2,413,159; Dec. 24.
- Ceramic mass, Light-weight. P. E. Harth. 2,400,087; May 14.
- Ceramic material, Molding. L. D. Grupelli. 2,400,001; May 7.
- Ceramics and making same, Fluorine-containing. W. A. Fraser. 2,407,874; Sept. 17.
- Cereal cutter. F. C. Ielfield. 2,406,773; Sept. 3.
- Cereal grain germ, Treating. Ezra Levin. Re. 22,748; Apr. 30.
- Cereal grains, Treating. A. C. Daman. 2,393,975; Feb. 5.
- Cereal grains with natural vitamins, Enriching. E. G. Huzenlaub. 2,412,153; Dec. 3.
- Certifying machine, Hardness. A. Vlcek, Jr. 2,398,605; Apr. 16.
- Chain: See—
- Antiskid chain. Nonskid chain.
- Conveyor chain. Tire chain.
- Cutter chain. Train track chain.
- Mining machine chain.
- Chain. B. S. Carr and A. L. Blakemore. 2,403,635; July 9.
- Chain link construction. B. E. Siver. 2,412,364; Dec. 10.
- Chain link tool. W. H. Smith. 2,397,513; Apr. 2.
- Chain lug, Mining machine. H. M. Morrow. 2,398,107; Apr. 9.
- Chain mechanism. J. M. Hait. 2,397,105; Mar. 26.
- Chain-saw machine. A. W. Mall and W. L. Gorden. 2,409,775; Oct. 22.
- Chair: See—
- Baby chair. Folding chair.
- Bed-type chair. Folding wheel chair.
- Child's convertible chair. High chair.
- Combination stretcher and invalids chair. Invalid chair.
- Convertible rocking chair. Tiltable chair.
- Chair. S. S. Bernstein. 2,409,826; Oct. 22.
- Chair. A. R. Boerner. 2,398,072; Apr. 9.
- Chair. J. A. Campbell. 2,405,013; July 30.
- Chair. R. A. R. A., Jr., and H. W. Cramer. 2,400,630; May 21.
- Chair. J. J. Croft and B. E. Fox. 2,402,023; June 11.
- Chair. G. D. Wood. 2,402,934; June 25.
- Chair and cot, Combination. F. Keest. 2,407,786; Sept. 17.
- Chair, bedstead, stretcher, or the like, Adjustable. C. E. E. Lundquist. 2,410,088; Oct. 29.
- Chair construction. T. W. Foote. 2,412,451; Dec. 10.
- Chair, head rest, and hair drier, Combination. A. M. Langseth and E. R. Schilb. 2,392,485; Jan. 8.
- Chair iron. H. W. Sheldrick and W. P. Hoglund. 2,403,193; July 2.
- Chair seat. G. D. Wood and F. L. Turner. 2,412,112; Dec. 3.
- Chair seat support. A. J. Raifech. 2,412,750; Dec. 17.
- Chairs, Head rest for. C. G. Maxson. 2,403,537; July 9.
- Charging device. F. E. Harding. 2,400,926; May 28.
- Chamber for circuit breakers, Arc extinguishing. G. W. Peters. 2,411,894; Dec. 3.
- Chamber for internal-combustion engines, Combustion. H. Lieberherr. 2,413,359; Dec. 31.
- Chamber for rocket apparatus, Rotating combustion. R. H. Goddard. 2,395,114; Feb. 19.
- Chamber, Mixing. J. C. Thomas, III. 2,404,548; July 23.
- Chamfering machine. L. Albani. 2,405,004; July 30.
- Change mechanism, Intermittent feed. S. L. Casella. 2,406,664; Aug. 27.
- Change-over relay, Automatic. M. K. Parkhurst. 2,410,677; Nov. 5.
- Change-speed device. J. W. Hale. 2,402,248; June 18.
- Change-speed mechanism. H. J. Luehrs and P. W. Cottrell. 2,399,493; Apr. 30.
- Changeable letter sign. B. Schlanger. 2,395,197; Feb. 19.
- Change. Induction frequency. F. W. Baumann. 2,399,905; May 7.
- Changer, Phase. L. Himmel. 2,402,624; June 25.
- Character selecting system for phonographic composing apparatus, Relay. W. C. Huebner. 2,402,750; June 25.
- Charcoal burner. W. B. Stephenson. 2,403,134; July 2.
- Charge forming apparatus. D. S. Hersey. 2,400,416; May 14.
- Charge forming device. D. E. Lipfert. 2,403,866; July 9.
- Charge forming device. F. C. Mock. 2,411,287; Nov. 19.
- Charge forming device. F. C. Mock and E. J. Partington. 2,404,081; July 16.
- Charge forming device. J. T. W. Moseley, H. A. Carlson, and A. N. Szwargulski. 2,403,390; July 2.
- Charge forming device, Engine. C. E. Markham and L. Martin. 2,400,156; May 14.
- Charge forming system. E. Stephan. 2,406,115; Aug. 20.
- Charge preparation. R. K. Waring. 2,393,080; Jan. 15.
- Charger and recoil mechanism, Gun. A. Corte. 2,401,860; June 11.
- Charger for explosives. E. K. Leفرن. 2,405,507; Oct. 6.
- Charger valve. G. W. Pontius, III. 2,508,680; Oct. 1.
- Charging and discharging device, Retort. B. A. Smith. 2,402,457; June 18.
- Charging device. H. W. Kelly. 2,394,552; Feb. 12.
- Charging machine. E. E. Brosius. 2,405,342; Aug. 6.
- Charging mechanism. J. Stuart, II, and K. Wassen. 2,412,658; Dec. 17.
- Charging system, Blast furnace. A. Mohr, Jr., and J. P. Grilli. 2,408,945; Oct. 8.
- Chart for cryptography, Coding and decoding. C. B. Strother. 2,413,592; Dec. 31.
- Chart system, Color. E. Jacobson. 2,409,285; Oct. 15.
- Chassis for trailers, Knockdown. J. J. Black. 2,413,404; Dec. 31.
- Check and draft control for stoves, Automatic. H. H. Fleer. 2,409,480; Oct. 15.
- Check for floating binders, Shuttle. E. A. Santon. 2,399,762; May 7.
- Check-indorsing and sorting machine. M. L. Nelson and A. M. Roberts. 2,412,830; Dec. 17.
- Check retainer. J. D. Dilley. 2,404,043; July 16.
- Check, Shuttle. C. D. Brown. 2,399,851; May 7.
- Checker for open hearth regenerative furnaces. L. B. Lindemuth. 2,405,363; Aug. 6.
- Checkerboard. S. H. Fox. 2,398,348; Apr. 16.
- Checker, Thread. R. E. Bauer. 2,409,924; Oct. 22.
- Checking and comparing device, Surface. J. F. Gregg. 2,407,490; Sept. 10.
- Checking device, Railway wheel. M. W. and W. A. Gleisner. 2,408,553; Oct. 1.
- Checking device, Timing. F. D. Warburton. 2,413,126; Dec. 24.
- Checkstraps, Making. L. J. Carter. 2,406,194; Aug. 20.
- Cheese, Treating. G. P. Sandoz. 2,401,320; June 4.
- Chemical composition. W. E. Hanford. 2,398,426; Apr. 16.
- Chemical compound and method. O. Wintersteiner. 2,400,380; May 14.
- Chemical compound and preparation thereof. A. M. Clifford and J. G. Lichty. 2,407,138; Sept. 3.
- Chemical compounds. J. E. Bludworth and D. P. Easter. 2,410,008; Oct. 29.
- Chemical compounds. W. G. Christiansen and S. E. Harris. 2,404,691; July 23.
- Chemical compounds. W. G. Christiansen and S. E. Harris. 2,412,966; Dec. 24.
- Chemical compounds. O. Wintersteiner and W. L. Ruigh. 2,411,177; Nov. 19.
- Chemical compounds and processes. H. R. Arnold. 2,402,589-90; June 25.
- Chemical compounds and processes. W. A. Lazier and P. L. Salzberg. 2,402,591; June 25.
- Chemical compounds and processes. H. G. Smith and T. L. Cantrell. 2,408,232; Sept. 24.
- Chemical compounds and producing same. B. R. Harris. 2,409,275; Oct. 15.
- Chemical compounds, Manufacture of. A. O. Franz and L. H. Juel. 2,403,068; July 2.
- Chemical compounds, Preparation of. M. Katzman. 2,411,434; Nov. 19.
- Chemical manufacture. W. S. Hutchinson. 2,394,064; Feb. 5.
- Chemical manufacture. G. P. Vincent and A. L. Dubeau. 2,395,305; Feb. 19.
- Chemical method. E. Amott and W. E. Grebe. 2,395,774; Feb. 26.
- Chemical methods and products. C. F. Reed. 2,407,344; Sept. 10.
- Chemical process. G. W. Batchelder, W. M. Nagle, J. C. Vyverberg, and J. M. Willis. 2,400,904; May 28.
- Chemical process. E. W. Bousquet. 2,402,530; June 25.
- Chemical process. D. L. Campbell. 2,410,048; Oct. 29.
- Chemical process. M. W. Farlow and W. A. Lazier. 2,402,541; June 25.
- Chemical process. H. G. M. Fischer. 2,412,879; Dec. 17.
- Chemical process. R. A. Franz. 2,392,910; Jan. 15.
- Chemical process. A. D. Green. 2,403,276; July 2.

- Chemical process. J. L. Hart. 2,393,531; Jan. 22.
 Chemical process. C. E. Hemminger. 2,397,352; Mar. 26.
 Chemical process. C. E. Hemminger. 2,397,485; Apr. 2.
 Chemical process. R. M. Hill and C. H. Watkins. 2,409,681; Oct. 22.
 Chemical process. K. K. Kearby. 2,395,876; Mar. 5.
 Chemical process. P. E. Kuhl. 2,394,617; Feb. 12.
 Chemical process. C. S. Lynch and H. G. Codet. 2,407,311; Sept. 10.
 Chemical process. C. G. Milbourne. 2,393,333; Jan. 22.
 Chemical process. W. J. Peppel and F. K. Signaigo. 2,402,665; June 25.
 Chemical process. P. L. Richards. 2,402,448; June 18.
 Chemical process. C. L. Rollinson. 2,403,459; July 9.
 Chemical process. H. G. Schneider and J. E. J. Kane. 2,406,041; Aug. 20.
 Chemical process. N. E. Searle. 2,402,584; June 25.
 Chemical process. F. K. Signaigo. 2,402,456; June 18.
 Chemical process. F. J. Soday. 2,398,810; Apr. 23.
 Chemical process. H. G. Vesterdal. 2,397,301; Mar. 26.
 Chemical process. C. W. Watkins. 2,407,590; Sept. 10.
 Chemical process and product. F. J. Soday. 2,407,689; Sept. 17.
 Chemical process and product. F. J. Soday. 2,413,256; Dec. 24.
 Chemical process and products. P. L. Barrick. 2,403,207; July 2.
 Chemical process and products. C. E. Schweitzer. 2,409,712; Oct. 22.
 Chemical process, etc. J. G. McNab and D. T. Rogers. 2,399,877; May 7.
 Chemical processes. A. M. Alvarado. 2,402,586; June 25.
 Chemical processes. A. M. Alvarado, W. A. Lazier, and J. H. Wernitz. 2,402,587; June 25.
 Chemical processes. W. A. Lazier and F. K. Signaigo. 2,402,642; June 25.
 Chemical processes. W. A. Lazier, F. K. Signaigo, and J. H. Wernitz. 2,402,643-4; June 25.
 Chemical processes. F. K. Signaigo. 2,402,685; June 25.
 Chemical processes. L. I. Smith and H. E. Ungnade. 2,411,942; Dec. 3.
 Chemical processes. H. C. Tanner. 2,402,694; June 25.
 Chemical processes and products. R. K. Iler. 2,401,845; June 4.
 Chemical processes and products. J. S. Kirk. 2,395,880; Mar. 5.
 Chemical processes and products. W. A. Lazier and F. K. Signaigo. 2,402,640; June 25.
 Chemical processes and products. J. H. Wernitz. 2,402,698; June 25.
 Chemical product and making the same. T. A. Ford. 2,394,761; Feb. 12.
 Chemical product and making the same. W. E. Hanford. 2,396,786; Mar. 19.
 Chemical products and preparing same. J. C. Zimmer and A. J. Morway. 2,405,482; Aug. 6.
 Chemical products, preparing. L. I. Smith and W. B. Renfrow, Jr. 2,407,726; Sept. 17.
 Chemical reaction with fluidized solids. E. A. Johnson. 2,393,909; Jan. 29.
 Chemical treatment. J. W. Latchum, Jr. 2,396,859; Mar. 19.
 Chemicals. P. T. Paul. 2,401,658; June 4.
 Chemicals for treating plant life. W. L. Benson. 2,395,446; Feb. 26.
 Chemotherapeutic agents of the sulphonamide type. A. Lott, F. H. Bergheim, and K. A. Losee. 2,407,809; Sept. 10.
 Chemotherapeutic sulphanilamide derivatives. W. A. Lott and R. Van Winkle. 2,409,291; Oct. 15.
 Chenille making machine. J. Wilmsen. 2,408,898; Oct. 8.
 Cherries, soft sheets, and the like, Manufacture of artificial edible. W. J. S. Peschardt. 2,403,547; July 9.
 Chest, Display. R. A. Bloom. 2,409,926; Oct. 22.
 Chest lock. C. Ledin. 2,399,812; May 7.
 Chick box. G. Loth. 2,409,701; Oct. 22.
 Child's convertible chair. G. W. Copp. 2,399,792; May 7.
 Child's toilet seat. L. C. Neufeld. 2,411,137; Nov. 12.
 Child's vehicle. A. L. McGregor. 2,392,938; Jan. 15.
 Chinese. J. M. Talbot. 2,401,199; May 28.
 Chimney structure. A. J. Paulette. 2,398,393; Apr. 16.
 Chimney top. E. R. Lovely. 2,408,665; Oct. 1.
 Chinaware sand blasting machine. W. H. Emerson. 2,393,762; Jan. 29.
 Chisel. A. Ruel. 2,412,783; Dec. 17.
 Chisel, Shearing. L. S. Nameth. 2,392,495; Jan. 8.
 Chlorate from caustic soda, Removal of. S. G. Osborne and A. Mitchell. 2,404,453; July 23.
 Chloride liquors, Utilizing iron. W. Y. Agnew. 2,393,582; Jan. 29.
 Chloride, Preparation of acetylpropyl. S. E. Forman. 2,397,134; Mar. 26.
 Chloride, Purification of crude trichloroacetyl. F. W. Kirkbride. 2,396,241; May 7.
 Chlorides of methane, Manufacture of the higher. O. W. Cass. 2,406,195; Aug. 20.
 Chlorides of polyvinyl, Producing solutions of. M. L. A. Fluchaire. 2,408,769; Oct. 8.
 Chlorinated maleic anhydride adducts. H. N. Stephens, G. B. Gehrenbeck, and D. R. Guthrie. 2,404,411; July 23.
 Chlorinated methylene-bis-dimethyl hydantoin. A. O. Rogers. 2,404,096; July 16.
 Chlorine, Absorption of. F. J. Bouchard. 2,393,229; Jan. 22.
 Chlorine, Compositions containing active. E. W. Smith. 2,393,716; Jan. 29.
 Chlorine containing carbonic ester-synthetic rubber composition. D. V. Sarbach. 2,395,070; Feb. 19.
 Chlorine containing resins, Stabilized. R. W. Quarles. 2,394,010; Feb. 5.
 Chlorine dioxide, Production of. W. S. Hutchinson. 2,409,862; Oct. 22.
 Chlorine from magnesium chloride electrolysis, Recovery of. A. P. Julien and J. K. Farrell. 2,393,891; Apr. 23.
 Chlorine, Producing. R. K. Iler. 2,401,644; June 4.
 Chlorine, Production of. D. R. Blumer. 2,395,314; Feb. 19.
 Chlorodioxolanes, Preparation of. J. W. Hill, R. V. Lindsey, Jr., and R. H. Wiley. 2,395,826; Mar. 5.
 Chloroindanones, Preparing. C. F. Belcher. 2,413,483; Dec. 31.
 Chlorophyll from vitamins and other fat materials, Separating. W. R. Graham, Jr., G. O. Kohler, and R. D. Hoover. 2,394,625; Oct. 1.
 Chloroprene-acrylic nitrile polymers, Preparing. F. C. Wagner. 2,395,649; Feb. 26.
 Chloroprene, Polymerization of. F. N. Wilder. 2,393,347; Feb. 5.
 Chloroprene polymers. F. C. Wagner. 2,399,407; Apr. 30.
 Chloroprene polymers, Plasticizing. A. R. Davis. 2,409,344; Oct. 15.
 Chloroprene polymers, Vulcanization of. H. P. Miller. 2,395,493; Feb. 26.
 Chocolate dipped peanut attachment. F. Petrovic. 2,406,437; Aug. 27.
 Choke, Variable independence. J. W. Bayles and A. T. Robinson. 2,402,721; June 25.
 Choline-like compounds. K. C. Swan and N. G. White. 2,408,893; Oct. 8.
 Chopper, Cotton. C. F. Callahan. 2,412,715; Dec. 17.
 Chopper, Cotton. W. H. Clark. 2,399,854; May 7.
 Chopstick, Vertical food. H. Wornack, F. P. Hess, and S. Braun. 2,399,153; Apr. 23.
 Choppers, Food. H. W. Brooks. 2,410,709; Nov. 5.
 Christmas tree holder. C. T. Matthews. 2,410,227; Oct. 29.
 Chromate production. M. J. Udy. 2,402,102; June 11.
 Chromium alloy steel and articles of manufacture produced therefrom. E. G. Touceda and R. P. De Vries. 2,403,141; July 2.
 Chromite with fluoride, Froth flotation of. R. Havens. 2,412,217; Dec. 10.
 Chromium and its alloys, Making. T. A. Mitchell. 2,398,591; Apr. 16.
 Chromium compounds, Production of. M. J. Udy. 2,402,103; June 11.
 Chromium for wear resistance. H. Van der Horst. 2,412,698; Dec. 17.
 Chromium into steel articles, Introduction of. G. Becker, K. Daevies, and F. Steinberg. 2,399,848; May 7.
 Chronographs, Operating the electronic. I. E. Grosdoff. 2,403,918; July 16.
 Chuck. G. W. Cook. 2,395,534; Feb. 26.
 Chuck. P. Geren. 2,403,100; July 2.
 Chuck. E. R. Koppel. 2,407,083; Sept. 3.
 Chuck. E. R. Lowe. 2,400,762; May 21.
 Chuck. T. Nelson. 2,402,256; June 18.
 Chuck. J. J. Teige and W. R. Thomas. 2,413,422; Dec. 31.
 Chuck. G. Thornhill. 2,394,118; Feb. 5.
 Chuck, Adjustable. V. W. Gideon. 2,392,039; Jan. 1.
 Chuck and cutter operating device, Hydraulic. C. R. Buchet. 2,395,720; Feb. 26.
 Chuck assembly. C. R. Adams and C. B. Clark. 2,405,772; Aug. 13.
 Chuck, Attachment. F. R. Maxwell. 2,407,932; Sept. 17.
 Chuck, Automatic. R. G. LeTourneau. 2,394,861; Feb. 12.
 Chuck, Automatic. J. MacBlane. 2,397,025; Mar. 19.
 Chuck, Boring. H. F. Brown. 2,403,336; July 2.
 Chuck, Cap. M. S. Resina. 2,409,899; Oct. 22.
 Chuck, Center drill. E. F. King. 2,408,652; Oct. 1.
 Chuck, Collet. T. B. Hall. 2,395,006; Mar. 5.
 Chuck, Collet. A. T. Hillberg. 2,401,071; May 28.
 Chuck, Collet. J. G. Schmidt. 2,399,831; May 7.
 Chuck, Collet type. R. E. Wilson. 2,400,183; May 14.
 Chuck, Compensating. A. F. Hedberg and E. Colbert. 2,400,755; May 21.
 Chuck, Dental hand-piece. C. E. Garnier. 2,410,439; Nov. 5.
 Chuck, Diaphragm. G. and E. F. Hohwart, and J. B. Buckley. 2,403,599; July 9.
 Chuck, Diaphragm. R. S. Pyne. 2,413,068; Dec. 24.
 Chuck, Double-acting. A. M. Stoner. 2,413,421; Dec. 31.
 Chuck, Double acting collet. A. M. Stoner. 2,403,768; Dec. 31.
 Chuck, Drill. J. H. Phillips. 2,399,939; May 7.
 Chuck, Drill. O. E. Seiffert. 2,400,169; May 14.
 Chuck, Lathe. C. C. Heeter. 2,409,680; Oct. 22.
 Chuck, Precision. H. I. Schuster. 2,401,971; June 11.
 Chuck, Quick change drill. A. L. Marker and E. W. Bergere. 2,397,025; Mar. 19.
 Chuck, Self-centering. G. F. Wald. 2,402,714; June 25.
 Chuck, Tensile test specimen. H. C. Mann. 2,394,555; Feb. 12.

- Chucking and driving device. W. J. Nightingale. 2,399,290; Apr. 30.
- Chucking device. C. C. Veale. 2,396,399; Mar. 12.
- Chucking machine, Alternating cutoff. A. E. Drissner. 2,402,990; July 2.
- Churns, Making. A. M. Stoner. 2,398,564; Apr. 16.
- Churn, A. C. and G. S. Houghland. 2,397,488; Apr. 2.
- Chute, Branding and dehorning. I. Parsons. 2,396,928; Mar. 19.
- Chute, Coin. W. A. Tratsch. 2,392,344; Jan. 8.
- Chute for picking hay balers, Loading. T. E. Brewer. 2,412,711; Dec. 17.
- Chute installation, Spin. T. C. Andreopoulos and P. J. Papadakis. 2,411,077; Nov. 12.
- Chute, Package delivery. E. S. Tascher. 2,412,368; Dec. 10.
- Chute, Sorting. S. C. Burley, Jr. 2,405,829; Aug. 13.
- Cigar machines, Bunch locating mechanism for. H. H. Wheeler. 2,400,449; May 14.
- Cigarette and cigar holder. R. J. Cloutier. 2,398,695; Apr. 16.
- Cigarette and safety match holder. M. Mayer. 2,412,464; Dec. 10.
- Cigarette case. J. M. Beveridge and C. J. Cowan. 2,405,009; July 30.
- Cigarette case. W. B. Crane. 2,399,470; Apr. 30.
- Cigarette container. W. B. Celestin. 2,410,200; Oct. 29.
- Cigarette holder and ash tray, Combination. I. V. Da Silva. 2,392,650; Jan. 8.
- Cigarette maker. A. J. Hongo. 2,409,935; Oct. 22.
- Cigarette rolling machine. G. Zint. 2,405,388; Aug. 6.
- Cinder cutting, Retarding. W. B. Leaf. 2,408,428; Oct. 1.
- Cinder notch cooler claim. J. Yuhas. 2,409,337; Oct. 15.
- Cinematic set. G. A. Kraft. 2,402,822; June 25.
- Cipher device, Strip. J. W. McClaran. 2,403,736; July 9.
- Cipher system, Secrecy. R. E. Pierce and D. B. Perry. 2,401,507; June 4.
- Ciphering and deciphering mechanism. B. C. W. Hagelin. 2,384,765; Feb. 12.
- Ciphering system. L. M. Potts. 2,403,680-1; July 9.
- Ciphering system, Mechanical. L. M. Potts. 2,403,679; July 9.
- Ciphering system, Mechanical. L. M. Potts. 2,403,682; July 9.
- Ciphering system, Mechanical. A. H. Reiber. 2,402,082; June 11.
- Circle indicator. M. H. Thompson. 2,401,029; May 28.
- Circle routes, Determining great. J. P. Van Zandt. 2,397,063; Mar. 19.
- Circuit: See Amplifier circuit.
- Automatic frequency control circuit.
- Automatic gain control circuit.
- Automatic volume control circuit.
- Carrier telegraph terminal circuit.
- Cathode ray deflection circuit.
- Cathode ray sweep circuit.
- Combined amplifier and power supply circuit.
- Combined limiter and squelch circuit.
- Compensating circuit.
- Control circuit.
- Coupling circuit.
- Crystal filter circuit.
- Deflecting circuit.
- Discriminator-rectifier circuit.
- Duplex control circuit.
- Electric circuit.
- Electric control circuit.
- Electric discharge device circuit.
- Electric translating circuit.
- Electric wave multiplier circuit.
- Electrical circuit.
- Electrical multiplying circuit.
- Electron discharge circuit.
- Electron tube circuit.
- Electronic control circuit.
- Frequency counter circuit.
- Frequency responsive circuit.
- Frequency-variable oscillator circuit.
- Frequency variation response circuit.
- Gas tube circuit.
- High-frequency vacuum tube circuit.
- High voltage regulator circuit.
- Keying circuit.
- Limiter circuit.
- Locked-in oscillator circuit.
- Long-ratio-control circuit.
- Low frequency deflecting circuit.
- Modulator circuit.
- Motor-control circuit.
- Multiplier circuit.
- Negative impedance circuit.
- Noise limiting circuit.
- Oscillator circuit.
- Permeability tuned band-spread circuit.
- Phase indicating circuit.
- Phase inverter circuit.
- Phase shifting circuit.
- Photoelectrically controlled amplifying circuit.
- Pulse generating circuit.
- Ratio circuit.
- Receiver protection circuit.
- Reciprocal circuit.
- Record reproduction circuit.
- Regulator circuit.
- Relay control circuit.
- Selective signal receiving circuit.
- Selector circuit.
- Signal correction circuit.
- Signal receiver circuit.
- Storage amplifier circuit.
- Superregenerative receiver circuit.
- Superregenerative receiver quenching circuit.
- Surge suppressor circuit.
- Sweep circuit.
- Telephone line circuit.
- Telephone repeater circuit.
- Test circuit.
- Thermostat circuit.
- Time delay circuit.
- Time delay relay circuit.
- Timing circuit.
- Timing control circuit.
- Transmission coupling circuit.
- Triode oscillator circuit.
- Voltage doubler and timer circuit.
- Wave shaping circuit.
- Vibrator circuit.
- Circuit and system therefor, Tuned. W. van B. Roberts. 2,403,151; July 2.
- Circuit apparatus, Hydraulic. L. C. Rotter and G. Klein. 2,399,573; Apr. 30.
- Circuit arrangement, Electrical. H. D. Garretson. 2,404,065; July 30.
- Circuit arrangement, Electrical. H. D. Garretson. 2,408,017; Sept. 24.
- Circuit breaker. S. H. Boden and J. M. Cumming. 2,394,036; Feb. 5.
- Circuit breaker. S. H. Boden and J. M. Cummins. 2,411,260; Nov. 19.
- Circuit breaker. J. M. Cumming and R. C. Cunningham. 2,408,199; Sept. 24.
- Circuit breaker. R. C. Dickinson, W. H. Stuellein, and F. E. Florscutz. 2,404,950; July 30.
- Circuit breaker. H. Milliken. 2,396,742; Mar. 19.
- Circuit breaker. F. G. Von Hoorn. 2,409,917; Oct. 22.
- Circuit breaker construction. P. M. Christensen. 2,403,051; July 2.
- Circuit breaker, Gas blast. H. Thommen and G. Brühlmann. 2,404,995; July 30.
- Circuit breaker locking device. W. M. Scott, Jr. 2,412,294; Dec. 10.
- Circuit breaker mounting and connecting stud. H. C. Graves, Jr. 2,412,259; Dec. 10.
- Circuit breaker, Oil. F. M. Terry. 2,409,723; Oct. 22.
- Circuit breaker with magnetic arc extinguishing means. G. W. Peters. 2,411,892; Dec. 3.
- Circuit controller. H. S. Childers. 2,391,866; Jan. 1.
- Circuit controller, Automatic. H. G. Leupold. 2,395,007; Feb. 19.
- Circuit controller, Electric. R. K. Akin. 2,397,907; Apr. 9.
- Circuit controller, Electric. J. K. Huber. 2,408,213; Sept. 24.
- Circuit controlling device. M. A. Leavitt. 2,393,784; Jan. 20.
- Circuit elements, Protection of communication. L. K. Smith. 2,401,463; July 9.
- Circuit for carrier transmission systems, Order wire. P. G. Edwards. 2,395,540; Feb. 26.
- Circuit for electrical devices, Starting. G. H. Ruehrmund. 2,393,192; Jan. 15.
- Circuit for electrical space discharge devices and operating same. J. W. Dawson. 2,402,607; June 25.
- Circuit for electrical space discharge devices and operating same. H. Klemperer. 2,402,608; June 25.
- Circuit for removing noise. J. B. Atwood. 2,398,490; Apr. 16.
- Circuit for secret communication, Reciprocal. A. V. Bedford and F. P. Wipf. 2,401,406; June 4.
- Circuit for single-phase commutator machines. G. Lorsch. 2,399,875; May 7.
- Circuit for tracer controlled machines. J. J. Jaeger. 2,398,500; Apr. 16.
- Circuit interrupter. B. P. Baker. 2,412,857; Dec. 17.
- Circuit interrupter. B. P. Baker and W. M. Leeds. 2,412,858; Dec. 17.
- Circuit interrupter. L. B. Chubbuck. 2,411,366; Nov. 19.
- Circuit interrupter. H. D. Dorgman. 2,406,325; Aug. 27.
- Circuit interrupter. H. W. Graybill. 2,404,957; July 30.
- Circuit interrupter. W. M. Leeds. 2,403,103; July 2.
- Circuit interrupter. L. R. Ludwig, W. M. Leeds, and B. P. Baker. 2,406,469; Aug. 27.
- Circuit interrupter. J. B. MacNeill. 2,412,897; Dec. 17.
- Circuit interrupter. V. L. Mares. 2,399,495; Apr. 30.
- Circuit interrupter. H. L. Rawlins and J. J. Mikos. 2,403,121; July 2.
- Circuit interrupter. H. L. Rawlins and J. M. Wallace. 2,405,606; Aug. 13.
- Circuit interrupter. J. Slepian. 2,412,919; Dec. 17.
- Circuit interrupter. J. M. Wallace. 2,404,999; July 30.
- Circuit interrupter and control therefor. W. M. Scott, Jr. 2,405,454; Aug. 6.
- Circuit interrupter, Electrolytic type of periodic. G. E. Fredericks and J. Sivertsen. 2,411,089; Nov. 12.
- Circuit interrupter, Thermal. E. M. Thielers and W. O. W. Broberg. 2,410,370; Oct. 29.
- Circuit interrupting device. B. W. Jones and O. R. Schurig. 2,399,037; Apr. 23.
- Circuit interrupting device. E. F. Kohl. 2,410,663; Nov. 5.
- Circuit maker and breaker. O. Myers. 2,406,028; Aug. 20.
- Circuit system, Antifeedback. E. F. Lazar. 2,401,358; June 4.
- Circuit used in generating electric impulses. M. E. Haine. 2,400,113; May 14.
- Circuit with time-delay, Electronic trigger. A. J. Ruhlig. 2,405,237; Aug. 6.
- Circuits, Automatic line testing and switching. B. Dysart. 2,398,990; Mar. 19.
- Circuits, Cathode ray beam deflecting. O. H. Schade. 2,396,476; Mar. 12.
- Circuits, Closed hammer mill. G. D. Arnold. 2,400,382; May 14.
- Circuits, Control. M. G. Crosby. 2,396,688; Mar. 19.
- Circuits, Discriminator-rectifier. B. S. Vilkomerson. 2,412,482; Dec. 10.
- Circuits, Electrical. R. C. Webb. 2,411,605; Nov. 26.
- Circuits, Electron tube. K. Schlesinger. 2,390,439; Mar. 12.

- Circuits, Exponential deflecting and centering. M. H. Mesner. 2,412,683; Dec. 17.
- Circuits for railroads, Coded track. F. X. Rees. 2,399,760; May 7.
- Circuits, Frequency relay. E. Pell. 2,402,573; June 25.
- Circuits, Noise suppression. J. A. Worcester, Jr. 2,404,338; July 16.
- Circuits, Operating phonograph over communicating. H. R. Van Deventer. 2,399,961; May 7.
- Circuits, Power supply. G. C. Sziklai. 2,410,369; Oct. 29.
- Circuits, Protector for electric. M. F. Duerkob. 2,400,491; May 21.
- Circuits, Receiver. J. A. Worcester, Jr. 2,401,214; May 28.
- Circuits, Superregenerative receiver. W. R. Koch. 2,410,981; Nov. 12.
- Circuits, Temperature compensating tuned. S. Y. White. 2,407,360; Sept. 10.
- Circular knitting machine. H. H. Holmes and A. P. Saunders. 2,412,267; Dec. 10.
- Circular loom. C. A. Caldes. 2,408,732; Oct. 8.
- Circular saw and dado cover. J. F. Wolfe. 2,406,979; Sept. 3.
- Circulating and temperature control device for refrigerator cars. Air. J. R. Albers and M. M. Lasensky. 2,398,273; Apr. 9.
- Circulating heater. P. Blair. 2,402,595; June 25.
- Circulating system, Condenser. F. D. Shumate and G. W. Saathoff. 2,404,321; July 16.
- Clad material, Processing. R. K. Hopkins. 2,394,383; Feb. 5.
- Cladding, Silver. E. J. Guinee. 2,392,917; Jan. 15.
- Clamp. See—
- Adjustable clamp. Hydraulic internal line-up clamp.
 - Automatic work-adjust- ing C clamp. Lifting clamp.
 - Automobile wheel clamp. Matrix clamp.
 - Bonding clamp. Plate clamp.
 - C clamp. Plate lifting clamp.
 - Cable clamp. Rod clamp.
 - Cable harness clamp. Rotatable bus support clamp.
 - Cinder notch cooler clamp. Skin clamp.
 - Detonator clamp. Sliding hoisting clamp.
 - Electrical ground clamp. Tube clamp.
 - Electricity plug clamp. Universal multiple cable clamp.
 - Electrode stem clamp. Work clamp.
 - Fish scaling clamp. Worm adjusting double hose clamp.
 - Gang clamp.
 - Gum clamp.
 - Hose clamp.
 - Hot line clamp.
- Clamp. P. M. Aalberg. 2,395,607; Feb. 26.
- Clamp. H. B. Chatfield. 2,395,656; Feb. 26.
- Clamp. C. P. Feudtner. 2,411,533; Nov. 26.
- Clamp. F. E. Mahusky. 2,412,223; Dec. 10.
- Clamp. H. Mondelson. 2,397,749; Apr. 2.
- Clamp and coupling, Scaffold. T. B. Kemner. 2,399,681; May 7.
- Clamp and spacer for concrete forms. E. Cornella. 2,411,678; Nov. 26.
- Clamp for master sheets of printing machines. E. J. Janke. 2,411,881; Dec. 3.
- Clamp for platform pulley blocks. D. J. Neale. 2,410,836; Nov. 12.
- Clamp for pneumatic tires, Bead. F. H. Comey. 2,409,666; Oct. 22.
- Clamp for printing press plates. W. M. V. Barker. 2,393,878; Jan. 29.
- Clamp for scaffolds, Safety. J. H. Hermanson. 2,398,306; Apr. 9.
- Clamp for sewing machines, Work. A. R. Wood. 2,410,399; Oct. 29.
- Clamp, Hinged. J. R. O'Donnell. 2,402,570; June 25.
- Clamp operating tool. F. C. Wallace. 2,403,623; July 9.
- Clamp or connector, Contact-making wire. H. H. Eby. 2,405,412; Aug. 6.
- Clamping apparatus. C. H. Parker and W. W. Covington. 2,400,708; May 21.
- Clamping device. L. R. Glaze. 2,405,251; Aug. 6.
- Clamping device. W. W. Hurl. 2,400,512; May 21.
- Clamping device. E. Schmidt. 2,393,659; Jan. 29.
- Clamping device and clamp strip therefor. M. G. Townsley. 2,393,842; Jan. 29.
- Clamping device, Gue. R. H. Miller. 2,407,436; Sept. 10.
- Clamping means for windshield deflector panels. J. H. Webster. 2,411,485; Nov. 19.
- Clamping structure. S. J. Chris. 2,400,253; Oct. 15.
- Clasp. L. N. Alberta. 2,407,466; Sept. 10.
- Clasp. R. Veverka. 2,413,392; Dec. 31.
- Clasp, Earring. L. Feingold. 2,405,025; July 30.
- Clasp for bracelets or the like. R. M. Brimmyer. 2,401,145; May 28.
- Clasp for watch bracelets or the like. L. E. Valcourt. 2,408,279; Sept. 24.
- Clasp, Jewelry. H. Miller. 2,397,284; Mar. 26.
- Clasp, Sheathed knife. D. C. Bailey. 2,398,764; Apr. 23.
- Classifier. G. D. Fenton. 2,409,265; Oct. 15.
- Classifier, Mineral. S. J. Shannon. 2,407,851; Sept. 17.
- Clay, Acid activated. S. R. Foust. 2,398,825; Apr. 23.
- Clays, Treatment of. A. D. Garrison and K. C. ten Brink. 2,408,207; Sept. 24.
- Cleaner. See—
- Air cleaner. Hand cleaner.
 - Automatic spark plug cleaner. Motor block cleaner.
 - Cap cleaner. Pipe cleaner.
 - Capsule cleaner. Roll cleaner.
 - Conveyer belt cleaner. Rotary well bore cleaner.
 - Cotton cleaner. Siphon cleaner.
 - Cuspidor cleaner. Suction cleaner.
 - Electrolytic can cleaner. Vacuum cleaner.
 - Facial cleaner. Windshield cleaner.
- Cleaner. T. C. Worth. 2,406,278; Aug. 20.
- Cleaner and dent straightener, Pipe. J. R. Wood. 2,402,796; June 25.
- Cleaner for air compresses, Two-way air. F. A. Donaldson and J. C. Embom. 2,391,887; Jan. 1.
- Cleaner for compressed air arranged for automatic draining. G. Garner. 2,406,214; Aug. 20.
- Cleaner for beer dispensing systems. E. G. Hedges. 2,413,626; Dec. 31.
- Cleaner for pistons, Ring groove. K. G. Phillips. 2,412,748; Dec. 17.
- Cleaners, Demonstrating device for vacuum. A. J. Chapman. 2,404,040; July 16.
- Cleaning and coating metal, Composition for and method of. S. G. Thornbury. 2,408,155; Sept. 24.
- Cleaning and polishing compositions. J. Ratner. 2,411,938; Dec. 3.
- Cleaning and scouring machine. C. H. Anderson. 2,395,160; Feb. 19.
- Cleaning apparatus, Electrolytic. C. K. Turner. 2,398,059; Apr. 9.
- Cleaning apparatus, Floor. H. A. Travis. 2,397,707; Apr. 2.
- Cleaning apparatus, Suction. C. H. Taylor. 2,409,230; Oct. 15.
- Cleaning composition. A. Douty and F. Heller. 2,396,776; Cleaning composition for aluminum and aluminum alloys. L. R. McCoy. 2,413,365; Dec. 31.
- Cleaning compositions, Liquid. G. M. Skinner. 2,403,618-9; July 9.
- Cleansing device. L. K. Rimer. 2,395,068; Feb. 19.
- Cleaning device. D. F. Rodgers. 2,402,577; June 25.
- Cleaning device, Battery terminal post. J. J. Williams. 2,405,680; Aug. 13.
- Cleaning device, Clothes. K. Wellman. 2,410,823; Oct. 29.
- Cleaning device, Egg. M. A. Brown. 2,402,946; July 2.
- Cleaning horse, Adjustable saddle. G. C. Anderson. 2,403,324; July 2.
- Cleaning internal-combustion engines, Flushing liquid for. R. E. Burk. 2,403,169; July 2.
- Cleaning machine, Carpet and rug. C. E. Erickson. 2,407,140; Sept. 10.
- Cleaning machine, Floor. I. J. Owen. 2,406,247; Aug. 20.
- Cleaning mechanism, Filter. C. G. Vokes and E. A. Stokes. 2,408,130; Sept. 24.
- Cleaning method. B. J. Szatyn. 2,399,267; Apr. 30.
- Cleaning plant, Air. C. W. J. Hedberg. 2,409,563; Oct. 15.
- Cleaning process. C. A. Campbell. 2,399,205; Apr. 30.
- Cleaning system, Vacuum. W. E. Bible. 2,404,358; July 23.
- Cleaning apparatus, Pin. C. L. Turner. 2,411,348; Nov. 19.
- Cleaning attachment for jaw crushing machines, Material. A. P. Hyde. 2,409,863; Oct. 22.
- Cleaning device, Automatic mark. E. F. Wesley. 2,409,232; Oct. 15.
- Cleat assembly for athletic shoes. F. Vietas and F. L. Gardner. 2,412,788; Dec. 17.
- Clenching apparatus. A. Nelson. 2,398,550; Apr. 16.
- Climb and guide control for aircraft, Automatic. C. A. Frische and G. N. Hanson. 2,410,058; Oct. 29.
- Clinometer. L. M. McBride. 2,411,165; Nov. 19.
- Clip. See—
- Adjustable harness clip. Line grounding clip.
 - Air cleaner. Line supporting clip.
 - Aircraft conduit support- ing clip. Pin curl clip.
 - Conduit supporting clip. Safety clip.
 - Cushioned clip. Snap lock harness clip.
 - Detonator retaining clip. Snap-on clip.
 - Fuse clip. Subassembly conduit clip.
 - Genie canner. Suction cleaner.
 - Hair clip. Wire or conduit clip.
 - Hair wave clip. Wire supporting clip.
 - Clip. O. G. Blocher. 2,406,315; Aug. 27.
 - Clip fastening means, Conduit. H. R. Ellinwood. 2,397,253; Dec. 26.
 - Clip for conduits, Supporting. E. M. Morehouse. Re. 22,824; Dec. 24.
 - Clip for connecting and reinforcing joints in wood structures, Metallic. H. B. Maxwell and W. E. Edwards, Jr. 2,413,362; Dec. 31.
 - Clip for wires or conduits. A. Robertson. 2,393,063; Jan. 15.
 - Clip forming and applying machine. S. Frankel. 2,391,891; Jan. 1.
 - Clip for tying and assembly tool. W. E. Jude. 2,394,187; Feb. 5.

- Clip or clamp for use in connecting together structural members. A. Macheth. 2,392,932; Jan. 15.
- Clip or fastener for stovepipes and the like. A. M. Jenkins. 2,406,224; Aug. 20.
- Clip squeezing tool. F. P. Forss. 2,395,562; Mar. 12.
- Clipper and control means thereof, Veneer. W. J. Miller. 2,404,324; Feb. 5.
- Clipper, Fruit. W. O. Thomas. 2,407,803; Sept. 17.
- Clipper, Hair. R. B. Anderson. 2,406,986; Sept. 13.
- Clipping system. J. A. Rado. 2,411,695; Nov. 26.
- Clips, Attaching. L. V. McDonnell and P. Satterlee. 2,410,120; Oct. 20.
- Clips or links, Manufacture of metal. V. J. Del Giudice. 2,413,448; Dec. 31.
- Cloche, greenhouse, and the like. E. G. Johnson. 2,400,421; May 14.
- Clock. F. Q. Rast. 2,403,552; July 9.
- Clock. J. L. Smith. 2,411,597; Nov. 26.
- Clock, Alarm. J. H. Gutteridge. 2,396,947; Mar. 19.
- Clock winding mechanism. S. W. Bramley. 2,412,077; Dec. 3.
- Closer, Collet. J. C. Thomas, III. 2,396,760; Mar. 19.
- Closer for irrigation ridges, Gap. E. R. Bennett. 2,393,279; Jan. 22.
- Closer, Spring door. F. Pfent. 2,411,635; Nov. 26.
- Closet device. A. L. Wenzel. 2,395,104; Apr. 9.
- Closet light. R. A. McDonald. 2,411,100; Nov. 12.
- Closet or toilet, Ventilated water. J. G. Schotthoefer. 2,395,236; Feb. 19.
- Closet, Water. F. J. La Merc. 2,409,048; Oct. 8.
- Closet, Water. F. A. Peter. 2,401,098; Aug. 28.
- Closets, Making dressed metal water. J. Stanitz. 2,411,301; Nov. 19.
- Closing device, Wound. R. Dow. 2,409,261; Oct. 15.
- Closing machine. W. D. Jordan and H. W. Lindgren. 2,393,938; Feb. 5.
- Closing machine. H. B. Peterson and R. E. Renard. 2,397,979; Apr. 9.
- Closure. J. H. Conway. 2,397,948; Apr. 9.
- Closure. W. J. Keith. 2,403,287; July 2.
- Closure. R. Nyden. 2,398,553-4; Apr. 16.
- Closure. R. B. Waite. 2,393,978; Jan. 22.
- Closure and closing containers, Container. F. Gilbert, Jr. 2,403,855; July 9.
- Closure, Bag. W. N. Baker. 2,391,938; Jan. 1.
- Closure, Bag. C. V. Brady. 2,406,661; Aug. 27.
- Closure, Bag. Debate. 2,393,151; Jan. 15.
- Closure, Barrel. H. Merker and H. L. Newton. 2,397,500; Apr. 2.
- Closure, Bottle. F. Ottenstein. 2,404,741; July 23.
- Closure, Bottle. E. Greene. 2,409,846; Oct. 22.
- Closure construction. C. W. Kelly. 2,394,794; Feb. 12.
- Closure, Container. M. E. Baar. 2,394,135; Feb. 5.
- Closure, Container. H. A. Barby and J. M. Wheaton. 2,397,589; Apr. 2.
- Closure, Container. E. M. Enkury. 2,403,511; July 9.
- Closure, Container. W. C. Kesler and V. A. Ryan. 2,413,493; Dec. 31.
- Closure, Container. E. G. King. 2,406,227; Aug. 20.
- Closure, Container. E. G. King. 2,406,298; Aug. 20.
- Closure, Container. R. N. Wallach. 2,411,012; Nov. 12.
- Closure device. C. H. Judd. 2,402,556; June 25.
- Closure device, Bottle. M. Prager. 2,412,833; Dec. 17.
- Closure device for rendering bottles nonrefillable. J. S. del Llano. 2,407,063; Sept. 3.
- Closure device, Screw-threaded. S. H. Smith. 2,408,233; Sept. 24.
- Closure, Dispensing. A. Limbach. 2,393,255-6; Jan. 22.
- Closure fastener. G. R. Gibson. 2,406,459; Aug. 27.
- Closure for bottles, Register. L. F. Zehring. 2,400,328; May 14.
- Closure for cartons. E. J. Biskamp. 2,407,865; Sept. 17.
- Closure for high pressure vessels. D. P. Meigs. 2,396,469; Mar. 12.
- Closure for paper bags, Forming. H. E. Clayton. 2,391,948; Jan. 1.
- Closure for paper board containers. L. C. Brooks. 2,398,405; Apr. 16.
- Closure for paper containers. F. J. O'Brien. 2,406,894; Sept. 3.
- Closure for paper containers, Threaded. F. J. O'Brien. 2,412,004; Dec. 3.
- Closure for sheet-metal container openings. H. W. Dodson. 2,411,149; Nov. 19.
- Closure for valves of bags. A. Norvig. 2,397,198; Mar. 26.
- Closure, Furnace. C. H. West. 2,407,407; Sept. 3.
- Closure, Laminated container. W. A. Smith. 2,403,131; July 2.
- Closure, Laundry net. W. D. Ellis and F. Thesmar. 2,392,034; Jan. 19.
- Closure, Lever-track controlled boom bucket. J. H. Fitzgerald. 2,407,410; Sept. 10.
- Closure means and method. Bag. R. J. Williams and H. C. Davis. 2,404,337; July 16.
- Closure operating mechanism. V. H. Norris. 2,400,568; May 21.
- Closure, Sewed bag. R. E. Read. 2,403,756; July 9.
- Closure, Spirally wound barrel. D. C. Gilles. 2,412,576; Dec. 17.
- Closure structure, Dispensing. E. M. Houghton. 2,393,322; Jan. 22.
- Closure to render bottles nonrefillable, Bottle. H. W. Hagen. 2,408,634; Oct. 1.
- Closure, Vacuumized can. J. H. O'Neil. 2,412,169; Dec. 3.
- Closure, Wall. T. C. Clark, Jr. 2,412,872; Dec. 17.
- Closure, Watertight. V. H. Hurt. 2,409,489; Oct. 15.
- Closures, Hermetic bag and tube. S. Bergstein. 2,412,862; Dec. 3.
- Closures to containers, Applying. A. G. Osborne. 2,409,788; Oct. 22.
- Cloth abrasive holder. C. Stang. 2,401,116; May 28.
- Cloth dyeing machine. H. C. Wolfenden. 2,412,188; Dec. 3.
- Cloth finishing clamp. D. M. McSpadden and J. Cook. 2,400,766; May 21.
- Cloth, Polishing. J. D. Morgan and R. E. Lowe. 2,403,821; July 9.
- Cloth, Tracing. C. J. Stand. 2,409,990; Oct. 22.
- Cloth, Woven. J. V. Weinberger. 2,409,087; Oct. 8.
- Clothes drier. L. Schissel. 2,406,638; Aug. 27.
- Clothes hanger. C. M. Derderian. 2,408,201; Sept. 24.
- Clothesline. A. Arotzky. 2,392,566; Jan. 8.
- Clothesline. A. E. Whelan. 2,402,220; June 18.
- Clothesline. M. E. Seymour. 2,407,387; Sept. 10.
- Clothesline cover. L. M. Littlejohn. 2,407,959; Sept. 17.
- Clothesline, Double duty. B. Goldman. 2,394,301; Feb. 5.
- Clothesline holder. J. Waldheim. 2,393,490; Jan. 22.
- Clothesline tightener. R. J. Rosinski. 2,403,553; July 9.
- Clothespin. E. M. Mosaly. 2,409,379; Oct. 15.
- Clothing, Protective. C. P. Krupp. 2,411,830; Nov. 26.
- Clothing, Protective. C. W. Legullion and C. P. Krupp. 2,409,367; Oct. 15.
- Club, Exercise. L. A. Benecke. 2,396,408; Mar. 12.
- Cluster bomb rack. F. Schultze. 2,395,913; Mar. 5.
- Clutch. 866
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| Air operated clutch. | Hydraulically operated |
| Automatic clutch. | Impact clutch. |
| Automatic hydraulic clutch. | Magnetic clutch. |
| Balanced hydraulic clutch. | Multiple disk energizing clutch. |
| Balking ring clutch. | One-way rotary clutch. |
| Centrifugal clutch. | Overload clutch. |
| Centrifugal type fluid clutch. | Overstepped release clutch. |
| Controllable clutch. | Pressure fluid clutch. |
| Dog clutch. | Punch press clutch. |
| Double clutch. | Radial pressure clutch. |
| Elongating magnetic clutch. | Reversible clutch. |
| Engaging and disengaging mercury clutch. | Reversible releasable clutch. |
| Face clutch. | Self-acting friction clutch. |
| Fluid actuated clutch. | Speed responsive clutch. |
| Fluid clutch. | Synchronizing clutch. |
| Fluid operated clutch. | Torque-responsive clutch. |
| Freewheeling clutch. | Transmission clutch. |
| Friction clutch. | Tuning device clutch. |
| Hydraulic clutch. | Two-way clutch. |
- Clutch. D. A. Baird and J. C. Auten. 2,402,527; June 25.
- Clutch. J. T. Barron. 2,392,719; Jan. 8.
- Clutch. J. J. Bloomfield. 2,400,625; May 21.
- Clutch. C. M. Eason. 2,391,955; Jan. 1.
- Clutch. C. M. Eason. 2,408,301; Sept. 24.
- Clutch. M. L. Fast. 2,397,414; Mar. 26.
- Clutch. D. Firth and A. T. Bodle. 2,396,647; Mar. 19.
- Clutch. F. L. Hetzel and V. E. Carstedt. 2,409,757; Oct. 22.
- Clutch. A. J. Kindig and J. W. Homer. 2,402,897; June 25.
- Clutch. H. A. Knox. 2,405,582; Aug. 13.
- Clutch. J. E. Kostur. 2,407,019; Sept. 3.
- Clutch. N. D. Levin. 2,400,835; May 21.
- Clutch. H. J. Luehrs. 2,411,739; Nov. 26.
- Clutch. A. S. Odeveff. 2,399,886; May 7.
- Clutch. J. D. Raucher. 2,392,135; Jan. 1.
- Clutch. H. Schneider. 2,398,806; Apr. 23.
- Clutch. C. B. Spase. 2,407,727; Sept. 17.
- Clutch. R. Townsend. 2,401,524; June 4.
- Clutch and bearing construction. A. Y. Dodge. 2,407,772; Sept. 17.
- Clutch and bearing, One-way. A. Y. Dodge. 2,412,803; Dec. 17.
- Clutch and brake for electric motors and generators, Automatic. C. L. Paulus and R. K. Stout. 2,408,805; Oct. 8.
- Clutch and brake mechanism. E. K. Johansen. 2,402,052; June 11.
- Clutch and pattern drum mechanism. E. St. Pierre. 2,411,805; Nov. 19.
- Clutch arbor. Pin. R. A. Young. 2,408,503; Oct. 1.
- Clutch construction. W. C. Starkey. Re. 22,767; June 11.
- Clutch control. C. R. Rogers, W. O. Bechman, and J. F. Ziskal. 2,409,515; Oct. 15.
- Clutch control means. O. E. Fishburn. 2,393,153; Jan. 15.
- Clutch driven hydraulic pump. G. D. Shaeffer. 2,413,081; Dec. 24.
- Clutch for mechanical time fuses, Friction. Y. Sekella. 2,407,055; Mar. 19.
- Clutch mechanism. R. E. Burrus. 2,396,985; Mar. 19.

- Clutch mechanism. E. K. Johansen and R. W. Glasner. 2,393,427; Mar. 12.
- Clutch mechanism. A. T. Nabstedt. 2,393,398; Jan. 22.
- Clutch mechanism. M. Pedersen. 2,412,006; Dec. 3.
- Clutch mechanism. O. E. Wolff. 2,400,585; May 21.
- Clutch mechanism, Automatic. L. F. Moroney. 2,395,576; Feb. 26.
- Clutch mechanism, Fluid pressure. L. O. McLean. 2,408,327; Sept. 24.
- Clutch mechanism for variable-speed gearing. E. T. Gillard. 2,403,594; July 9.
- Clutch mechanism, Governor. C. Springborn. 2,401,982; June 11.
- Clutch mechanism, Sequentially controlled multiple. A. F. Pott. 2,399,890; May 7.
- Clutch plate. J. Y. Blazek and G. E. Sears. 2,397,642; Apr. 2.
- Clutch structure. C. Gerst. 2,392,984; Jan. 15.
- Clutch structure. C. Gerst. 2,401,864; June 11.
- Clutches and the like, Mechanism for actuating. A. McMillan. 2,400,765; May 21.
- Clutches, gears, and other toothed parts, Grinding. E. Wildhaber. 2,401,446; June 4.
- Clutches, One-way. A. Y. Dodge. 2,404,221; July 16.
- Clutches, Producing face. E. Wildhaber. 2,394,222; Feb. 5.
- Clutches to speed gears, Connection of. G. F. Halliday and A. W. Thomas. 2,407,955; Sept. 17.
- Clutching mechanism. T. O. Ojutkangas. 2,398,716; Apr. 16.
- Coach body. D. E. Austin. 2,405,394; Aug. 6.
- Coagulation process. W. Squires, Jr., and P. T. Parker. 2,408,128; Sept. 24.
- Coal and air to furnaces, Method and apparatus for supplying pulverized. E. G. Smith. 2,400,002; Oct. 8.
- Coal for coking, Method and apparatus for preparing. F. Puening. 2,408,810; Oct. 8.
- Coal for production of an activated primary carbon, Calcining. W. C. Goss. 2,407,263; Sept. 10.
- Coal mine haulage vehicle. W. R. Beck. 2,405,636; Aug. 13.
- Coal mining apparatus. C. E. Brown. 2,408,967; Oct. 8.
- Coal mine haulage vehicle. W. R. Beck. 2,399,619; May 7.
- Coaster brake. E. E. Hood. 2,410,785; Nov. 5.
- Coat construction. J. Gluseff. 2,396,095; Mar. 5.
- Coat hanger. H. O. Joseph. 2,407,015; Sept. 3.
- Coat hanger. O. L. O'Neal and V. L. Miller. 2,392,257; Jan. 1.
- Coat hanger. C. L. Rothweiler. 2,409,708; Oct. 22.
- Coat hanger adapted to be sewed into the shoulder lining of clothes. R. Senn. 2,411,233; Nov. 19.
- Coat hanger or wall rack. W. Scurren. 2,408,344; Sept. 24.
- Coated article. M. Brown and R. E. Harr. 2,398,881; Apr. 23.
- Coated article, Enamel. M. Brown and R. E. Harr. 2,399,094; Apr. 23.
- Coated articles, Manufacture of. W. J. Malcolmson and R. V. Miner. 2,398,712; Apr. 16.
- Coated articles, Manufacturing. J. T. Muller. 2,412,644; Dec. 17.
- Coated board. Manufacture of. C. C. Heritage. 2,409,628-9; Oct. 22.
- Coated fabric. C. Dreyfus. 2,393,302; Jan. 22.
- Coated fabric. E. A. Rodman. 2,404,313; July 16.
- Coated materials, Production of dust. M. H. Arveson. 2,399,717; May 7.
- Coated metal container. J. C. Morrell. 2,412,528; Dec. 10.
- Coated methyl methacrylate polymer. M. F. Bechtold. 2,404,357; July 23.
- Coated vegetable-fiber board, Making a. C. C. Heritage and H. E. Valter. 2,409,630; Oct. 22.
- Coating. C. B. McManis. J. D. Elder. G. B. Cooke, and A. J. Dornblatt. 2,405,662; Aug. 13.
- Coating. R. M. Thomas and C. W. Ostrander. 2,393,943; Jan. 29.
- Coating. P. Van Dyck and C. B. Bradley. 2,402,474; June 18.
- Coating and impregnating compositions, Fire-resisting. C. F. Moon and N. Collinson-Jones. 2,407,615; Sept. 10.
- Coating and rolling apparatus or the like. M. Cohen, G. A. Jorgenson, and G. Hasty. 2,402,874; June 25.
- Coating apparatus. W. H. Barrett and B. K. Asdell. 2,406,057; Aug. 20.
- Coating apparatus. G. K. Burns, S. Pitt, and D. V. Waters. 2,401,407; May 28.
- Coating apparatus. T. G. Cunnig. 2,402,986; July 2.
- Coating apparatus. W. D. Maxim and E. Hutchins. 2,406,470; Aug. 27.
- Coating apparatus. R. G. Rowe and J. P. Goepfert. 2,402,183; June 18.
- Coating apparatus, Heel. E. E. Winkley. 2,401,395; June 4.
- Coating apparatus, Lens. G. L. Dimmick. 2,410,720; Nov. 5.
- Coating applying device. R. C. Adams. 2,411,842; Dec. 3.
- Coating by flame-spraying method. M. L. Macht and M. M. Renfrew. 2,410,225; Oct. 29.
- Coating composition. L. W. Chubb, Jr., and C. J. T. Young. 2,397,242; Mar. 26.
- Coating composition. C. Dreyfus and B. Andersen. 2,397,093; Mar. 26.
- Coating composition. C. K. Sloan and G. D. Patterson. 2,410,187; Oct. 29.
- Coating composition. W. E. Tann. 2,393,495; Jan. 22.
- Coating composition and making same, Liquid. G. Witty. 2,406,649; Aug. 27.
- Coating composition and preparing same. H. Gerhart. 2,399,179; Apr. 30.
- Coating composition, Cellulose acetate butyrate. C. Bogin. 2,400,453; May 14.
- Coating composition, Fire resistant. M. Leatherman. 2,407,668; Sept. 17.
- Coating composition, Liner. A. A. Srere. 2,413,007; Dec. 24.
- Coating composition, Nonadherent. I. M. Bernstein. 2,396,633; Mar. 19.
- Coating composition, Preparing. W. F. May. 2,395,895; Mar. 5.
- Coating composition, Removable. H. K. Ash. 2,404,353; July 23.
- Coating compositions. W. E. Craig. 2,394,233; Feb. 5.
- Coating compositions. L. M. Kehrlich and E. P. Peterson. 2,406,609; Aug. 27.
- Coating compositions. A. N. Laus. 2,396,051; Mar. 5.
- Coating compositions. F. J. Soday. 2,395,076; Feb. 19.
- Coating compositions and manufacturing. W. T. Walton and W. Eysenbach. 2,395,925; Mar. 5.
- Coating compositions for moisture-proofing by hot melt coating. M. Salo. 2,409,985-6; Oct. 22.
- Coating compositions for use in preparing photo-templates. A. Salassa and R. A. McGlone. 2,393,583; Jan. 29.
- Coating compositions, Liquid. M. Riccietello. 2,411,554; Nov. 26.
- Coating compositions, Vinyl resin. G. H. Morey. 2,408,174; Sept. 24.
- Coating compound. W. J. Baldwin. 2,396,979; Mar. 19.
- Coating device. V. F. Zdanecwicz. 2,412,954; Dec. 24.
- Coating films, Applying. M. Wilson. 2,405,249; Aug. 6.
- Coating for cadmium and zinc. R. M. Thomas and C. W. Ostrander. 2,393,663; Jan. 29.
- Coatings for cellulose acetate plastics. C. Bogin. 2,406,658; Aug. 27.
- Coating for packaging polymers, Surface. F. Knott, Jr., and M. A. Pavlick. 2,394,616; Feb. 12.
- Coating lead sheathed cable. T. K. Cox, A. N. Gray, and V. A. Rayburn. 2,393,024; Jan. 15.
- Coating machine. R. E. J. Nordquist. 2,395,903; Mar. 5.
- Coating machine. J. A. Paasche. 2,400,315; May 14.
- Coating machine and coating. G. L. Sherwood. 2,404,000; July 16.
- Coating material. H. O. Farr, Jr. 2,392,135; Jan. 1.
- Coating material and composition. G. B. Cooke and F. J. Gavin. 2,394,843; Feb. 12.
- Coating material, Chemical-resistant. D. W. Young. 2,409,336; Oct. 15.
- Coating material for lining cans. W. F. May. 2,395,894; Mar. 5.
- Coating material, Water repellent. R. Canter and H. D. Geyer. 2,404,431; July 23.
- Coating materials. H. L. Gerhart. 2,392,732; Jan. 8.
- Coating, Metal. E. S. Mott. 2,398,705; Apr. 9.
- Coating, Metallic. E. E. Bryant. 2,403,706; July 9.
- Coating process and apparatus therefor, Metal. T. Sendzimir. 2,401,374; June 4.
- Coating process, Metal. A. Douty and G. C. Romig. 2,403,426; July 2.
- Coating sheet materials. P. J. Massey and L. M. Burgess. 2,402,903; June 25.
- Coating, Thermoplastic. T. W. Noble. 2,394,254; Feb. 5.
- Coating, Temporary. G. Selden. 2,408,814; Oct. 8.
- Coatings for nonferrous metals, Protective. G. W. Jernstedt and J. C. Lum. 2,394,065; Feb. 5.
- Coatings, Metal protective. H. S. Holt. 2,402,551; June 25.
- Coatings, Temporary protective. J. D. Ryan. 2,392,768; Jan. 8.
- Coatings to flexible strips and the like, Applying plastic. H. A. Cook, Jr. 2,401,550; June 4.
- Coaxial distributor and system, High-frequency. F. A. Jenks and D. F. Folland. 2,408,779; Oct. 8.
- Coaxial line. E. C. Okress and P. Kusch. 2,404,085; July 16.
- Cobaltite, Separation of. J. R. Cunningham. 2,403,640; July 9.
- Cock, Selector. O. M. Burkhardt. 2,405,940; Aug. 20.
- Cocoa manufacture. L. C. Benedict. 2,397,402; Mar. 26.
- Cocoa, Removal of actuating substances from. G. Lawton. 2,398,945; Apr. 23.
- Code detecting means. F. H. Nicholson. 2,403,744; July 9.
- Coffee extracters, Making. J. L. Kellogg. 2,408,260; Sept. 24.
- Coffee macts. A. D. Strahm. 2,400,613; May 21.
- Coffee making machine. T. L. Laerman. 2,398,314; Apr. 9.
- Coffee, Making solid concentrates of. C. W. Carter. 2,398,081; Apr. 9.
- Coil and condenser, Combination. C. E. Dolberg. 2,403,349; July 2.
- Coil, Shielded. H. O. Berg. 2,407,916; Sept. 17.
- Coil winding device. O. J. Luke. 2,412,591; Dec. 17.
- Coil, Winding special continuous. F. D. Fielder and E. J. Grimmer. 2,393,037; Jan. 15.

- Colled structures, Making. H. J. Doell. 2,392,842; Jan. 15.
- Coiling apparatus. J. A. Wagner. 2,407,353; Sept. 10.
- Coils and yoke and manufacturing same, Deflecting. G. L. G. Formdman. 2,393,736; Feb. 26.
- Coil gridding. A. C. Korte. 2,400,008; May 7.
- Coils, Making inductance. E. R. Mann. 2,404,185; July 16.
- Coin controlled multiple certificate and printing means. C. Peterson. 2,411,805; Nov. 26.
- Coin counting device. E. Reis. 2,396,605; Mar. 12.
- Coin selector device. H. T. Larimore. 2,395,279; Feb. 19.
- Coin separator. W. F. O'Toole. 2,398,959; Apr. 23.
- Coin wrapping machine. J. B. Barron. 2,394,886; Feb. 12.
- Coke-oven method. J. Becker. 2,402,592; June 25.
- Cold worked hollow stem valve. J. M. Kerwin and S. H. Norton. 2,411,734; Nov. 26.
- Collapsible bottle carrier. E. Arnold. 2,395,711; Feb. 26.
- Collapsible box. H. V. Fintz. 2,396,168; Mar. 5.
- Collapsible container. P. Zalkind. 2,396,140; Mar. 5.
- Collapsible cooking receptacle. B. H. Foster. 2,395,794; Feb. 26.
- Collapsible device. E. J. Stone. 2,409,452; Oct. 15.
- Collapsible garment hanger. W. Gersohn. 2,409,269; Oct. 15.
- Collapsible horse or support. H. C. Evans. 2,399,861; May 7.
- Collapsible receptacle. L. H. Williams. 2,405,627; Aug. 13.
- Collapsible table. K. Peter. 2,406,436; Aug. 27.
- Collapsible tube. B. Bogoslovsky. 2,396,635; Mar. 19.
- Collapsible tube. B. Bogoslovsky. 2,411,244; Nov. 19.
- Collapsible tube. W. Zahara. 2,401,784; June 11.
- Collapsible tube holder. E. L. Lahtinen. 2,396,016; Mar. 5.
- Collapsible wheel aligning gauge. W. W. Laughlin. 2,401,255; May 28.
- Collar. M. M. and V. M. Newman. 2,411,385; Nov. 19.
- Collar and cementing shoe, Float. R. N. Burnett. 2,393,457; Jan. 22.
- Collar and the like. J. H. Skinkle and L. Weinstein. 2,393,828-9; Jan. 29.
- Collar can collar and mounting therefor. W. F. Punte. 2,403,192; July 2.
- Collar can collar mounting. J. Coyle and W. F. Punte. 2,403,788; July 9.
- Collar, Flea-guard dog. T. A. Lamb, Jr. 2,401,253; May 28.
- Collar, Foree. H. B. Brosse. 2,394,144; Feb. 5.
- Collar, Shirt. H. Henschel. 2,405,788; Aug. 13.
- Collar, Turndown shirt. L. U. Michael. 2,408,570; Oct. 1.
- Collating apparatus. A. P. Karbach, Jr., and V. D. Evans. 2,398,646; Apr. 16.
- Collector, Current. W. J. Lewis and J. H. Sanfor. 2,411,797; Nov. 26.
- Collector, Current. L. H. Strafe. 2,406,262; Aug. 20.
- Collector, Cyclone dust. J. Crites. 2,408,250; Sept. 24.
- Collector, Dust. C. J. Peterson. 2,407,722; Sept. 17.
- Collector, Dust. R. J. Stewart. 2,407,751; Sept. 17.
- Collector for grinding operations, Dust. E. F. Fisher. 2,399,629; May 7.
- Collector for rotating machines, Current. E. Kobel. 2,401,166; May 28.
- Collector-ring assembly, Supercharged, B. A. Rose and F. B. Powers. 2,393,066; Jan. 15.
- Collector, Trolley shoe current. C. M. Feist. 2,399,995; May 7.
- Collector, Unit dust. C. S. Hulton. 2,413,499; Dec. 31.
- Collet. A. M. Stoner. 2,403,136; July 2.
- Collet actuator, Co-ordinated-cam. R. F. Brennen. 2,410,807; Nov. 12.
- Collet chuck. K. C. Bugg. 2,393,140; Jan. 15.
- Collet chuck. R. E. Hines. 2,410,344; Oct. 29.
- Collet chuck. W. H. Schneider. 2,397,159; Mar. 26.
- Collet chuck, Drawn-in. J. N. Landau. 2,398,540; Apr. 16.
- Collet chuck, Fluid actuated. G. W. Cook. 2,393,458; Jan. 22.
- Collet tube coiler. J. D. Petsche. 2,397,561; Apr. 2.
- Collimating system. E. H. Land. 2,405,960; Aug. 20.
- Collimator. K. O. Sisson. 2,405,063; July 30.
- Collimating gauge. D. F. Ringie. 2,404,889; July 30.
- Colloid mill. A. A. Lund. 2,402,170; June 18.
- Colloid resists with substantive dyes, Developing. F. T. Powers. 2,411,108; Nov. 12.
- Colloidal dispersions, Method and apparatus for concentrating. H. W. Tausch. 2,397,818; Apr. 2.
- Colloiddly dispersed dimethylol urea resins. C. S. Maxwell. 2,407,376; Sept. 10.
- Color correction process, Photographic. Le R. M. Dearing. 2,393,756; Jan. 29.
- Color, Dehydrated caramel. W. A. Heyman. 2,402,999; July 2.
- Color flicker reducing apparatus. M. Cawein. 2,393,235; Jan. 22.
- Color matching apparatus. J. L. Michaelson. 2,411,741; Nov. 26.
- Color photography and compositions and elements therefor utilizing polymeric quaternary ammonium dye intermediates. J. E. Kirby. 2,396,275; Mar. 12.
- Color pictures, Color correction of. G. F. Rackett. 2,413,468; Dec. 31.
- Color stabilization. H. C. Black. 2,408,904; Oct. 8.
- Coloration of textile materials. H. Platt and C. M. Croft. 2,405,669; Aug. 13.
- Colored designs, Method and apparatus for producing. J. Buschell and B. Ivins. 2,393,968; Feb. 5.
- Colored gas signal. D. M. MacMillan and J. Vinton. 2,402,968; July 2.
- Colored gas signal. D. M. MacMillan, J. Vinton, and A. C. Paiva. 2,398,545; Apr. 16.
- Colored light signal. W. B. Wells. 2,413,127; Dec. 24.
- Colored photographic pictures, Production of. B. Gaspar. 2,410,025; Oct. 29.
- Colorfilm and processing the same, Multilayer reversal. H. H. Duerr and H. W. Morrell, Jr. 2,393,027; Jan. 15.
- Coloring compounds, Indigoid. J. B. Dickey and J. G. McNally. 2,397,928; Apr. 9.
- Coloring matters, Manufacture of. H. Dreyfus. 2,402,538; June 25.
- Coloring matters, Manufacture of new. E. P. Goodings and M. A. T. Rogers. 2,410,604; Nov. 5.
- Coloring matters, Manufacture of new. M. A. T. Rogers. 2,407,346; Sept. 10.
- Column construction for industrial trucks, Steering. T. B. Funk. 2,398,498; Apr. 16.
- Column for prone positioned pilots, Control. C. H. Zimmerman. 2,411,770; Nov. 26.
- Column, Fractionating. W. J. Podbielniak. 2,400,021; May 7.
- Column, Steering. C. C. Oliver. 2,409,062; Oct. 8.
- Comb. E. L. Hollenbeck. 2,408,142; Sept. 24.
- Comb. G. H. Kemmer. 2,395,002; Feb. 19.
- Comb. C. Lewis. 2,410,086; Oct. 29.
- Comb. E. P. Randall. 2,403,551; July 9.
- Comb. B. M. Schweizer. 2,397,696; Apr. 2.
- Comb and case, Sanitary self-cleaning. W. S. Richards. 2,398,039; Apr. 9.
- Combining cans, therefor, Self-cleaning. J. Schier. 2,405,372; Aug. 6.
- Comb and curler, Finger waving. Z. Stinson. 2,401,117; May 28.
- Comb, Beautician's. M. L. Fluman. 2,411,252; Nov. 19.
- Comb, Hair. J. D. Dorkin. 2,401,143; May 28.
- Comb, Hair. F. Price. 2,401,186; May 28.
- Comb, Hair curling. D. A. Day. 2,406,490; Aug. 27.
- Comb-needle assembly, Textile. J. S. Smith. 2,404,755; July 23.
- Comb system, Top. F. L. Crockett. 2,410,150; Oct. 29.
- Comber. A. Job. 2,410,738; Nov. 5.
- Combs from sheet stock, Making. W. Huppert. 2,408,778; Oct. 8.
- Combination aerial and land vehicle. R. C. Read and E. W. Schlieben. 2,410,234; Oct. 29.
- Combination bactericidal and illuminating lamp. W. B. Morehouse. 2,407,379; Sept. 10.
- Combination cigarette and card case. G. G. Meri. 2,410,987; Nov. 12.
- Combination drafting instrument. G. H. Thurston. 2,393,873; Jan. 29.
- Combination for use in accounting. F. W. Trumbull. 2,401,030; May 28.
- Combination gas and liquid fuel burner. Z. J. Hauszvic. 2,412,579; Dec. 17.
- Combination gas and oil burner. W. A. Clements. 2,393,857; Jan. 23.
- Combination hand tool. L. C. Hotvedt. 2,407,832; Sept. 17.
- Combination heater and refuse burner. D. Handelan. 2,404,705; July 23.
- Combination lock. T. J. Gray. 2,393,465; Jan. 22.
- Combination lock. S. S. Karavia. 2,394,188; Feb. 5.
- Combination stretcher and invalid's reclining chair. J. P. Letschert. 2,400,155; May 14.
- Combination tool. A. J. Cothern. 2,394,845; Feb. 12.
- Combination tool. P. W. Tankum. 2,403,254; July 2.
- Comb and work and jig support. H. B. Daley. 2,401,054; May 28.
- Combined amplifier and power supply circuit. H. Goldberg and W. C. Thompson. 2,403,716; July 9.
- Combined check sorting and photographing apparatus. S. Gorad and P. F. Jacobs. 2,393,462; Jan. 22.
- Combined chimney and blowoff valve. H. L. Wetherbee. 2,406,727; Aug. 27.
- Combined door-hinging, door-checking, and door-holding device. R. I. Schonitzer. 2,394,014; Feb. 5.
- Combined gauge hole cover and vapor line connector. J. H. Wiggins. 2,406,521; Aug. 27.
- Combined hand and shopping bag. C. Plapler. 2,412,007; Dec. 3.
- Combined limiter and squelch circuit. E. R. Pfaff. 2,405,845; Aug. 13.
- Combined package and serving container. W. H. Barton and H. M. Snell. 2,401,038; May 28.
- Combined thread and rubber bearing. J. W. Leighton. 2,400,238; May 14.
- Combining and ironing machine. Fur. R. L. Griffin and N. Y. Moore. 2,405,032; July 30.
- Combining and separating device. L. McL. Hunter. 2,404,252; July 16.
- Combustible gas indicator. M. G. Jacobson and R. E. Hartline. 2,393,220; Jan. 15.

- Combustibles. C. M. Loane and R. W. Watson. 2,391,988; Jan. 1.
- Combustion apparatus. L. H. Abel. 2,398,911; Apr. 23.
- Combustion apparatus. R. H. Goddard. 2,395,406; Feb. 26.
- Combustion apparatus. R. H. Goddard. 2,396,567; Mar. 12.
- Combustion apparatus. R. H. Goddard. 2,397,658; Apr. 2.
- Combustion apparatus. D. J. Mossarth. 2,398,031; Apr. 9.
- Combustion apparatus. C. Scholl. 2,396,888; Mar. 19.
- Combustion apparatus for aircraft, Rotatable. R. H. Goddard. 2,395,403; Feb. 26.
- Combustion burner. I. Lubbock and F. J. Battershill. 2,398,654; Apr. 16.
- Combustion chamber. R. H. Goddard. 2,405,785; Aug. 13.
- Combustion control apparatus. S. A. Pearson. 2,408,445; Oct. 1.
- Combustion engine. F. G. Prieto. 2,399,507; Apr. 30.
- Combustion engine. F. G. Prieto. 2,403,395; July 2.
- Combustion improving apparatus. J. E. Pernet. 2,406,398; Aug. 27.
- Combustion turbine burner. H. A. Altorf. 2,411,181; Nov. 19.
- Combustion unit. C. F. Heath. 2,403,860; July 9.
- Comforter. R. M. Leslie. 2,399,235; Apr. 30.
- Comforter. F. C. Leslie. 2,402,648; June 25.
- Communicating and drying materials, Method and apparatus for. N. N. Stephanoff. 2,392,866; Jan. 15.
- Communicating intelligence, Method and system for. N. H. Young, Jr. 2,406,881; Sept. 3.
- Communication. E. Labin and D. D. Grieg. 2,410,350; Oct. 29.
- Communication and distance determining system. I. Wolf. 2,407,199; Sept. 3.
- Communication and recognition system. H. B. Deal. 2,404,696; July 23.
- Communication between ships. W. B. Ellwood. 2,406,360; Aug. 27.
- Communication equipment. W. E. Gilman. 2,394,374; Feb. 5.
- Communication in pipe line. E. W. Smith. 2,407,299; Sept. 10.
- Communication in pipe lines. E. W. Smith. 2,406,859; Sept. 3.
- Communication, Speech privacy. F. G. Buhrendorf. 2,406,347; Aug. 27.
- Communication system. R. A. Clark, Jr. 2,393,291; Jan. 22.
- Communication system. R. V. L. Hartley. 2,405,211; Aug. 6.
- Communication system. F. S. Kinhead. 2,407,286; Sept. 10.
- Communication system. D. G. C. Luck. 2,404,306; July 16.
- Communication system. L. A. Meacham. 2,408,085; Sept. 24.
- Communication system. N. D. Preston. 2,408,878; Oct. 8.
- Communication system. H. H. Schneekloth. 2,413,001; Dec. 24.
- Communication system. A. C. Schroeder. 2,406,165; Aug. 20.
- Communication system. J. O. Shepherd. 2,398,755; Apr. 16.
- Communication system, Carrier. L. G. Abraham. 2,407,238; Sept. 10.
- Communication system, Directionally selective radio. R. E. Hersey. 2,401,759; June 11.
- Communication system, Electric wave. E. M. Deloraine. 2,412,974; Dec. 24.
- Communication system, Facsimile. J. H. Homrighous. 2,409,488; Oct. 15.
- Communication system for ultra high frequencies. L. J. Wolf. 2,407,860; Sept. 17.
- Communication system, High-frequency electrical. P. K. Chatterjee and L. W. Houghton. 2,406,803; Sept. 3.
- Communication system, Pulse. M. G. Crosby. 2,401,618; June 4.
- Communication system, Radio. J. C. O'Brien. 2,407,846; Sept. 17.
- Communication system, Radio. L. C. Roberts. 2,407,684; Sept. 17.
- Communication system, Secret. A. V. Bedford. 2,401,402; June 4.
- Communication system, Secret. A. N. Goldsmith. 2,405,252; Aug. 6.
- Communication system, Secrecy. P. K. Chatterjee and L. W. Houghton. 2,412,964; Dec. 24.
- Communication system, Secrecy. J. F. Craib. 2,402,059; June 11.
- Communication system, Secrecy. J. H. Hammond, Jr. 2,404,830; July 30.
- Communication system, Secrecy. A. V. Loughren. 2,402,058; June 11.
- Communication system, Secrecy. C. S. Szegho. 2,401,985; June 11.
- Communication system, Ultra short wave. H. E. Goldstine. 2,396,696; Mar. 5.
- Communication systems, Suppression of noise in. S. T. Flsher. 2,409,977; Oct. 22.
- Communication, Wireless. A. Korn. 2,403,603; July 9.
- Communications system. W. S. Halstead. 2,407,417; Sept. 10.
- Communications system. W. S. Halstead. 2,411,786; Nov. 26.
- Communications system, Cryptographic. J. E. Smith. 2,401,888; June 11.
- Commutator apparatus. N. E. Lindenblad. 2,402,422; June 18.
- Commutator construction. F. A. Heddleson and A. C. Weierich. 2,408,210; Sept. 24.
- Commutators, Making. C. E. Meyerhoefer. 2,400,590; May 21.
- Compact. A. A. Flaster. 2,399,997; May 7.
- Compact, Illuminating. M. Aronek. 2,392,516; Jan. 8.
- Compacting machine. R. Harach. 2,412,393; Dec. 10.
- Comparator. E. F. Hohwart. 2,409,280; Oct. 15.
- Comparator, Phase. R. E. Troell. 2,405,073; July 30.
- Comparison system, Phase. M. Fuchs. 2,407,659; Sept. 17.
- Compartment in shape of catenary, Storage. S. Steele. 2,397,762; Apr. 2.
- Compartmented fiberboard egg case. R. Guyer. 2,404,704; July 23.
- Compass. F. W. Chapman. 2,407,536; Sept. 10.
- Compass. A. M. Moen. 2,393,098; Jan. 29.
- Compass. P. Reitzer. 2,396,202; Mar. 5.
- Compass, Beam. R. M. Eskil. 2,400,343; May 14.
- Compass compensation, System of. H. Jenkins. 2,412,617; Dec. 17.
- Compass fluid. J. D. Morgan and R. E. Lowe. 2,398,662; Apr. 16.
- Compass, Gyromatic radio. W. P. Lear and W. D. Davis. 2,392,329; Jan. 8.
- Compass, Inductor. E. J. Martin and C. E. Grinstead. 2,403,669; July 2.
- Compass, Magnetic. S. S. Krasnow and J. M. S. Kaufman. 2,402,638; Jan. 25.
- Compass, Magnetic. B. E. Sherrill. 2,396,133; Mar. 5.
- Compass system. P. A. Noxon. 2,399,885; May 7.
- Compensating circuit. W. J. O'Brien. 2,404,809; July 30.
- Compensating device. J. J. Moynihan. 2,396,056; Mar. 5.
- Compensating means, Jacquard. J. Robinson. Re. 22,804; Oct. 15.
- Compensator, Electric. L. Batchelder. 2,406,340; Aug. 27.
- Compensator for fuel pumps, Altitude. M. A. Trisler. 2,406,873; Sept. 3.
- Compensator, Multiple band radio direction. W. P. Lear. 2,398,100; Apr. 9.
- Compensator, Voltage. E. M. Callender. 2,393,884; Jan. 29.
- Complex waves, Representation of. W. Koenig, Jr. 2,403,983; July 16.
- Complex waves, Representation of. W. Koenig, Jr., and A. E. Ruppel. 2,403,984; July 16.
- Complex waves, Representation of. R. K. Potter. 2,403,997; July 16.
- Composite material. J. Harmon. 2,393,987; Feb. 5.
- Composite sheet material. F. W. Clark. 2,400,487; May 21.
- Composite slab sheet or plate. W. Noble. 2,391,997; Jan. 1.
- Composite strip stock, Method and apparatus for making. C. A. Mann. 2,405,222; Aug. 6.
- Composite structure. O. H. Webb. 2,401,281; May 28.
- Composition. M. P. Kleinholz. 2,403,928; July 16.
- Composition. G. C. North, A. J. Alton, and L. Little. 2,392,995; Jan. 15.
- Composition adapted for inductive heating and using same. F. Kohler. 2,393,541; Jan. 22.
- Composition and process, Deforming. R. H. Larsen. 2,412,276; Dec. 10.
- Composition comprising vermiculite and a thermoplastic resin. T. P. G. Shaw. 2,411,470; Nov. 19.
- Composition, Corrosion resistant. J. I. Wasson and G. W. Duncan. 2,401,993; June 11.
- Composition, Detergent. L. H. Flett and G. C. Toone. 2,401,726; June 11.
- Composition, Dust preventive. E. R. Butcher. 2,399,464-5; Apr. 30.
- Composition for cleaning dentures. F. D. Snell and K. W. Haeseler. 2,409,718; Oct. 22.
- Composition for conditioning thread. R. D. MacLaurin. 2,404,240; July 16.
- Composition for discharge printing. E. C. Jensen, H. G. Scull, and J. G. McNally. 2,409,980; Oct. 22.
- Composition for effecting agglomeration of solids in aqueous suspensions. R. Tutt, Jr., R. Hubbard, and C. R. McKee. 2,403,143; July 2.
- Composition for lining the joints of sheet metal containers. J. E. Robinson and P. W. Milleot, Jr. 2,395,502; Feb. 26.
- Composition for lining the seams of sheet metal containers. J. E. Robinson and P. W. Milleot, Jr. 2,392,412; Jan. 8.
- Composition for removal of suspended or dissolved materials from liquids, Coagulant. R. Willem. 2,393,269; Jan. 22.
- Composition from waste liquor of cellulose, Manufacturing a. E. Rheinberger. 2,400,053; May 7.
- Composition, molded product, and making, Molding. E. A. Hauser and E. M. Dannenberg. 2,401,348; June 4.
- Composition of matter. A. Burger. 2,400,013; May 28.

- Composition of matter. E. L. Carr. 2,393,500; Jan. 22.
 Composition of matter. E. L. Carr. 2,393,507; Jan. 22.
 Composition of matter. C. F. Gibbs. 2,393,156; Jan. 15.
 Composition of matter. W. C. Smith. 2,396,293; Mar. 12.
 Composition of matter. J. C. Zimmer and A. J. Morway. 2,395,271; Apr. 9.
 Composition of matter and making same. M. De Groot. 2,395,400; Feb. 26.
 Composition of matter and making same. M. De Groot. 2,403,343-4; July 2.
 Composition of matter and making same. M. De Groot and B. Keiser. 2,394,432; Feb. 5.
 Composition of matter and making same. M. De Groot and B. Keiser. 2,401,055; May 28.
 Composition of matter and making same. M. De Groot, B. Keiser, and A. F. Wirtel. 2,403,345; July 2.
 Composition of matter and method. R. S. Shelton and M. G. Van Campen, Jr. 2,408,345; Sept. 24.
 Composition of matter, coated article, and making the same. F. J. Soday. 2,394,816; Feb. 12.
 Composition of matter for making road markers, laying floors, and the like. F. J. Farrell. 2,393,525; Jan. 22.
 Composition of matter, New. M. De Groot. 2,400,393; May 14.
 Composition of matter suitable as a hydraulic fluid. M. H. Kollen. 2,408,983; Oct. 8.
 Composition of matter suitable for use as a lubricant and lubricant comprising the same. J. M. Musselman. 2,399,243; Apr. 30.
 Composition of matter suitable for use as a lubricant and lubricant comprising the same. J. M. Musselman. 2,413,332; Dec. 31.
 Composition or admixture for concrete and incorporating it therein. J. V. Drummond. 2,393,597; Jan. 29.
 Compositions and applications thereof, Plastic. W. H. Homan. 2,397,612; Apr. 2.
 Compositions containing diazinal carboxy-alkyl sulphides. G. F. D'Alelio and J. W. Underwood. 2,393,753; Jan. 29.
 Compositions, Dry size. R. T. Mashburn. 2,401,090; May 28.
 Compositions comprising blown terpene products and vinyl polymers and making. M. T. Harvey. 2,409,276; Oct. 15.
 Compositions for killing weeds. F. D. Jones. 2,396,513; Mar. 12.
 Compositions for paper and the like, Coating. C. G. Landes. 2,399,489; Apr. 30.
 Compositions from aqueous and nonaqueous vehicle. Paint. M. T. Schmidt. 2,401,866; June 4.
 Compositions, Mastic. V. E. Watts and P. E. McCoy. 2,399,411; Apr. 30.
 Compositions of matter. E. W. Bousquet. 2,405,559; Aug. 13.
 Compositions of matter. F. D. Jones. 2,394,915; Feb. 12.
 Compositions of matter. W. C. McCrone. 2,393,999; Feb. 5.
 Compositions of matter, and making the same. Vitreous and vitrifiable. H. R. Feichter. 2,413,441; Dec. 31.
 Compositions of matter and methods and steps of making and using the same. M. T. Harvey. 2,392,589; Jan. 8.
 Compositions of matter and steps of making and using the same. M. T. Harvey. 2,412,264; Dec. 10.
 Composition panel board. W. F. Hayes. 2,405,423; Aug. 6.
 Composition, Plastic solvent. R. F. Buller. 2,401,904; June 11.
 Composition, Sound recording. H. P. Billings. 2,401,900; June 11.
 Compositions, Plasticized polyvinyl. E. S. Yates and R. F. Gager. 2,399,456; Apr. 30.
 Compositions, Polyvinyl alcohol. H. M. Sonnichsen and R. F. Gager. 2,399,401; Apr. 30.
 Compound to improve the durability of leather and leather goods. A. Fischer. 2,412,740; Dec. 3.
 Compounds. J. G. Lichty. 2,405,894; Aug. 13.
 Compounds and making same, Organic. M. H. Daskals and E. K. Fields. 2,400,876; May 28.
 Compounds, Highly used. W. J. Poppel. 2,408,095; Sept. 24.
 Compounds of albumen and cholesterol. M. Oberdörffer, A. Bittenandt, J. Schmidt-Thomé, and Hans Maier-Hüser. 2,392,058; Jan. 1.
 Compounds of the cyclopentanopolhydrophenanthrene series and making same. T. Reichstein. 2,403,683; July 9.
 Compounds of the imidazolidone series and making them. R. Duschinsky. 2,397,250; Mar. 26.
 Compressed air coolant circulatory pump. J. De W. Gray and W. S. Stone. 2,394,169; Feb. 5.
 Compressed air-driven drill. R. W. Mann and R. C. Wiles. 2,407,613; Sept. 10.
 Compressor. Air. W. J. Rouleau. 2,404,660; July 23.
 Compressor, Centrifugal. F. Whitte. 2,404,609; July 23.
 Compressing apparatus, Fluid. V. V. Blasutta. 2,411,020; Nov. 12.
 Compressing apparatus, Intercooled. R. C. Allen, C. E. Kenney, and W. F. Wilson. 2,396,484; Mar. 12.
 Compression and oil scraping rig. Combination. R. J. Marvin and A. Wiebie. 2,410,177; Oct. 29.
 Compression-wave radiator and receiver, Prismatic and high power. W. P. Mason. 2,404,391; July 23.
 Compression wave system, Multiplex. W. P. Mason. 2,408,436; Oct. 1.
 Compression waves, Sending and receiving. L. Batchelder. 2,408,028; Sept. 24.
 Compressor. A. E. Biermann. 2,411,707; Nov. 26.
 Compressor. L. C. Hufford and L. R. Gray. 2,391,972; Jan. 1.
 Compressor. P. Maniscalco. 2,403,814; July 9.
 Compressor. P. Maniscalco and P. Maniscalco, Jr. 2,404,079; July 16.
 Compressor. P. Schlumbohm. 2,404,890; July 30.
 Compressor. C. Steenstrup. 2,394,409; Feb. 5.
 Compressor. J. Szydowski. 2,397,060; Mar. 19.
 Compressor, Air. P. L. Crittenden. 2,406,202; Aug. 20.
 Compressor, Air. J. E. Erickson. 2,408,765; Oct. 8.
 Compressor capacity control, Modulating. K. M. Gertels. 2,412,503; Dec. 10.
 Compressor, Centrifugal. R. Birmann. 2,405,284; Aug. 6.
 Compressor, Centrifugal. K. Campbell and J. E. Talbert. 2,399,852; May 7.
 Compressor, Centrifugal. W. S. Thompson. 2,392,200; Jan. 1.
 Compressor, Centrifugal. W. S. Thompson. 2,399,072; Apr. 23.
 Compressor, Centrifugal type. J. S. Alford. 2,409,837; Oct. 22.
 Compressor, Centrifugal type. E. L. Coe. 2,409,836; Oct. 22.
 Compressor, Circulating. A. M. Porter. 2,399,571; Apr. 30.
 Compressor entry vanes, Centrifugal. K. A. Browne. 2,398,203; Apr. 9.
 Compressor, Fluid. W. H. Leinweber. 2,406,229; Aug. 20.
 Compressor for tying machines, Package. A. G. Suelflow. 2,402,692; June 25.
 Compressor unit. J. M. Long. 2,413,636; Dec. 31.
 Compressor, Unitary engine. L. E. Fowler. 2,394,904; Feb. 12.
 Compressor units, Making motor. F. I. Rataleczak. 2,405,904; Aug. 13.
 Compressor, Variable ratio. R. Birmann. 2,405,282; Aug. 6.
 Compressors, Regulation of rotary. T. Clark and L. R. Fellows. 2,398,619; Apr. 16.
 Computations, Machine for statistical. M. Rosenberg and M. Cohen. 2,401,021; May 28.
 Computer. N. W. Feldman. 2,410,437; Nov. 5.
 Computer, Azimuth. J. Hilsenrath and S. Globe. 2,408,776; Oct. 8.
 Computer, Gunfire control. R. E. Crooke. 2,403,504; July 9.
 Computer, Gunfire control. G. A. Crowther. 2,403,506; July 9.
 Computer, Gunfire control. W. H. Newell. 2,403,543-4; July 9.
 Computer, Navigation. A. A. Baldochi. 2,394,226; Feb. 5.
 Computer, Navigation. A. M. Wolfe. 2,408,357; Sept. 24.
 Computer of the slide rule type. P. Goudine-Levkovitch. 2,410,210; Oct. 29.
 Computer, Torpedo data. W. H. Newell. 2,403,542; July 9.
 Computing and billing device. H. G. Fishack, L. B. Miller, and J. J. Shively. 2,394,602; Feb. 12.
 Computing apparatus. R. A. Nelson. 2,412,416; Dec. 10.
 Computing apparatus. E. P. Ross. 2,397,811; Apr. 2.
 Computing device. C. G. Cruzan. 2,413,314; Dec. 31.
 Computing instrument, Navigational. H. L. Mitchell. 2,408,571; Oct. 1.
 Computing machine. B. D. Smith. 2,397,166; Mar. 26.
 Computing system. J. A. Rajchman. 2,404,250; July 16.
 Computing system, Electrical. C. A. Lovell, D. B. Parkinson, and B. T. Weber. 2,404,387; July 23.
 Concealed wiring block. J. G. Loy. 2,401,948; June 11.
 Concentricity gauge specimen holder. J. J. Seme. 2,408,689; Oct. 1.
 Concrete articles, Means and method for compressing newly formed. F. L. Fitzpatrick. 2,395,216; Feb. 19.
 Concrete bridge superstructure. W. L. Turner. 2,405,385; Aug. 6.
 Concrete form bracket. J. L. McWilliams. 2,402,337; June 18.
 Concrete, Inserting bolts into. S. M. Dunn. 2,400,878; May 28.
 Concrete member, Precast reinforced. A. Henderson. 2,396,045; Mar. 5.
 Concrete members, Precast. A. Henderson. 2,413,562; Dec. 31.
 Concrete mixer. G. Gaertner. 2,397,851; Apr. 2.
 Concrete mixer. A. McMillan. 2,395,571; Feb. 26.
 Concrete placement apparatus. C. Jackson. 2,413,632; Dec. 31.
 Concrete sleepers, Apparatus and method for the production of prestressed. R. S. V. Barber and D. R. Lester. 2,394,228; Feb. 5.
 Concrete surfacing machine. G. E. Troxell. 2,400,321; May 14.
 Concrete units, Production of prestressed reinforced. R. S. V. Barber. 2,394,227; Feb. 5.

- Condensation process. G. W. Seymour and V. S. Salvin. 2,408,127; Sept. 24.
- Condensation products and preparing and using same. E. Lieber. 2,410,885; Nov. 12.
- Condensation product and preparing and using the same. E. Lieber. 2,412,589; Dec. 17.
- Condensation product and preparing and using the same. E. Lieber and M. E. Thorne. 2,411,579; Nov. 26.
- Condensation products and preparing same. E. Lieber and M. E. Thorne. 2,411,578; Nov. 26.
- Condensation products and producing the same. H. J. Luth and K. J. Gregory. 2,395,676; Feb. 26.
- Condensation products of hydroxy carboxylic acids. E. M. Filachione and C. H. Fisher. 2,396,994; Mar. 19.
- Condensation products. Producing. W. Hentrich and E. Schirm. 2,401,155; May 28.
- Condensation products. Producing. Nitrogenous. W. Hentrich and E. Schirm. 2,394,306; Feb. 5.
- Condensation products. Rubber-phenol aldehyde. F. J. W. Popham. 2,392,691; Jan. 8.
- Condensation pump. M. E. Johnson. 2,395,552; Feb. 26.
- Condenser. See—
- Counter-current condenser. Tape condenser.
- Electrical condenser. Variable condenser.
- Surface condenser.
- Condenser, Countercurrent. H. E. Byer. 2,408,290; Sept. 24.
- Condenser crystal and making same. Coaxial. F. L. Salisbury. 2,406,405; Aug. 27.
- Condenser for operation of cathode-ray tubes and the like. Safety filter. E. G. Gage. 2,400,750; May 21.
- Condenser heated compartment. C. M. E. Hoffman. 2,412,774; Dec. 17.
- Condenser-resistor. L. Goldstein and F. Perrin. 2,395,623; Feb. 26.
- Condensers, Impregnating. B. Springer. 2,410,756; Nov. 5.
- Condensers, Manufacture of electrical. R. A. Grouse and J. Rogers. 2,399,798; May 7.
- Condensers on other articles on support plates, Mounting electrical. W. C. Handley, J. C. Quayle, and E. G. McLeod. 2,395,328; Feb. 19.
- Condensing motor. F. A. Bartholomew. 2,395,984; Mar. 5.
- Condiment holder. G. D. Fleak. 2,409,118; Oct. 8.
- Condition control. E. D. Lijla. 2,409,136; Oct. 8.
- Condition control system. E. H. Horstkotte. 2,394,061; Feb. 6.
- Condition responsive control system and apparatus. J. E. Eaton. 2,393,599; Jan. 29.
- Conditioner, Cigarette. W. Reid. 2,408,481; Oct. 1.
- Conditioning boiler. Water. L. O. Gunderson. 2,391,895; Jan. 1.
- Conditioning the atmosphere in subterranean excavations. J. P. Rees. 2,409,385; Jan. 15.
- Conductor, Air-space insulated. H. D. Isenberg. 2,395,872; Mar. 5.
- Conductor, Automatic air. R. M. Clayton, Sr. 2,395,848; Mar. 5.
- Conductor construction and making the same, Shielded electrical. G. L. McCutchan. 2,402,503-4; June 18.
- Conductor, Insulated electrical. L. A. Brooks and M. Nazzewski. 2,406,319; Aug. 27.
- Conductors of the second class, Activating. R. E. Stark. 2,398,866; Apr. 23.
- Conductor unit, Electricity. J. F. O'Brien. 2,408,442; Oct. 1.
- Conductors, Sealing lead-in. L. C. Goodale. 2,410,061; Oct. 29.
- Conductors, Testing insulated. R. L. Wright, II. 2,401,398; June 4.
- Conductors to insulators, Fastening. D. T. Shaw. 2,411,007; Nov. 12.
- Conduit and coupling for same, Flexible. I. Cowles. 2,410,600; Nov. 5.
- Conduit and making the same, Hollow. J. A. Stadfield. 2,394,818; Feb. 12.
- Conduit bender. J. H. Abramson and E. C. Swanson. 2,405,931; Aug. 20.
- Conduit connector. C. O. Moll. 2,399,933; May 7.
- Conduit coupling. J. A. Hoffman, S. R. Oldham, and W. J. Jacobsson. 2,412,685; Dec. 17.
- Conduit lines, Combination sealing and drain fitting for. R. H. Olley. 2,402,840; June 25.
- Conduit, Self-insulated. C. G. Scharwath. 2,410,308; Oct. 29.
- Conduit supporting block. H. R. Ellinwood. 2,396,836; Mar. 19.
- Conduit supporting block. A. Robertson. 2,404,531; July 23.
- Conduit supporting clip. H. R. Ellinwood. 2,393,033; Jan. 15.
- Conduits, Constant volume connection for fluid. O. H. Griswold. 2,402,157; June 18.
- Confectionary product. F. A. Bodenheim. 2,399,195; Apr. 30.
- Conjoint polymerization of vinyl chloride with fumaric esters. H. W. Arnold. 2,404,780; July 30.
- Connecting and supporting unit, Structural. P. Kratzmaier. 2,406,501; Aug. 27.
- Connecting device and making the same. E. V. Soreny. 2,394,020; Feb. 6.
- Connecting means. G. J. Soderberg. 2,400,848; May 21.
- Connecting means and radio shielding means therefor. Electrical. J. R. Frel. 2,405,881; Aug. 13.
- Connecting means, Pavement slab. F. W. Abel. 2,408,133; Sept. 24.
- Connecting unit, Electrical. J. B. Miller. 2,407,894; Sept. 17.
- Connection device. G. J. Sargent. 2,397,694; Apr. 2.
- Connection, Electrical. V. E. Carlson and T. C. Freedom. 2,405,111; Aug. 6.
- Connection especially for spark plugs, Radio-shielded. E. A. Robertson. 2,399,390; Apr. 30.
- Connection for aircraft turrets, Swivel. D. Morrow and L. Baldo. 2,395,899; Mar. 5.
- Connection for electrical apparatus, Lead. K. H. Ballard. 2,413,539; Dec. 31.
- Connection, Sucker rod. J. H. McFarlane. 2,400,941; May 28.
- Connections for electrical apparatus, Multiple. E. S. McLarn. 2,399,753; May 7.
- Connector. See—
- Air line connector.
- Cable connector.
- Combined gauge hole cover and vapor line connector.
- Conduit connector.
- Ductile connector.
- Electric connector.
- Electric swivel connector.
- Electrical connector.
- Flexible strip electrical connector.
- Line connector.
- Multicircuit connector.
- Plug and socket connector.
- Plug connector.
- Quick-detachable audio frequency connector.
- Connector assembly, thermocouple lead. C. W. Muller. 2,410,098; Oct. 29.
- Connector element, Rigging. J. A. Jensen. 2,406,607; Aug. 27.
- Connector for chemical and laboratory tubing. L. J. Schmid. 2,397,438; Mar. 26.
- Connector for electrical apparatus, Separable. A. D. Forbes, M. G. Leonard, and J. J. Halloran. 2,397,097; Mar. 26.
- Connector for telephone instruments, Cord. E. S. McLarn. 2,413,030; Dec. 24.
- Connector for timbers or the like. M. Miller. 2,396,717; Mar. 19.
- Connector for windshield wiper arms. I. Nesson. 2,404,523; July 23.
- Consistency regulator. H. G. Cram. 2,392,026; Jan. 1.
- Constant tension device. H. J. Findley. 2,395,261; Feb. 19.
- Constant velocity joint. G. E. Dunn. 2,395,962; Mar. 5.
- Constant velocity joint. R. B. Ransom. 2,399,293; Apr. 30.
- Constant voltage field emission arc discharge device. C. M. Slack, C. E. Dawley, and A. Pfeiffer. 2,408,004; Sept. 24.
- Constant width synchronized pulse generator. E. Labin and D. D. Gries. 2,408,078; Sept. 24.
- Constructors from sintered hard metals, Separating hard. E. M. Trent. 2,407,752; Sept. 17.
- Constituents of air, Separating. C. C. Van Nuys. 2,408,710; Oct. 1.
- Constituents of air, Separation of the. C. C. Van Nuys. 2,409,459; Oct. 15.
- Constituents of scrap bi-metal, Recovering the. R. A. Wilkins and E. S. Bunn. 2,403,419; July 2.
- Constituents of tall oil, Separating. T. Hasselstrom. 2,396,651; Mar. 19.
- Construction and assembly of electron discharge tube. J. E. O. Harrison. 2,407,742; Sept. 17.
- Construction, Armature. E. J. Allen. 2,400,902; May 28.
- Construction, Bearing. A. Y. Dodge. 2,401,557; June 4.
- Construction, Building. R. Fellom. 2,401,062; May 28.
- Construction, Camera. C. W. Crumrine. 2,402,149; June 18.
- Construction, Car. G. E. Dath. 2,399,209-10; Apr. 30.
- Construction, Cleaner. D. L. Bennett. 2,397,525; Apr. 2.
- Construction, Commutator cap. C. A. Atwell and N. H. Wilby. 2,400,968; May 28.
- Construction, Cutoff. W. O. Schultz and A. G. Steinmayer. 2,399,747; Apr. 23.
- Construction, Fastener. R. W. Allen. 2,395,650; Feb. 26.
- Construction for articles of furniture, Resilient. A. Celowitz. 2,398,789; Apr. 23.
- Construction for boats or ships, Keel. A. E. Luders. 2,391,960; Jan. 1.
- Construction for electric storage batteries. G. R. Godber. 2,407,826; Sept. 17.
- Construction for rail car underframes, Bolster. A. G. Dean. 2,405,117; Aug. 6.
- Construction for sent structures, Frame. W. H. Neely. 2,399,563; Apr. 30.
- Construction for selector cocks, Yoke. J. N. Van Epps. 2,406,483; Aug. 27.
- Construction for solenoids, Shade pole. H. G. Wasserlein. 2,410,320; Oct. 29.

- Construction for turbines, Diaphragm. V. Cronstedt. 2,410,810; Nov. 12.
- Construction for turbines or the like, Bearing. R. Birman. 2,403,489; July 9.
- Construction, Furnace and like building. H. Jones. 2,400,827; May 21.
- Construction, Fuse. G. W. Wiard. 2,398,169; Apr. 9.
- Construction, Gate valve. T. R. Smith. 2,401,877; June 4.
- Construction, Independently sprung axle. R. P. Lewis. 2,402,562; June 25.
- Construction, Model airplane. W. H. Mathée, Jr., and W. T. Lewis. 2,399,130; Apr. 23.
- Construction, Pedal. C. A. Persons. 2,399,888; May 7.
- Construction, Shoe. T. M. Manahan. 2,401,089; May 28.
- Construction, Switch. N. G. Polgoh. 2,394,804; Feb. 12.
- Construction, Switch. W. O. Schultz and A. G. Steinhmayer. 2,401,970; June 11.
- Construction, Window. S. F. Cox. 2,401,552; June 4.
- Constructional material. H. Dreyfus, W. Walker, and J. H. Rooney. 2,400,078; May 14.
- Contact conversion reaction. J. G. Alther. 2,394,651; Feb. 12.
- Contact device, Fire alarm. D. Padilla. 2,411,752; Nov. 26.
- Contact device, Sealed. C. E. Pollard, Jr. 2,406,036; Aug. 20.
- Contact device, Sealed reed. J. B. Little. 2,406,021; Aug. 20.
- Contact element. R. H. Savage. 2,411,060; Nov. 12.
- Contact for electrical devices, Wiper. J. T. Butterfield, H. M. Knapp, and B. F. Runyon. 2,407,650; Sept. 17.
- Contact operation. J. T. L. Brown. 2,397,123; Mar. 26.
- Contact printing frame. A. L. Lee. 2,391,987; Jan. 1.
- Contact structure. R. E. Friedrich. 2,406,327; Aug. 13.
- Contacting apparatus. F. L. Melville. 2,405,594; Aug. 13.
- Contacting. F. C. Iglehart. 2,397,113; Mar. 26.
- Contacting, Electrically actuated. W. G. Young and F. C. Iglehart. 2,397,228; Mar. 26.
- Contacting for tuners. G. C. Armstrong. 2,408,185; Sept. 24.
- Contactors, Double armature. L. Pierce and R. B. Immel. 2,399,380; Apr. 30.
- Contactors, Line shorting. F. L. Kradel and R. Paulin. 2,400,938; May 23.
- Contactors, Plugboard. C. D. Lake. 2,401,430; June 4.
- Container: See—
- Aerial cargo landing container. Key container.
- Auxiliary gasoline container. Liquid container.
- Beverage container. Lock top container.
- Cigarette container. Metal container.
- Coated metal container. Metal framed wood container.
- Collapsible container. Multiple chamber fluid container.
- Combined package and serving container. Make-up and sponge container.
- Controlled ventilated container. Match and cigarette container.
- Cosmetic container. Metal stacking container.
- Cushioned shipping container. Nonrefillable container.
- Diaper container. Pigeon container.
- Dispenser container. Polygonal separable section container.
- Dispensing container. Record container.
- Double walled container. Refrigerating container.
- First-aid container. Reusable collapsible liquid carrying container.
- Flower and plant container. Sectional container.
- Fuel container. Sectional Thermos food container.
- Grease container. Shipping container.
- Hinged cover container. Soap container.
- Indefatigable protective container. Storage battery container.
- Ink container.
- Container. B. Bogoslawsky. 2,402,943; July 2.
- Container. B. Bogoslawsky. 2,405,682; Aug. 13.
- Container. H. E. Braloff. 2,402,944; July 2.
- Container. T. S. Carswell. 2,409,252; Oct. 15.
- Container. H. F. Christner, F. A. Lobley, and C. F. Miles. 2,410,928; Nov. 12.
- Container. C. D. Fallert. 2,393,356; Jan. 22.
- Container. P. C. Gaylord. 2,405,823; Aug. 13.
- Container. P. M. Gillilan. 2,392,848; Jan. 15.
- Container. R. Guyer. 2,392,042; Jan. 1.
- Container. T. Hansen. 2,412,332; Dec. 10.
- Container. A. Merkle. 2,399,241; Apr. 30.
- Container. C. E. Nyberg. 2,409,692; Oct. 22.
- Container. R. O. Pickin. 2,403,299; July 2.
- Container. W. M. Roody, Jr. 2,396,346; Mar. 12.
- Container. H. J. Sattler. 2,400,716; May 21.
- Container. H. Sebell. 2,392,507; Jan. 8.
- Container. H. Sebell. 2,408,568; Aug. 27.
- Container. T. R. Smith. 2,404,409; July 23.
- Container. B. M. Williams. 2,395,363-4; Feb. 19.
- Container. B. M. Williams. 2,407,463; Sept. 10.
- Container. E. Yellin. 2,404,558; July 23.
- Container and ash receptacle, Cigarette. F. C. Card. 2,396,827; Mar. 19.
- Container and bracket assembly. D. Mapes. 2,402,175; June 18.
- Container and closure. R. W. Hoag. 2,406,331; Aug. 27.
- Container and closure therefor. W. S. Gaines. 2,404,777; July 30.
- Container and closure therefor. J. D. Hill. 2,404,067; July 16.
- Container and display box. W. T. Wayne. 2,410,615; Nov. 5.
- Container and making it. V. A. Rayburn. 2,410,681; Nov. 5.
- Container and making same. J. D. Gerahty. 2,406,678; Aug. 16.
- Container and making same. F. Gilbert, Jr. 2,407,639; Sept. 17.
- Container and making same, Battery. J. C. Duddy. 2,404,126; July 16.
- Container and making same, Fuel. S. Rethorst. 2,406,903; Sept. 3.
- Container and making the same, Consumer-type. L. C. Brooks. 2,398,404; Apr. 16.
- Container and support. M. M. Tierney. 2,395,592; Feb. 26.
- Container and valve therefor, Portable. D. Mapes. 2,398,434; Apr. 16.
- Container and vender, Capsule. H. C. Trimble. 2,404,009; July 16.
- Container bodies, Making fiber. J. F. Peters. 2,403,995; July 16.
- Container cap. L. L. Lauve. 2,408,465; Oct. 1.
- Container-drawer stop and aligning means. P. Zalkind. 2,404,701; Nov. 12.
- Container filling device, Automatic. T. A. St. Clair, C. F. Sievers, and A. R. Olson. 2,406,263; Aug. 20.
- Container for cigarette packages or the like. M. Vogel. 2,411,946; Dec. 3.
- Container for explosive shells. H. E. Krasner and B. Klausner. 2,407,500; Sept. 10.
- Container for frozen foods. R. Guyer and R. J. Hennessey. 2,405,499; Aug. 6.
- Container for liquefied gases and the like, Insulated. L. I. Dana. 2,396,459; Mar. 12.
- Container for pastes, Collapsible. G. S. Hills. 2,413,323; Dec. 31.
- Container for pencil leads and the like. G. L. Beckstrom. 2,408,902; Oct. 8.
- Container for roll paper, Dispensing. E. Smith. 2,405,459; Aug. 6.
- Container forming material, Self-healing. M. Sanz. 2,411,116; Nov. 12.
- Container having reinforced ends and integral hinged closure, Fiberglass. W. C. Glascoff, Jr., and C. W. Evert. 2,408,673; Oct. 22.
- Container holder. E. Menke. 2,394,323; Feb. 5.
- Container, materials, and parts therefor. P. Zalkind. 2,406,123; Aug. 20.
- Container or conduit. J. H. Schreiber. 2,402,781; June 31.
- Container or shipping case having a removable cover to be locked and sealed. J. Burger. 2,408,731; Oct. 8.
- Container stock or the like. N. P. Goss and E. E. Bowen. 2,393,528; Jan. 22.
- Container such as those of electric accumulators, Liquid. B. L. Davies. 2,406,592; Aug. 27.
- Container with automatically locking slip cover, Multisided shipping. S. A. Blackman. 2,412,798; Dec. 17.
- Container with nesting feature, Adhesive tape. W. F. Punte. 2,406,900; Sept. 3.
- Container with resinous foam, Filling. K. E. Stober. 2,409,010; Oct. 22.
- Containers and closures therefor, Making sealed fiber. A. G. Hatch. 2,413,449; Dec. 31.
- Containers, Assembling. W. G. Martin. 2,413,639; Dec. 31.
- Containers, Carrying. W. J. Newmah. 2,397,880; Apr. 2.
- Containers, Closing sheet metal. H. Schrader. 2,406,911; Sept. 3.
- Containers, Closure cap or stopper for. A. C. Vivian. 2,400,614; May 21.
- Containers impregnated with wax, Finishing. W. N. King. 2,413,144; Dec. 24.
- Containers, Joint for collapsible. P. Zalkind. 2,399,590; Apr. 30.
- Containers, Lining. W. B. Ford. 2,395,731; Feb. 26.
- Containers made of paper and making the same. M. E. Gazette. 2,406,758; Sept. 3.
- Containers, Making. J. G. O'Neill and L. G. Zesbaugh. 2,395,754; Feb. 26.
- Containers, Making. G. C. Stuart and A. B. Wilson. 2,393,347; Jan. 22.
- Containers, Manufacture of. H. F. Waters. 2,409,460; Oct. 15.
- Containers, Measuring and dispensing attachment for. B. P. Henin. 2,404,496; July 23.
- Containers, Producing collapsible tin coated metal tube. O. J. Bruun. 2,411,024; Nov. 12.
- Containers, Sealing. A. G. Osborn. 2,409,789; Oct. 22.
- Containers, Testing the airtightness of closed. R. J. O'Connell, I. Cohen, and C. Rosenblum. 2,401,368; June 4.
- Continuous disk filter. J. T. Dickinson and A. R. Moorman. 2,406,065; Aug. 20.
- Continuous film processing apparatus. V. E. Pratt and D. E. Reed. 2,401,185; May 28.

- Continuous filter. E. L. Oliver, P. J. McGuire, J. E. Slaughter, and A. W. Vettel. 2,395,499; Feb. 26.
- Continuous furnace. D. J. Holleran and J. J. Cerny. 2,391,970; Jan. 1.
- Continuous process for effecting catalytic reactions. H. V. Atwell. 2,409,235; Oct. 15.
- Continuous stir mixing apparatus. C. Cone. 2,413,216; Dec. 24.
- Contouring machine. D. R. Trinkle. 2,404,149; July 16.
- Contraturning propeller mechanism. W. S. Burgess. 2,393,234; Jan. 22.
- Control. Amplifier gain. J. R. Ford. 2,397,850; Apr. 2.
- Control and ignition system for fuel burners. C. K. Strobel. 2,406,925; Sept. 3.
- Control and indication apparatus. Electrical. W. P. Place. 2,400,259; May 14.
- Control and indication system, Selective. A. B. Miller. 2,400,257; May 14.
- Control and indication system, Selective. A. B. Miller. 2,400,260; May 14.
- Control and indication system, Selective. W. P. Place. 2,400,256; May 14.
- Control and indication system, Selective. W. P. Place and A. B. Miller. 2,409,720; Oct. 22.
- Control and trigger circuit for telephone systems and the like. F. A. Morris. 2,409,145; Oct. 8.
- Control apparatus. C. A. Blakeslee. 2,405,774; Aug. 13.
- Control apparatus. M. E. Chandler. 2,394,664; Feb. 12.
- Control apparatus. T. A. Cohen. 2,401,568; Nov. 5.
- Control apparatus. L. L. Cunningham. 2,401,861; June 11.
- Control apparatus. H. F. Elliott. 2,411,618-19; Nov. 26.
- Control apparatus. W. H. Gille. 2,403,917; July 16.
- Control apparatus. H. E. Hartig. 2,412,263; Dec. 10.
- Control apparatus. C. M. Hines. 2,406,220; Aug. 20.
- Control apparatus. A. G. Larson. 2,398,903; Apr. 23.
- Control apparatus. H. C. Lockwood. 2,392,166; Jan. 1.
- Control apparatus. E. C. May and G. T. McClure. 2,404,512; July 23.
- Control apparatus. G. T. McClure. 2,396,432; Mar. 12.
- Control apparatus. L. M. Persons. 2,404,455; July 23.
- Control apparatus. A. W. Pett. 2,399,938; May 7.
- Control apparatus. E. K. Read. 2,412,934; Dec. 17.
- Control apparatus. H. M. Schmitt. 2,404,891; July 30.
- Control apparatus. R. R. Stevens. 2,400,442; May 14.
- Control apparatus. R. R. Stevens. 2,404,545; July 23.
- Control apparatus. R. R. Stevens. 2,406,264; Aug. 20.
- Control apparatus. R. R. Stevens. 2,413,990; Dec. 31.
- Control apparatus. W. P. Willis. 2,398,341; Apr. 9.
- Control apparatus, Automatic burner. T. A. Cohen. 2,404,903; July 30.
- Control apparatus, Automatic heat. W. H. Huenergardt. 2,402,163; June 18.
- Control apparatus, Burner. L. L. Cunningham. 2,408,047; Sept. 24.
- Control apparatus, Current. K. A. Lang. 2,405,837; Aug. 13.
- Control apparatus, Electric. H. F. Elliott. 2,411,617; Nov. 26.
- Control apparatus, Electromagnetic. C. I. Hall. 2,404,227; July 16.
- Control apparatus, Fire. F. A. Woodworth. 2,402,704; June 25.
- Control apparatus, Fluid. C. R. Sacchini. 2,440,924; July 30.
- Control apparatus for alternating current motors. T. J. Mesh. 2,411,051; Nov. 12.
- Control apparatus for gaseous fuel burners, Safety. S. G. Eskin. 2,398,215; Apr. 9.
- Control apparatus for machine tools, Remote. R. A. Schafer and R. B. Rodal. 2,408,957; Oct. 8.
- Control apparatus for testing machines. R. J. Demartini and H. H. Leigh. 2,411,451; Nov. 19.
- Control apparatus for tuning radio receivers. A. W. Flensler. 2,413,515; Dec. 31.
- Control apparatus for vulcanizing presses. L. E. Soderquist. 2,392,619; Jan. 8.
- Control apparatus, Remote. A. P. Davis and G. Agins. 2,406,323; Aug. 27.
- Control apparatus, Remote. R. Hadekel. 2,397,937; Apr. 9.
- Control apparatus, Supercharger. A. C. Staley. 2,404,323-4; July 16.
- Control arrangement for coupled tuned circuits, Feed back. E. Green. 2,407,074; Sept. 3.
- Control arrangement, Lateral. F. H. Clauser and C. C. Wood. 2,407,401; Sept. 10.
- Control, Automatic gain. J. A. Buckbee. 2,401,458; June 4.
- Control cable regulator. C. E. Cushman. 2,399,793; May 7.
- Control circuit. H. J. Biechel. 2,411,358; Nov. 10.
- Control circuit. J. R. Mahoney and H. J. Biechel. 2,404,971; July 30.
- Control circuit. W. J. Poch. 2,402,444; June 18.
- Control circuit. F. J. Somers. 2,402,096; June 11.
- Control circuit for radioteletype. Gain. R. L. Hollingsworth. 2,404,712; July 23.
- Control device. C. E. Bazley. 2,398,994; Apr. 23.
- Control device. E. J. Dillman. 2,398,086; Apr. 9.
- Control device. M. Hilmer, G. J. Signarovitz, and T. N. Adlam. 2,412,218; Dec. 10.
- Control device. C. S. Kelley. 2,411,732; Nov. 26.
- Control device. C. S. Kelley. 2,411,748; Nov. 26.
- Control device. C. S. Kelley. 2,413,356; Dec. 31.
- Control device. C. G. Kronmiller. 2,394,920; Feb. 12.
- Control device. J. H. March. 2,413,031; Dec. 24.
- Control device. C. A. Nelson. 2,411,747; Nov. 26.
- Control device. H. L. Newell. 2,403,824; July 9.
- Control device. A. B. Newton. 2,394,714; Feb. 12.
- Control device. W. A. Ray. 2,409,387; Oct. 15.
- Control device. H. T. Sparrow, D. G. Taylor, and G. H. Wirts. 2,394,213; Feb. 5.
- Control device. M. N. Yardeny. 2,405,628; Aug. 13.
- Control device and circuit. Electrical. R. D. Bean and H. J. Murray. 2,402,722; June 25.
- Control device, Automatic altitude. R. L. Mayrath. 2,405,228; Aug. 6.
- Control device, Buoyancy. M. G. Leonard. 2,412,223; Dec. 10.
- Control device, Differential. D. K. Morrison. 2,407,322; Dec. 10.
- Control device, Electrical remote. B. W. Chapin. 2,400,339; May 14.
- Control device, Flow. G. L. Weller, Jr. 2,401,782; June 11.
- Control device, Fluid. W. T. Graves, Jr., and T. E. Curtis. 2,406,075; Aug. 20.
- Control device, Fluid operable. R. J. Bush. 2,413,287; Dec. 31.
- Control device, Fluid pressure. H. C. Grant, Jr., and W. A. Thompson. 2,404,790; July 30.
- Control device for camera diaphragms, Photoelectric. K. Rath. 2,412,424; Dec. 10.
- Control device for flexible endless belts and the like, Tension. H. C. Thompson. 2,413,265; Dec. 24.
- Control device for hoisting mechanisms. R. M. Nardone. 2,396,158; Aug. 20.
- Control device for storage batteries, Electrolyte level. J. Sandusky. 2,408,178; Sept. 24.
- Control device for vapor discharge. P. Hubacher. 2,395,222; Feb. 19.
- Control device for variable pitch propeller. M. L. Mennesson. 2,407,317; Sept. 10.
- Control device, Fuel injection. B. Boll. 2,398,878; Apr. 23.
- Control device, Gun. J. E. Soenke. 2,408,277; Sept. 24.
- Control device, Motor. R. W. Lavender. 2,407,084; Sept. 3.
- Control device, Pressure actuated. F. H. Hopkins. 2,399,737; May 7.
- Control device, Radiator. W. H. Smith. 2,401,025; May 28.
- Control device, Snap acting. J. R. Campbell. 2,394,747; Feb. 12.
- Control device, Terminate. T. F. Childers. 2,404,722; July 16.
- Control devices, Adjustment means for. A. B. Newton. 2,402,435; June 18.
- Control devices, Shutoff for constant level. L. V. McCarty. 2,401,312; June 4.
- Control, Dust arrester liquid level. A. Nutting. 2,403,545; July 9.
- Control, Electrically operated. N. E. Walker. 2,406,873; Sept. 3.
- Control equipment, Automatic. H. Bany. 2,409,010; Oct. 8.
- Control for agricultural implements, Automatic depth. W. H. Silver. 2,405,334; Aug. 6.
- Control for airplanes, Aerodynamic. E. F. Zap and H. E. Dale. 2,393,444; Jan. 22.
- Control for automobiles. G. T. Bradley. 2,411,500; Nov. 26.
- Control for booster pumps, Automatic pressure. T. R. Dinsmore and J. A. Thompson. 2,395,657; Feb. 26.
- Control for carburetor choke valves, Automatic. F. T. Christian. 2,394,665; Feb. 12.
- Control for cooling towers and, Vibration-responsive. D. B. Dewey. 2,395,995; Mar. 5.
- Control for electric catapults. R. C. and M. F. Jones. 2,412,516; Dec. 10.
- Control for electric discharge device, Starting. T. W. French. 2,394,433; Feb. 5.
- Control for electric discharge devices, Starting. M. A. Townsend. 2,408,493; Oct. 1.
- Control for electric discharge devices, Starting. J. R. Whiteide and M. A. Townsend. 2,398,682; Apr. 16.
- Control for electric heaters operating in unenclosed space. E. N. Lightfoot. 2,396,183; Mar. 5.
- Control for evaporative coolers, Water. A. S. Feinberg. 2,413,138; Dec. 24.
- Control for fluid-driven motors, Fluid. C. W. Mott. 2,399,753; May 7.
- Control for fluid pressure power devices. W. J. Fant, Jr. 2,393,524; Jan. 22.
- Control for friction clutches. R. Stevenson. 2,393,835; Jan. 29.
- Control for gaseous fuel burners, Safety. S. G. Eskin and C. K. Strobel. 2,406,752; Sept. 3.
- Control for grinder machines, Automatic reel reversing. L. Hilmer. 2,396,852; Mar. 19.
- Control for heat exchange units, Temperature. R. J. Stewart. 2,393,941; Jan. 29.

- Control for helicopter rotor or airscrew, Automatic blade pitch. E. S. Jenkins and A. F. Donovan. 2,397,489; Apr. 2.
- Control for hydraulic actuators, Position. J. B. Van Der Werff. 2,404,552; July 23.
- Control for hydraulic presses. E. Cannon. 2,410,712; Nov. 5.
- Control for hydraulic systems, Pressure. C. E. Hofbauer. 2,400,418; May 14.
- Control for internal-combustion engines, Automatic fuel feed. S. J. Bouché. 2,399,459; Apr. 30.
- Control for internal-combustion engines, Supercharging. P. Lebet. 2,403,865; July 9.
- Control for let-off mechanism of looms, Automatic. Y. H. Kurkjian. 2,395,630; Feb. 26.
- Control for liquid refrigerant, Feed. T. E. Carpenter. 2,393,854; Jan. 29.
- Control for motors, Speed. E. R. Morton. 2,394,559; Feb. 12.
- Control for motors, Speed. H. M. Stoller. 2,395,080; Feb. 19.
- Control for oil burners, Fluid. W. S. Landon. 2,404,853; July 30.
- Control for percussive tools, Bit. G. C. Willhide. 2,413,273; Dec. 24.
- Control for photographic enlargers and printers, Contrast. A. Simmon and L. L. Weisglass. 2,399,577; Apr. 30.
- Control for plows, Depth. T. Allen. 2,406,484; Aug. 27.
- Control for pressure cabins. B. E. Del Mar. 2,407,258; Nov. 10.
- Control for primary and secondary fuels, Pilot. H. Ziebolz. 2,395,384; Feb. 19.
- Control for pulverizer mills, System of. G. R. Anderson. 2,404,937; July 30.
- Control for riveting hammers, Bucking bar. E. W. Stevens. 2,411,561; Nov. 26.
- Control for spigots, etc., Water. L. W. Ferrell. 2,412,037; Dec. 3.
- Control for stanchions for dairy cattle barns, Electrical. C. M. Collins. 2,402,239; June 18.
- Control for supercharged engines, System of. C. H. Jorgensen and E. M. Clayton. 2,405,309; Aug. 6.
- Control for vehicle brakes. C. L. Ekergsgren. 2,393,031; Jan. 15.
- Control for waste heat boilers, Automatic. F. Saco, Jr., and W. R. Williamson. 2,395,583; Feb. 26.
- Control, Governor. E. Martin. 2,398,713; Apr. 16.
- Control handle. C. Arcularius. 2,397,828; Apr. 2.
- Control in an electromechanical device, Moisture. L. G. Bewick. 2,404,736; July 30.
- Control in signaling systems, Transmission. A. C. Dickleson. 2,407,259; Sept. 10.
- Control instrument. F. W. Side. 2,413,534; Dec. 31.
- Control instrument, Summer-winter. G. I. Holmes. 2,403,798; July 9.
- Control inverter change-over system. M. K. Parkhurst. 2,410,678; Nov. 5.
- Control, Machine tool. W. O. Forman. 2,408,815; May 21.
- Control, Machine-tool. C. Johnson. 2,399,806; May 7.
- Control means. A. E. Stafford. 2,393,201; Jan. 15.
- Control means, Burner. W. S. Landon. 2,406,228; Aug. 20.
- Control means for aircraft. A. M. King. 2,398,710; Apr. 16.
- Control means for aircraft, Combined manual and automatic. B. G. Horstmann. 2,396,951; Mar. 19.
- Control means for antifriction bearings. A. K. Selnes. 2,400,374; May 14.
- Control means for gear-speed transmissions. G. T. Randall. 2,402,791; Sept. 10.
- Control means for helicopters. R. R. Hays. 2,413,625; Dec. 31.
- Control means for liquid supply systems. H. B. Holt-house. 2,406,604; Aug. 27.
- Control means for operating at a distance the flying controls of aircraft. E. Dodson. 2,395,728; Feb. 26.
- Control means for sustaining rotors, Pitch. S. P. Nemeth. 2,404,522; July 23.
- Control means for tractor-connected implements. R. D. Acton. 2,410,918; Nov. 12.
- Control means, Generator. O. C. Walley. 2,399,409; Apr. 30.
- Control mechanism. E. C. Burdick. 2,410,335; Oct. 29.
- Control mechanism. R. Chilton and D. G. MacCulloch. 2,410,631; Nov. 5.
- Control mechanism. C. H. Dederick. 2,413,137; Dec. 24.
- Control mechanism. G. V. Fowler. 2,400,810; Feb. 21.
- Control mechanism. J. N. Good. 2,395,180; Feb. 19.
- Control mechanism. S. G. Green, W. H. D'Ardenne, W. J. Meinel, and W. De Vore. 2,404,958; July 30.
- Control mechanism. F. V. Hart, J. F. D. Smith, and L. S. Linderhof, Jr. 2,411,270; Nov. 19.
- Control mechanism. W. M. Hurst. 2,397,607; Apr. 2.
- Control mechanism. S. T. Jeffreys. 2,412,339; Dec. 10.
- Control mechanism. A. G. Larson. 2,402,419; June 18.
- Control mechanism. S. K. Malek. 2,407,170; Sept. 3.
- Control mechanism. J. A. Muller. 2,391,996; Jan. 1.
- Control mechanism. W. H. Newell. 2,400,775; May 21.
- Control mechanism. J. V. Ralston. 2,408,446; Oct. 1.
- Control mechanism. E. Sabalus and C. W. Fischer. 2,411,295; Nov. 19.
- Control mechanism. G. A. Short. 2,402,705; June 25.
- Control mechanism. V. F. Zahodjakin. 2,398,875; Apr. 23.
- Control mechanism, Airplane. A. E. Osborn. 2,413,577; Dec. 31.
- Control mechanism, Fluid pressure. W. A. Eaton. 2,410,097; Nov. 12.
- Control mechanism, Fluid pressure. W. A. Eaton. 2,401,680; June 4.
- Control mechanism, Fluid pressure. W. A. Eaton. 2,404,281; July 16.
- Control mechanism, Fluid pressure. W. A. Eaton. 2,409,842; Oct. 22.
- Control mechanism for automatic washers, Fluid responsive. P. E. Geldhof and L. Ringer. 2,401,476; June 4.
- Control mechanism for dispensing apparatus. H. E. Marshall. 2,405,264; Aug. 6.
- Control mechanism for hoisting equipment. G. Meili. 2,412,412; Dec. 10.
- Control mechanism for hydraulically operated devices. W. S. Saville. 2,411,392; Nov. 19.
- Control mechanism for magnetic recording devices, Safety drive braking and. M. Camras. 2,412,318; Dec. 10.
- Control mechanism for pressure vessels, Automatic. A. G. Blanchard and O. L. Mulloy. 2,395,212; Feb. 19.
- Control mechanism for printing presses, Register. H. Kott. 2,396,706; Mar. 19.
- Control mechanism for refrigerating systems. R. G. Thomas. 2,400,665; May 21.
- Control mechanism for rocket apparatus. R. H. Goddard. 2,397,657; Apr. 2.
- Control mechanism for rocket apparatus. R. H. Goddard. 2,397,659; Apr. 2.
- Control mechanism for rotors of rotary wing aircraft, Pitch. D. W. Main. 2,410,545; Nov. 5.
- Control mechanism for warp drawing in machines, Pattern. R. P. Drake. 2,400,342; May 14.
- Control mechanism, Fuel. M. E. Chandler. 2,410,773; Apr. 9.
- Control mechanism, Fuel. G. E. Townsend. 2,398,199; Apr. 9.
- Control mechanism, Hammer. D. J. Patterson. 2,405,901; Aug. 13.
- Control mechanism, Interval. E. L. Kent. 2,409,941; Oct. 22.
- Control mechanism, Pitch. G. F. Drake. 2,413,439; Dec. 31.
- Control mechanism, Printing press. C. R. Kaddeland. 2,392,321; Jan. 8.
- Control mechanism, Remote. W. A. Black. 2,403,490; July 9.
- Control mechanism, Seaisitive. H. Ernst. 2,404,127; July 16.
- Control mechanism, Sight. W. H. Newell. 2,405,047; July 30.
- Control mechanism, Steam turbine. F. L. Dornbrook. 2,409,024; Oct. 8.
- Control mechanism, Throttle and starter. D. Collins. 2,395,542; Apr. 30.
- Control network, Transmission. A. Alford. 2,405,174; Aug. 6.
- Control of electric devices. B. Loewe. 2,404,644; July 23.
- Control of electrolytic processes. C. P. Croco. 2,404,948; July 30.
- Control of flash welding. J. H. Cooper. 2,404,620; July 23.
- Control of flash welding. C. E. Smith. 2,412,067; Dec. 3.
- Control of objects, Automatic positional. H. L. Hull. W. S. Gorrihl, and W. F. Frost. 2,408,068; Sept. 24.
- Control of pH of water from earth bores. W. Sowers. 2,398,123; Apr. 9.
- Control, Oil burner fuel level. V. Caron. 2,399,099; Apr. 23.
- Control operating mechanism for vehicles, Dual. R. B. Sprague. 2,406,261; Aug. 20.
- Control receiver, Program. W. R. Koch. 2,392,672; Jan. 8.
- Control, Receiver selectivity. M. G. Crosby. 2,397,842; Apr. 2.
- Control scheme. M. A. Pringle. 2,408,226; Sept. 24.
- Control, Ship propulsion. E. I. Pollard. 2,399,381; Apr. 30.
- Control surface, Airplane. J. Noyes, Jr., and M. L. Daggett, Jr. 2,401,790; June 11.
- Control system. E. F. W. Alexanderson. 2,401,450; Apr. 2.
- Control system. E. F. W. Alexanderson. 2,412,027; Dec. 3.
- Control system. G. C. Armstrong. 2,397,116; Mar. 26.
- Control system. A. L. Armentrout. 2,400,967; May 28.
- Control system. E. T. Arters. 2,393,949; Feb. 5.
- Control system. C. A. Atwell. 2,393,011-12; Jan. 15.
- Control system. H. Bany and A. W. Bateman. 2,405,007; July 30.
- Control system. J. L. Bower. 2,407,866; Sept. 17.
- Control system. K. K. Bowman and G. A. Kane. 2,412,864; Dec. 17.
- Control system. A. H. Buckley. 2,410,198; Oct. 29.
- Control system. W. A. Derr. 2,393,025; Jan. 15.
- Control system. W. A. Derr and R. C. Cheek. 2,394,044; Feb. 5.

- Control system. W. A. Derr and R. C. Cheek. 2,394,045; Feb. 5.
- Control system. W. A. Derr and M. E. Reagan. 2,409,840; Oct. 22.
- Control system. F. P. Elliott. 2,402,992; July 2.
- Control system. W. Ernst. 2,408,303; Sept. 24.
- Control system. W. C. Fulton. 2,412,881; Dec. 17.
- Control system. W. C. Hahn. 2,401,421; June 4.
- Control system. W. D. Hall. 2,399,973; May 7.
- Control system. W. R. Harding. 2,411,371; Nov. 19.
- Control system. W. R. Harris. 2,401,154; May 28.
- Control system. J. P. Houck and R. A. Geiselman. 2,399,351; Apr. 23.
- Control system. C. B. Huston. 2,392,151; Jan. 1.
- Control system. J. G. Ivy. 2,412,888; Dec. 17.
- Control system. H. C. Jenks. 2,397,182; Mar. 26.
- Control system. A. W. Kimball. 2,411,377; Nov. 19.
- Control system. G. E. King. 2,408,424; Aug. 27.
- Control system. G. E. King. 2,408,217; Sept. 24.
- Control system. G. E. King. 2,411,162; Nov. 19.
- Control system. G. E. King. 2,411,378; Nov. 19.
- Control system. G. E. King and W. H. Formhals. 2,401,164; May 28.
- Control system. H. C. Krapf. 2,397,185; Mar. 26.
- Control system. H. C. Krapf. 2,400,998; May 28.
- Control system. A. E. Krogh. 2,401,832; June 11.
- Control system. H. H. Leigh and G. E. Walter. 2,404,641; July 23.
- Control system. W. R. Miller. 2,402,177; June 18.
- Control system. T. B. Montgomery and C. O. Wellbaecher. 2,397,152; Mar. 26.
- Control system. J. A. Muller and H. F. MacMillan. 2,395,974; Mar. 26.
- Control system. H. L. Newell. 2,394,399; Feb. 5.
- Control system. W. A. Ray. 2,398,158; Apr. 9.
- Control system. M. E. Reagan. 2,393,060-1; Jan. 15.
- Control system. M. E. Reagan and W. A. Derr. 2,401,017; May 28.
- Control system. D. Santini and E. H. Heath. 2,403,125; July 2.
- Control system. M. G. Sateren. 2,401,024; May 28.
- Control system. M. G. Sateren and W. A. Derr. 2,401,023; May 28.
- Control system. W. Schaeclhlin and E. H. Hornbarger. 2,394,111; Feb. 5.
- Control system. W. L. Shaffer. 2,402,117; June 11.
- Control system. F. D. Snyder. Re. 22,821; Dec. 17.
- Control system. F. D. Snyder. 2,397,214; Mar. 26.
- Control system. E. M. Sorensen. 2,392,416; Jan. 8.
- Control system. R. R. Stevens and E. G. Erson. 2,395,202; Feb. 19.
- Control system. R. M. Strong. 2,409,911; Oct. 22.
- Control system. A. W. Swingle. G. H. Pettibone, and J. E. Dill. 2,411,763; Nov. 26.
- Control system. J. G. Trawick. 2,395,357; Feb. 19.
- Control system. T. L. Weybreck. 2,397,226; Mar. 26.
- Control system. 2,397,311; Mar. 26.
- Control system. W. R. Wickerham. 2,408,461; Oct. 1.
- Control system. R. H. Wright and E. C. Watson. 2,412,933; Dec. 17.
- Control system, Actuator. C. J. Werner. 2,410,695; Nov. 5.
- Control system, Airway traffic. S. N. Wright, O. S. Field, and O. H. Dicke. 2,399,777; May 7.
- Control system and apparatus for lamps. W. A. Pennow. 2,412,907; Dec. 17.
- Control system and device therefor for submarine mines. C. M. Van Atta and R. H. Whitehead. 2,399,523; Apr. 30.
- Control system and machine therefor, Selling. H. H. Stockfeld. 2,398,677; Apr. 16.
- Control system and mechanism for heat processing machines. V. A. Fox. 2,406,822; Sept. 3.
- Control system, Buoyancy. M. G. Leonard. 2,409,135; Oct. 8.
- Control system, Burner. P. Arant. 2,405,807; Aug. 13.
- Control system, Burner. D. J. Peterson. Re. 22,760; May 28.
- Control system, Burner. W. A. Ray. 2,411,230; Nov. 19.
- Control system, Compass. W. P. Lear. 2,403,091; July 2.
- Control system, Electric. H. Boucke. 2,404,160; July 16.
- Control system, Electric. W. N. Gittings and A. W. Bateman. 2,407,072; Sept. 3.
- Control system, Electric. P. Glass. 2,401,651; Nov. 5.
- Control system, Electric. A. Herz. 2,401,156; May 28.
- Control system, Electrical. O. E. Bowls. 2,409,534; Oct. 15.
- Control system, Electrical. P. T. Nims and O. E. Bowls. 2,409,581; Oct. 15.
- Control system, Electrical. H. F. Olson and F. Hester. 2,401,955; June 11.
- Control system, Electrical position. G. Agins. 2,409,970; Oct. 22.
- Control system, Electrohydraulic. C. A. Frische. G. P. Bentley, and P. Halpert. 2,408,770; Oct. 8.
- Control system, Electrohydraulic. C. A. Frische. G. P. Bentley, and P. Halpert. 2,398,421; Apr. 16.
- Control system, Electronic. J. R. Mahoney. 2,406,429; Aug. 27.
- Control system, Electro-optical. G. B. Engelhardt. 2,411,531; Nov. 29.
- Control system, Fire. E. E. Libman. 2,413,573; Dec. 31.
- Control system, Fluid-actuated. D. MacKenzie. 2,407,018; Sept. 3.
- Control system, Follow-up. S. Gudet. 2,406,143; Aug. 20.
- Control system, Follow-up. S. Gudet. 2,407,876; Sept. 17.
- Control system, Follow-up. H. Olken. 2,411,750; Nov. 26.
- Control system for aircraft engines. S. V. Maddox. 2,398,319; Apr. 9.
- Control system for automatic telephone systems, Electrical. G. Deakin. Re. 22,794; Oct. 1.
- Control system for change-speed transmission gearing. C. D. Peterson and A. H. Deibel. 2,399,567; Apr. 30.
- Control system for exhausting ballast from torpedoes. C. C. Whittaker. 2,409,169; Oct. 8.
- Control system for fuel burners. C. K. Strobel. 2,403,411; July 2.
- Control system for fuel burners. Ignition and safety. C. K. Strobel and S. G. Eskin. 2,403,412; July 2.
- Control system for furnaces. C. H. Dicke. 2,393,301; Jan. 22.
- Control system for hydraulic presses. L. A. Camerota. 2,392,644; Jan. 8.
- Control system for machine tools. B. T. Anderson. 2,398,346; Apr. 16.
- Control system for remotely positioned radio apparatus. D. H. Chaney. 2,410,426; Nov. 5.
- Control system for rotative winged aircraft. H. S. Campbell. 2,405,188; Aug. 6.
- Control system for synchronous machines. Field. F. H. Winter. 2,407,121; Sept. 3.
- Control system for torpedoes. C. C. Whittaker and R. C. Jones. 2,405,002; July 30.
- Control system for wave-signal receivers. D. H. Mitchell. 2,409,058; Oct. 8.
- Control system for welding heads. J. Skubrovec. 2,393,662; Jan. 29.
- Control system, Frequency. E. L. Ginzton, W. Palmer, and F. A. Jenks. 2,410,817; Nov. 12.
- Control system, Frequency responsive. J. D. Reld. 2,402,083; June 11.
- Control system, Furnace. H. W. Lindsay. 2,410,384; Oct. 29.
- Control system, Gun. A. P. Davis. 2,406,324; Aug. 27.
- Control system, Gunfire. J. F. Peters. 2,403,117; July 2.
- Control system, Gyrostabilized bomb. J. H. Hammond, Jr. 2,406,293; Aug. 20.
- Control system, Harmonic. A. Bailey. 2,397,830; Apr. 2.
- Control system, Hydraulic. R. Hadekel. 2,397,736; Apr. 2.
- Control system, Heating. H. E. Malone. 2,402,174; June 18.
- Control system, Illumination. H. R. Annis. 2,392,446; Jan. 8.
- Control system, Induction motor. P. W. Robinson. 2,406,255; Aug. 20.
- Control system, Liquid pressure remote. J. K. Simpson. 2,408,003; Sept. 24.
- Control system, Locomotive. R. M. Dilworth. T. O. Lilquist, and D. H. Queney. 2,409,740; Oct. 22.
- Control system, Motor. W. L. Barclay, Jr. 2,400,971; May 28.
- Control system, Motor. J. D. Lewis. 2,406,782; Sept. 3.
- Control system, Motor. E. W. Seeger. 2,399,067; Apr. 23.
- Control system, Multiplex. J. P. Smith. 2,403,561; July 9.
- Control system, Position. J. O. Shepherd. 2,408,485; Oct. 1.
- Control system, Pump pressure. R. R. Curtis. 2,409,975; Oct. 22.
- Control system, Radio operated positioning. H. J. Finlon. 2,398,419; Apr. 16.
- Control system, Remote. T. W. Hays. 2,402,390; June 18.
- Control system, Remote. E. H. Stivender. 2,392,425; Jan. 8.
- Control system, Rudder. W. B. Elmer and R. R. Rimer. 2,403,064; July 2.
- Control system, Signal responsive. W. W. Moe. 2,405,843; Aug. 13.
- Control system, Speed. J. E. Reilly. 2,399,387; Apr. 30.
- Control system, Supercharger. A. J. Larrecq. 2,393,172; Jan. 15.
- Control system, Teletypewriter. A. R. Eggensperger. 2,397,848; Apr. 2.
- Control system, Television. R. D. Compton. 2,407,403; Sept. 10.
- Control system, Television. S. F. Essig. 2,407,485; Sept. 10.
- Control system, Television pickup. G. L. Beers. 2,403,628; July 9.
- Control system, Timing. G. E. Undy. 2,401,780; June 11.
- Control system, Torpedo depth. S. T. Bussey. 2,397,946; Apr. 9.
- Control system, Turret. M. A. Edwards and C. F. Byrum. 2,407,728; Nov. 19.
- Control system, Ultra high frequency. S. Krasik. 2,412,892; Dec. 17.
- Control systems for fuel burners, Safety. S. G. Eskin.
- Control unit and dump valve. B. N. Ashton and E. V. Barkow. 2,406,524; Aug. 27.

- Control unit, Power transmission. W. P. Lear. 2,403,101; July 2.
- Control unit, Stick. C. L. Paulus and F. A. Cullman, Jr. 2,397,978; Apr. 9.
- Control valve. H. W. Addison. 2,396,809; Mar. 19.
- Control valve. D. G. Fawkes. 2,396,993; Mar. 19.
- Control valve. W. M. Myers. 2,395,420; Feb. 26.
- Control valve. W. L. Parker. 2,393,805; Jan. 29.
- Controllable clutch. G. T. Moo. 2,402,829; June 25.
- Controlled ventilated container. I. Hill. 2,404,065; July 16.
- Controller. F. Stoner. 2,405,769; Aug. 13.
- Controller attachment for addressing machines. W. C. Pfeiffer. 2,396,199; Mar. 5.
- Controller, Circuit. J. F. Beal. 2,404,940; July 30.
- Controller, Circuit. H. L. Lambert. 2,410,085; Oct. 29.
- Controller, Circuit. J. G. Oetzel. 2,407,509; Sept. 10.
- Controller, Electric circuit. R. B. Hunter. 2,398,007; Apr. 9.
- Controller, Flight path. T. M. Ferrill, Jr. 2,395,854; Mar. 5.
- Controller for electric motor driven traveling machines. E. J. Posselt. 2,405,053; July 30.
- Controller for water temperature, Thermostatic. W. R. Peterson. 2,408,269; Sept. 24.
- Controller mechanism. R. G. James. 2,409,762; Oct. 22.
- Controller, Motor. C. P. Feldhausen. 2,409,264; Oct. 15.
- Controller, Motor. E. Bell. 2,399,059; Apr. 23.
- Controller, Motorized truck. C. S. Schroeder. 2,401,113; May 28.
- Controller, Slack. W. W. Stewart. 2,403,135; July 2.
- Controller, Temperature. C. H. McClain. 2,404,597; July 23.
- Controller, Temperature. A. O. Roche, Jr. 2,404,596; July 23.
- Controller, Unitary. A. G. Ericson and B. T. Anderson. 2,393,093; Jan. 15.
- Controllers, Circuit. C. H. Hodgkins. 2,402,404; June 18.
- Controlling apparatus, Electric. F. G. Logan. 2,402,563; June 25.
- Controlling apparatus, Railway traffic. J. C. Law. 2,404,303; July 16.
- Controlling apparatus, Railway traffic. H. A. Thompson. 2,405,860; Aug. 13.
- Controlling apparatus, Railway traffic. J. J. Van Horn. Re. 22,780; Aug. 13.
- Controlling apparatus, Railway traffic. H. S. Young. 2,395,706; Feb. 26.
- Controlling device. R. O. Allen. 2,400,330; May 14.
- Controlling device for envelope moistening devices, Liquid level. C. D. Ryan. 2,412,538; Dec. 10.
- Controlling device for gyroscopes, Erection. F. D. Bradon and S. Kellogg, 2nd. 2,409,188; Oct. 15.
- Controlling device, Thread. A. R. Wood. 2,410,400; Oct. 29.
- Controlling directional changes in bombs, Method of and apparatus for. M. G. Clay. 2,397,088; Mar. 26.
- Controlling means. P. S. Russel. 2,396,205; Mar. 5.
- Controlling means for burners, Fuel supply. P. S. Russel. 2,413,665; Dec. 31.
- Controlling means, Ignition. F. B. Aubert. 2,406,185; Aug. 20.
- Controlling mechanism. L. A. Maxson. 2,407,088; Sept. 3.
- Controlling mechanism for multiple wing helicopter rotors. T. F. McDougal. 2,396,590; Mar. 12.
- Controlling mechanism, Pressure responsive. J. Sivertsen. 2,404,868; July 30.
- Controlling moving vehicles, Method and apparatus for. W. L. Maxson, F. W. Lutz, P. J. McLaren, and N. V. Fedotoff. 2,397,487; Apr. 2.
- Controlling system, Crane. M. G. Clay. Re. 22,785; Sept. 3.
- Controlling system for railroads, Centralized traffic. W. D. Hailes, F. V. Brinner, W. M. Barker, and A. V. Dasburg. 2,399,734; May 7.
- Controlling system for railroads, Centralized traffic. W. K. Howe. 2,399,738; May 7.
- Controlling the supply of fuel to internal-combustion engines. W. D. Marchant. 2,396,651; Mar. 12.
- Controlling torch spacing, Method and apparatus. H. O. Kinkle. 2,411,737; Nov. 26.
- Conversion heater. B. Spieth. 2,406,643; Aug. 27.
- Conversion process, Hydrocarbon. C. W. Watson. 2,400,795; May 21.
- Conversion processes and apparatus therefor. H. Z. Martin, E. V. Mphree, E. J. Gohr, and J. H. Graham. 2,394,928; Feb. 12.
- Converter. J. E. Tillman. 2,404,669; July 23.
- Converter and control system, Torque. L. M. Sherman. 2,401,376; June 4.
- Converter and window unit, Combination. C. R. Sacchini. 2,393,194; Jan. 15.
- Converter, High-to-low-pressure. E. A. Rockwell. 2,410,750; Nov. 5.
- Converter, Range. D. B. Parkinson. 2,407,325; Sept. 10.
- Converter, Tone. J. L. Finch. 2,401,629; June 4.
- Converter, Torque. J. Jandasek. 2,393,859; Jan. 29.
- Convertible rocking chair. M. G. Lemos. 2,407,839; Sept. 17.
- Converting mono-olefins to di-olefins. H. S. Taylor and J. Turkevich. 2,401,802; June 11.
- Conveyance, Load pick-up hauling and dumping. P. E. Goodwin. 2,409,752; Oct. 22.
- Conveyance, Self-loading hay. W. H. Rodefeld. 2,398,327; Apr. 9.
- Conveyer. E. E. Brunner. Re. 22,789; Sept. 10.
- Conveyer. S. M. Mercier. 2,400,246; May 14.
- Conveyer. S. Fife. 2,404,885; July 30.
- Conveyer. M. L. Sensenig. 2,512,179; Dec. 3.
- Conveyer. F. Stedman. 2,413,339; Dec. 31.
- Conveyer and the like, Multiple drive. J. B. Webb and A. G. Rose. 2,395,599; Feb. 26.
- Conveyer, Ammunition. W. Thomas. 2,403,882-3; July 9.
- Conveyer, Ammunition. W. Thomas and R. L. Tweedale. 2,403,884; July 9.
- Conveyer, Article. J. H. Friden. 2,411,854; Dec. 3.
- Conveyer, Auger. A. R. Wheat. 2,397,305; Mar. 26.
- Conveyer belt cleaner. W. A. Vickers. 2,393,124; Jan. 29.
- Conveyer construction. J. C. Sullivan. 2,405,530; Aug. 6.
- Conveyer, Distributing. Z. Roseman. 2,404,863; July 30.
- Conveyer dump. H. C. Davis. 2,397,129; Mar. 26.
- Conveyer flight. H. W. Hapman. 2,400,502; May 21.
- Conveyer flight. J. F. Rixon. 2,403,024; July 2.
- Conveyer flight. B. E. Siver. 2,409,318; Oct. 15.
- Conveyer for cigarette machines, Tobacco. C. Arelt. 2,395,089; Feb. 19.
- Conveyer for cylindrical articles. L. Marzocchi. 2,396,589; Mar. 12.
- Conveyer for saw trimmers, Lumber feeding. E. C. Mead. 2,403,873; July 7.
- Conveyer for vehicle bodies, Roller. E. H. Hill. 2,411,133; Nov. 12.
- Conveyer, Grain. R. Berlinger. 2,401,540; June 4.
- Conveyer loading mechanism. E. A. Wilckens and E. M. Magill. 2,395,835; Oct. 8.
- Conveyer mechanism. E. N. Michna. 2,393,148; Apr. 9.
- Conveyer mechanism. M. Morgan. 2,392,334; Jan. 8.
- Conveyer mechanism. A. A. Tunley. 2,403,249; July 2.
- Conveyer mechanism, Work tumbling. E. W. Bereit. 2,395,391; Feb. 26.
- Conveyer or heater, Food. R. J. Baunach. 2,409,528; Oct. 15.
- Conveyer, Portable. F. E. Gephart. 2,397,959; Apr. 9.
- Conveyer, Portable power driven. A. C. Tuttle. 2,408,459; Oct. 1.
- Conveyer, Power-driven. V. Jorgensen. 2,397,420; Mar. 26.
- Conveyer, Sectional screw. S. C. Gebert. 2,394,163; Feb. 5.
- Conveyer, Shaker. E. J. Doberstein. 2,410,481-2; Nov. 5.
- Conveyer, Shaker. L. D. Hagenboel. 2,404,085; July 16.
- Conveyer slat assembly. C. S. Reed. 2,395,761; Feb. 26.
- Conveyer structure. W. G. Malo. 2,400,763; May 21.
- Conveyer structure. F. E. Thomas. 2,406,378; Aug. 6.
- Conveyer system. M. J. Anderson. 2,411,407; Nov. 19.
- Conveyer table. R. L. Hibbard. 2,405,141; Aug. 6.
- Conveyer, Trolley. R. W. Suman. 2,411,906; Dec. 3.
- Conveying apparatus. L. Winston. 2,405,920; Aug. 13.
- Conveying method. C. W. Bareis. 2,396,454; Mar. 12.
- Conveying of materials. E. L. Wiegand. 2,413,479; Dec. 31.
- Conveyer apparatus, Traveling. R. W. Spafford. 2,401,115; May 28.
- Conveyer, Belt. E. C. Anderson. 2,406,279; Aug. 20.
- Conveyer chain. F. H. Dalrymple. 2,402,376; June 18.
- Conveyer mechanism. H. O. Irmischer. 2,399,228; Apr. 30.
- Conveyer mechanism for furnaces and other apparatus. J. Fallon. 2,412,724; Dec. 17.
- Conveyer, Shaker. H. R. Eberle. 2,407,407; Sept. 10.
- Conveyer, Stoker. W. T. Hanna. 2,413,448; Dec. 31.
- Conveyer system control. G. Deakin. 2,410,051; Oct. 29.
- Cooker. R. S. Brescka. 2,397,836; Apr. 2.
- Cooker. R. Hermann. 2,400,643; May 21.
- Cooker, Electric. H. F. Drechsler and C. W. Elsenheimer. 2,397,478; Apr. 2.
- Cooker, Electric. C. M. Sharpe. 2,405,984; Aug. 20.
- Cooker, Gas. R. Hermann. 2,400,508; May 21.
- Cooker, Pressure. J. H. Chandler. 2,407,627; Sept. 1.
- Cooker, Pressure. H. Hansen and R. Pilger. 2,399,115; Apr. 23.
- Cooker, Pressure. H. A. Wilson. 2,392,077; Jan. 1.
- Cooker, Pressure. E. H. Wittenberg. 2,395,602; Feb. 26.
- Cooker and ricer, Combination. D. F. Hosman. 2,406,769; Sept. 3.
- Cooking and packaging. C. J. Cavallito. 2,398,082; Apr. 9.
- Cooking and vending machine. E. H. Thompson. R. W. Lockhart, and E. L. Wolf. 2,392,511; Jan. 8.
- Cooking apparatus, Outdoor. W. E. Leake, Jr. 2,408,859; Oct. 8.
- Cooking vessel. E. G. Scheuplein. 2,393,420; Jan. 22.
- Cooler, Contained valve. J. H. Hoern. 2,394,177; Feb. 5.
- Cooler. See—
Brake cooler. Evaporative cooler.
- Cooler construction, Noncongealing oil. C. T. Perkins. 2,410,380; Oct. 10.
- Cooler for refrigerators, Liquid. G. R. Taylor. 2,408,704; Oct. 1.
- Cooling agent dispenser. D. R. Douslin and C. F. Weinaug. 2,399,334; Apr. 30.

- Cooling and charging apparatus, Engine. F. W. Caldwell. 2,407,223; Sept. 10.
- Cooling apparatus. C. V. Di Pietro. 2,396,460; Mar. 12.
- Cooling apparatus. H. W. Kleist. 2,406,432; Aug. 6.
- Cooling apparatus. J. F. Plummer, Jr. 2,409,896; Oct. 22.
- Cooling apparatus. A. Sánchez. 2,394,109; Feb. 5.
- Cooling apparatus for bottled beverages. A. M. Culberth. 2,405,091; July 30.
- Cooling apparatus, Mold. N. M. Waterbury and R. C. Tittel. 2,402,475; June 18.
- Cooling apparatus, Water. C. P. Freer. 2,403,272; July 2.
- Cooling attachment for fans, Evaporative. C. C. McCombs. 2,396,741; Mar. 19.
- Cooling device, Room. E. Babcock. 2,391,859; Jan. 1.
- Cooling means for shafts. I. Jepson. 2,397,012; Mar. 19.
- Cooling mechanism, Brake. C. L. Eksergian. 2,400,225; May 14.
- Cooling structure for aircraft engines, Axial flow. C. E. Lucke. 2,406,552; Aug. 27.
- Cooling structure for aircraft engines, Cylinder. C. E. Lucke. 2,406,551; Aug. 27.
- Cooling system. R. W. Myers. 2,394,199; Feb. 5.
- Cooling system. C. R. Pylon. 2,411,936; Dec. 3.
- Cooling system. M. F. White. 2,396,033; Mar. 5.
- Cooling system, Engine. K. A. Rowley. 2,401,510; June 4.
- Cooling system for Diesel engines. E. F. Chandler. 2,392,723; Jan. 8.
- Cooling system for hydraulically operated machine tools. W. G. Baldenhofer. 2,396,147; Mar. 5.
- Cooling system for marine vehicles. C. F. Kramer and F. G. Kerby. 2,397,792; Apr. 2.
- Cooling system, Rocket motor. R. C. Truax, R. C. Stiff, Jr., W. Schubert, J. R. Patton, Jr., and R. Youngquist. 2,408,112; Sept. 24.
- Coordinate determining system. A. V. Loughren. 2,403,729; July 9.
- Coordinating apparatus. J. J. Moynihan. 2,404,243; July 16.
- Co-oxidation reaction. A. T. Larson. 2,405,963; Aug. 20.
- Copolymer, Haloprene. C. J. Mighton. 2,392,756; Jan. 8.
- Copolymer of styrene and fusible partial polymer of divinyl benzene. G. F. D'Alleio. 2,405,817; Aug. 13.
- Copolymerization mixtures and polymeric products. L. C. Rubens and R. F. Boyer. 2,395,504; Feb. 26.
- Copolymerization of asymmetrical dihalogenated ethylenes. H. W. Arnold. 2,404,779; July 30.
- Copolymers. S. M. Weisburg, E. G. Stimpson, and J. Greenspan. 2,395,438; Jan. 22.
- Copolymers of acryl esters and vinyl esters, Deesterification of. W. O. Kenyon, T. F. Murray, Jr., and L. M. Minsk. 2,403,004; July 2.
- Copolymers of butadiene-1,3 and N-dialkyl acrylamides. W. L. Semon. 2,401,885; July 11.
- Copolymers of carbalkoxy alkyl acrylonitriles. J. R. Long. 2,396,586; Mar. 12.
- Copolymers of diolefinic compounds. D. T. Mowry. 2,398,321; Apr. 9.
- Copolymers of divinyl benzene and vinyl acetate. G. F. D'Alleio. 2,404,220; July 16.
- Copolymers of halogenated ethylenes. E. L. Martin. 2,396,713; Mar. 19.
- Copolymers of monoethenoid compounds, Production of. D. E. Strain. 2,404,817; July 30.
- Copolymers of vinyl chloride and trichloroethylene. O. W. Cass. 2,397,724; Apr. 2.
- Copper and zinc plate on ferrous articles, Thermally diffused. H. Brown and C. R. Hurlex. 2,392,456; Jan. 8.
- Copper brazing. H. D. Stecher and J. N. Paquin. 2,392,886; Jan. 15.
- Copper compounds of mercaptans derived from pinene. A. L. Fox. 2,407,266; Sept. 10.
- Copper compounds of mercaptans derived from terpenes and producing them. A. L. Fox. 2,407,268; Sept. 10.
- Copper-containing azo dyestuffs, Preparing. N. L. Anderson. 2,400,092; May 14.
- Copper, Electrodeposition of. E. D. Wilson. 2,411,674; Nov. 26.
- Copper, Electrolysis of. W. C. Mason. 2,408,668; Oct. 1.
- Copper from zinc, Stripping of. J. C. Luna. 2,408,220; Sept. 24.
- Copper, Mining native. P. W. Arvidsson. 2,404,206; July 16.
- Copper phthalocyanine dyestuffs, Manufacture of. G. M. O'Neil. 2,410,301; Oct. 29.
- Copper values from dilute solutions of copper salts, Recovering. H. L. Tiger and P. C. Goetz. 2,397,575; Apr. 2.
- Copy holder. K. C. Attlecks. 2,401,811; June 11.
- Cord, Coated. T. R. Ten Broeck. 2,410,792; Nov. 5.
- Cord, Fibrous. J. Overbeck. 2,401,956; June 11.
- Cord support for electric filaments. G. Browning. 2,396,676; Mar. 19.
- Cord winder. I. Ruttay. 2,393,417; Jan. 22.
- Cordlike product. G. H. Fullerton and T. V. Moss. 2,403,652; July 9.
- Cord-locking construction, Venetian blind. J. Nilsenon. 2,408,333; Sept. 24.
- Cords and making cord. S. M. Martin. 2,403,816; July 9.
- Cords, Making. S. M. Martin. 2,403,815; July 9.
- Core. J. B. Brennan. 2,397,121; Mar. 26.
- Core controlling device for casting. P. E. Flowers. 2,396,778; Mar. 19.
- Core, Drill. E. F. Aston. 2,412,939; Dec. 24.
- Core for cooling pipes, Compressible. J. I. Morrison. 2,409,304; Oct. 15.
- Core for metallic casting and composition for same. C. E. Hartwig and R. E. Roehrenbeck. 2,405,650; Aug. 13.
- Core lamination and production thereof. W. P. Langworthy. 2,410,220; Oct. 29.
- Core, Magnetic. F. F. Brand. 2,407,625; Sept. 17.
- Core, Magnetic. I. H. Schlater. 2,407,688; Sept. 17.
- Core, Magnetic. A. J. Welch, Jr. 2,407,626; Sept. 17.
- Core making machine. D. H. Wood and H. J. Roe. 2,409,330; Oct. 15.
- Core mold for walls. V. E. Reichard. 2,394,261; Feb. 5.
- Corer and slicer. A. E. Hosmer. 2,397,007; Mar. 19.
- Corer and slicer. J. H. Lunt. 2,397,496; Apr. 2.
- Cork composition cartridge plugs, Making. H. Paschke and J. W. Wiley. 2,394,524; Feb. 19.
- Cork-substitute material, Felted wood fiber machinable. J. H. Gauthier. 2,395,218; Feb. 19.
- Corn kernel cutter. J. H. Higgins. 2,412,149; Dec. 3.
- Corn picker, Tractor-mounted. M. J. Mitchell. 2,398,028; July 2.
- Corner construction. W. M. Krantz. 2,395,673; Feb. 26.
- Corner structure, Frame. W. and G. Holman. 2,408,852; Oct. 8.
- Correcting device, Ingrown nail. H. C. Armagost. 2,405,847; Aug. 13.
- Correction apparatus, Keystone. J. A. Buckbee. 2,406,740; Sept. 3.
- Correction device for gyroscopic compasses, Automatic. W. R. Hight and B. A. Wittkuhns. 2,403,000; July 2.
- Corrective arrangement, Distortion. H. G. Busignies. 2,406,799; Sept. 3.
- Corrector, Rotary position. A. G. Richardson and F. O. Chesus. 2,406,853; Sept. 3.
- Corrosion inhibitor. J. R. Heard, Jr. 2,401,733; June 11.
- Corrosion inhibiting composition and method. L. M. Butchart. 2,411,676; Nov. 26.
- Corrosion inhibition in catalytic hydrocarbon conversion. A. Wachter and R. S. Treseder. 2,411,483; Nov. 19.
- Corrosion of distillation equipment, Preventing the. D. C. Walsh, Jr., and E. Q. Camp. 2,408,011; Sept. 24.
- Corrosion reduction in heat exchangers. W. F. Harlow. 2,412,809; Dec. 17.
- Corrosion testing apparatus. F. Todd. 2,405,532; Aug. 6.
- Corrugated structures, Apparatus for producing. G. Weiss. 2,406,051; Aug. 20.
- Corrugating die and like machines, Combination preheater and steam shower for. F. C. Carder. 2,402,237; June 18.
- Corrugating die. J. A. Watt and A. J. Perkins. 2,397,582; Apr. 2.
- Corset. J. J. Kispert. Re. 22,773; July 23.
- Corset. J. J. Kispert. 2,410,083; Oct. 29.
- Corset. I. Rosner. 2,405,711; Aug. 13.
- Corset drying frame. E. P. Ewing. 2,393,460; Jan. 22.
- Corset, Ventilated. J. J. Kispert. 2,410,082; Oct. 29.
- Cosmetic case. M. M. Slaton and M. M. Croen. 2,396,932; Mar. 19.
- Cosmetic container. A. Auerbach. 2,394,961; Feb. 12.
- Cosmetic container. C. R. Book. 2,409,658; Oct. 22.
- Cosmetic holder. A. Gelardin. 2,393,677; Jan. 29.
- Cost computing meter. W. J. Pearson. 2,410,743; Nov. 5.
- Costume, Skating. E. Abrahamson. 2,412,241; Dec. 10.
- Cot for textile fiber processing, Spinning. H. M. Bacon. 2,393,953; Feb. 5.
- Cotter pin construction. S. J. Strid. 2,400,960; May 28.
- Cotton cleaner. A. L. Smith. 2,401,439; June 4.
- Cotton fabrics with differential elastic properties, Making. C. F. Goldthwait. 2,404,837; July 30.
- Cotton picker. A. J. Kier. 2,411,675; Nov. 26.
- Cotton yarn, Spinning of. B. L. Whittier and W. E. Johnson. 2,412,641; Dec. 17.
- Couch and bed, Combination. L. Robinson. 2,394,969; Feb. 12.
- Counter. J. Noonan. 2,406,062; Sept. 3.
- Counter, Electronic. O. R. Miller. 2,407,320; Sept. 10.
- Counter for flat articles. E. G. Staude. 2,394,945; Feb. 12.
- Counter, Geiger-Müller. A. S. Keston. 2,409,498; Oct. 15.
- Counter, Photoelectric. L. R. Hunter and O. C. Levander. 2,408,813; Sept. 24.
- Counter, Store display. R. H. Kress. 2,400,832; May 21.
- Counter, Swivel door. E. Ramsay. 2,393,811; Jan. 29.
- Counter, Traffic. G. R. Hall. 2,403,277; July 2.
- Counterbalance for boom derricks, Automatic. M. A. West. 2,408,090; Oct. 1.
- Countersink. J. J. Manewich. 2,401,307; June 4.
- Countersink level recessing tool. O. J. Huelster. 2,401,074; May 28.
- Countersink, Micrometer stop. W. E. Miller. 2,409,377; Oct. 15.
- Counterweight arrangement on crank drive. A. Eberhard. 2,393,029; Jan. 15.
- Counting and selecting device, Impulse. A. N. Goldsmith. 2,401,729; June 11.
- Counting device, Electronic. J. S. Compton and R. E. Mandy. 2,402,372; June 18.
- Counting mechanism. J. Wilmont. 2,406,726; Aug. 27.

- Counting mechanism. W. A. Whitehead. 2,406,118; Aug. 20.
- Counting mechanism. L. S. Williams. 2,405,626; Aug. 13.
- Counting system. W. P. Overbeck. 2,404,918; July 30.
- Coupler. G. E. Fitch. 2,396,499; Mar. 12.
- Coupler. F. H. Kayler. 2,393,912; Jan. 29.
- Coupler. E. P. Kinne. 2,393,914; Jan. 29.
- Coupler. E. P. Kinne. 2,408,653; Oct. 1.
- Coupler. Automatic scale model. A. R. Wicher. 2,409,920; Oct. 22.
- Coupler carrier. E. P. Kinne and F. H. Kayler. 2,400,049; May 7.
- Coupler centering device. Car. K. E. Zeidler. 2,409,093; Oct. 8.
- Coupler. Color. A. Weissberger, C. J. Kibler, and P. W. Vitrum. 2,407,210; Sept. 3.
- Coupler for condenser microphones. Acoustic. H. C. Silent. 2,405,858; Aug. 13.
- Coupler. Linear. E. C. Wentz. 2,411,403; Nov. 19.
- Coupler. Locomotive. H. H. Wolfe. 2,400,584; May 21.
- Coupler. Lubrication. C. W. Ginter. 2,404,052; July 16.
- Coupler mechanism. F. H. Kayler. 2,396,855; Mar. 19.
- Coupler mechanism. Car. E. E. Schlesinger. 2,399,263; Apr. 30.
- Coupler. Mine car. E. Ramsay. 2,407,449; Sept. 10.
- Coupler. Standing wave. H. M. Strobel. 2,409,991; Oct. 22.
- Coupler. Toy train. L. H. Strayer. 2,411,394; Nov. 19.
- Coupler. Trailer. W. L. Slimp. 2,411,009; Nov. 12.
- Coupler. Traveling wave. H. M. Strobel. 2,409,992; Oct. 22.
- Coupling: See—
- Antenna coupling. Marine friction coupling.
- Automatic parachute release coupling. Multiple quick disconnect coupling.
- Car coupling. Overload release coupling.
- Conduit coupling. Pipe coupling.
- Detachable coupling. Quick disconnect coupling.
- Disengaging coupling. Sealed flexible coupling.
- Drive coupling. Self-sealing valved coupling.
- Flexible coupling. Swivel coupling.
- Flexible drive coupling. Tie rod coupling.
- Flexible pipe coupling. Trailer coupling.
- Fluid coupling. Tube coupling.
- Hose coupling. Variable speed hydraulic coupling.
- Hydraulic coupling. Vibrationproof coupling.
- Inductive coupling. Limited torque coupling.
- Limited torque coupling. F. W. Adolph. 2,403,839; July 9.
- Coupling. N. W. Adolph. 2,403,839; July 9.
- Coupling. F. E. Bertschinger. 2,408,547; Oct. 1.
- Coupling. I. L. Eastman. 2,394,236; Feb. 5.
- Coupling. J. W. Fitz Gerald. 2,400,110; May 14.
- Coupling. F. S. Keahy. 2,405,148; Aug. 6.
- Coupling. L. H. Fletcher. 2,409,385; Oct. 15.
- Coupling. E. B. Wiggins. 2,409,650; Oct. 22.
- Coupling and power steering unit. Draft. R. L. Akers. 2,408,360; Oct. 1.
- Coupling and steering unit. R. L. Akers. 2,408,359; Oct. 1.
- Coupling arrangement. A. C. Beck. 2,408,032; Sept. 24.
- Coupling arrangement. Flexible gear. R. L. Morey. 2,403,389; July 2.
- Coupling arrangement for use in wave transmission systems. W. A. Tyrrill. 2,410,114; Oct. 29.
- Coupling arrangement. Inductive. E. O. Willoughby. 2,399,779; May 7.
- Coupling circuit. F. O. Chesus. 2,391,880; Jan. 1.
- Coupling circuit. C. B. Watts, Jr. 2,411,564; Nov. 26.
- Coupling combination. E. F. Mahberg. 2,410,297; Oct. 20.
- Coupling combined with gearing. Hydrodynamic. D. W. Kelbel. 2,402,164; June 18.
- Coupling control apparatus. Electrical. A. Winther. 2,411,122; Nov. 12.
- Coupling device. J. A. Bielski and W. J. Luckock. 2,407,530; Sept. 10.
- Coupling device. E. A. Derungs. 2,400,633; May 21.
- Coupling device. B. C. Grieb. 2,397,735; Apr. 2.
- Coupling device. E. M. McElhinney. 2,400,836; May 21.
- Coupling device. E. C. Okress, D. E. Nelson, and R. C. Retherford. 2,404,086; July 16.
- Coupling device. Rudnick. 2,393,657; Jan. 29.
- Coupling device. C. H. Sauer. 2,404,925; July 30.
- Coupling device. Amplifier. A. H. Neyzi. 2,405,515; Aug. 6.
- Coupling device and control means therefor. P. Orr. 2,401,179; May 28.
- Coupling device and system. Ultra high frequency. D. F. Fiske. 2,408,055; Sept. 24.
- Coupling device for connecting pipes or conduits. S. G. Williams-Foxcroft. 2,398,170; Apr. 9.
- Coupling device for pipes or tubes. W. H. J. Brock. 2,405,489; Aug. 6.
- Coupling device for pipes or tubes. W. H. J. Brock. 2,405,488; Aug. 27.
- Coupling device for use in cable connections between tugs, gliders, and the like. Intercommunication. M. J. O. Lobelle. 2,400,310; May 14.
- Coupling device. One-way. D. W. Kelbel. 2,393,693; Jan. 29.
- Coupling device. Tractor. R. C. Ferguson. 2,410,280; Oct. 29.
- Coupling device. Ultra high frequency. S. Gubin. 2,397,787; Apr. 2.
- Coupling device. Ultra high frequency. S. Gubin. 2,401,534; June 4.
- Coupling for coal feeding worms. W. M. Schweickart. 2,404,145; July 16.
- Coupling for drive rolls. H. O. Shade. 2,412,013; Dec. 3.
- Coupling for high-frequency oscillator. Output. J. B. Fisk. 2,411,151; Nov. 19.
- Coupling for ignition magnetos. Impulse. H. Schmid and A. P. Hobusch. 2,394,938; Feb. 12.
- Coupling for model railway vehicles and the like. T. Pinder. 2,408,877; Oct. 8.
- Coupling for plastic tubes. J. L. Hudson. 2,409,283; Oct. 15.
- Coupling for railway vehicles and the like. Combined. J. J. Petrovich. 2,395,426; Feb. 26.
- Coupling for tubes. J. J. Chavayda. 2,398,618; Apr. 16.
- Coupling for tubes. A. L. Parker. 2,398,555; Apr. 16.
- Coupling for tubes. J. N. Wolfram and W. Maky. 2,412,664; Dec. 17.
- Coupling means for tractors. G. B. Sherman. 2,394,210; Feb. 5.
- Coupling means. Power. W. C. Weaner. 2,408,497; Oct. 1.
- Coupling or connecting device. R. A. W. Spooner. 2,402,925; June 25.
- Coupling sleeve puller. C. V. Augustine. 2,399,312; Apr. 30.
- Coupling system. A. C. Beck. 2,408,033; Sept. 24.
- Coupling system. H. T. Friis. 2,401,751; June 11.
- Coupling system. D. H. Ring. 2,410,838; Nov. 12.
- Coupling system. Adjustable. L. F. Curtis. 2,396,831; Mar. 19.
- Coupling unit. D. A. Wallace. 2,404,329; July 16.
- Couplings. Making return bend pipe. C. A. Dies. 2,409,023; Oct. 8.
- Couplings. Permanently attaching hose. C. L. Conroy. 2,399,790; May 7.
- Course tracing device. M. Jones. 2,393,474; Jan. 22.
- Cover: See—
- Book cover. Hoist drum cover.
- Bottle cover. Mattress cover.
- Circular saw and addo cover. Ornamental hair curler cover.
- Clothesline cover. Pillow head cover.
- Detachable cover. Receptacle cover.
- Electrically heated cover. Slip cover.
- Heated steering wheel. Tire tread cover.
- Cover. W. Halpern, K. Weiner, and R. Krochmal. 2,412,262; Dec. 10.
- Cover for containers. Detachable. O. Rasor. 2,406,636; Aug. 27.
- Cover for the suction boxes of papermaking machines. J. Proulx. 2,408,176; Sept. 24.
- Cover for tin cans. H. C. Dauphinals. 2,412,603; Dec. 17.
- Cover remover. Bottle cap or jar. R. A. Mitchell. 2,407,793; Sept. 17.
- Cover removing tool. S. Kretschman. 2,407,428; Sept. 10.
- Covered separable fastener. D. Marinsky and L. H. Morin. 2,392,934; Jan. 15.
- Covering and making the same. Insulating. G. B. Brown. 2,409,249; Oct. 15.
- Covering articles. Temporarily. V. F. Harrington. 2,410,878; Nov. 12.
- Covering. Foot. L. S. Herbert. 2,400,692; May 21.
- Covering for aircraft surfaces and the like. Protective. W. H. Hunter. 2,394,063; Feb. 5.
- Covering for metal articles, and applying. Protective. H. C. Phillips and P. F. Robb. 2,394,101; Feb. 5.
- Covering for welding rods. Protective. R. D. Wasserman. 2,410,850; Nov. 12.
- Covering. Hand. C. P. Krupp. 2,393,171; Jan. 15.
- Covering. Hand. J. Shindler. 2,394,532; Feb. 12.
- Covering material. Surface. F. Washburn. 2,411,308; Nov. 19.
- Covers and locking means therefor. Hatch. T. Madland. 2,405,040; July 30.
- Cowl fastener. H. W. Baldwin. 2,392,718; Jan. 8.
- Cowl fastener. M. P. Graham and A. Venditty. 2,398,827; Apr. 23.
- Cowl fastener. H. R. Segal. 2,407,618-19; Sept. 10.
- Cowling. Aircraft engine. H. Neumann, G. Bukowski, R. Ramshorn, E. Spiegel, and H. Tonn. 2,396,598; Mar. 12.
- Cowling and like socket fastener member. Shiftable. W. H. Churchill. 2,407,815; Sept. 17.
- Cowling. Engine. D. S. Hersey. 2,403,797; July 9.
- Cowling for airplanes. D. M. Capanoli. 2,408,371; Oct. 1.
- Cracking hydrocarbons in the presence of a diluent gas. H. Dreyfus. 2,413,407; Dec. 31.
- Cracking machine. Tube. C. Eisler. 2,410,931; Nov. 12.
- Cracking process. C. H. O. Berg. 2,408,600; Oct. 1.
- Cracking process. H. H. Meier. 2,401,363; June 4.
- Cracking units. Starting procedure for. E. W. Hunt. 2,398,228; Apr. 9.
- Crane. J. D. Fetche. 2,401,881; June 11.
- Crane accessory for fork trucks. Revolving. J. R. Westervelt, Jr. 2,410,373; Oct. 29.

- Crane, Cargo. N. P. E. Andersen. 2,396,143; Mar. 5.
Crane controlling and steering device. F. D. Graham. 2,393,768; Jan. 29.
Crane controlling system. M. G. Clay. 2,391,881; Jan. 31.
Crane, Self-erecting. R. G. Le Tourneau. 2,394,314; Feb. 6.
Crane system, Electric traveling. R. W. Spafford and L. R. Bergren. 2,392,417; Jan. 8.
Crane, Tractor. R. C. Swaney. 2,413,529; Dec. 31.
Crane, Traveling. V. V. Mappin. 2,411,218; Nov. 19.
Cranial operations, Method and apparatus for. E. Chapman. 2,401,548; June 4.
Crank and lubricated means for driving the same. S. S. Crause. 2,410,929; Nov. 12.
Crank bed motion, Twin. F. W. Seybold. 2,403,760; July 9.
Crankcase and cylinder cooling. W. Ricart. 2,397,434; Mar. 26.
Crankcases, Method and apparatus for forging. C. A. Brauchler. 2,400,387; May 14.
Crankshaft holding and pin aligning means. G. E. Taylor. 2,397,517; Apr. 2.
Crankshafts by electric welding, Making. F. A. Carstens. 2,403,049; July 2.
Crankless mechanism. A. G. M. Michell. 2,401,433; June 4.
Crate, Bottle. L. A. Fordon. 2,401,063; May 28.
Crate, Bottle. A. Taurman. 2,410,251; Oct. 29.
Crate, Carboy. K. G. Miller. 2,399,499; Apr. 30.
Crayon. A. Rubenstein. 2,409,009; Oct. 4.
Crayon for marking textile materials and the like. R. D. Robinson. 2,398,559; Apr. 16.
Cream separator. C. E. Deardorff. 2,399,665; May 7.
Creaser, Trouser. H. M. Kruse. 2,400,236; May 14.
Creepers, Ice. S. A. Smith. 2,401,891; June 11.
Creepers, Side. B. Cones. 2,401,295; June 4.
Creeping machine. L. A. Straubel, Sr. 2,409,997; Oct. 22.
Creeping machine. L. A. and J. W. Straubel. 2,410,189; Oct. 29.
Creeping of webs with thin coatings of creeping adhesive. W. W. Rowe. 2,399,256; Apr. 30.
Cresylic pitch to obtain tar-acids therefrom, Treating. C. F. Winans. 2,398,687; Apr. 16.
Crib, Folding. D. D. Leavitt. 2,413,457; Dec. 31.
Crib, Portable. H. Reeves. 2,392,048; Jan. 15.
Crib rail support. S. and N. J. Kroll. 2,399,358; Apr. 30.
Cribbage board. R. C. Shipley. 2,404,320; July 16.
Crimper, Blasting cap. A. Djidics. 2,400,549; Oct. 15.
Crimper, Eyelash. R. R. Rector. 2,392,694; Jan. 8.
Crochet, Applique. M. E. Ellis. 2,399,478; Apr. 30.
Crochet ball holder. J. M. D'Arcy. 2,410,018; Oct. 29.
Croquet iron. J. Pope. 2,409,791; Oct. 22.
Crossbar selector switching unit. C. Gillings and L. J. Murray. 2,409,122; Oct. 8.
Crossbar switch mechanism. C. Gillings and L. J. Murray. 2,412,257; Dec. 10.
Crosshead. E. R. Freund. 2,404,835; July 30.
Cross shaft mounting. J. J. Wharam and C. P. Pinardi. 2,406,933; Sept. 3.
Crossed-lever tool. A. J. Cacarrillo. 2,392,118; Jan. 1.
Crossing gate. D. Richards and S. T. Comfort. 2,401,275; May 28.
Crotch, Detachable. R. B. O'Brien. 2,396,599; Mar. 12.
Crown cap conveying system. H. A. Fink. 2,412,137; Dec. 3.
Crown fastener. H. J. Dorgelys. 2,301,057; May 28.
Crude oil. Purifying and deodorizing. F. A. Kent and C. W. Patrick. 2,400,515; May 21.
Crusher, Ice. A. E. Grant. 2,398,932-3; Apr. 23.
Crushing device. E. A. and J. A. Clemetsen. 2,407,365; Sept. 10.
Crust or like former, Pie. W. M. Fletcher. 2,405,781; Aug. 13.
Crutch. T. B. Brickson. 2,408,604; Oct. 1.
Crutch. F. Klausnitzer and G. W. Battles. 2,398,534; Apr. 16.
Crutch. T. Lamb. 2,409,365; Oct. 15.
Crutch. F. J. Redcliffe. 2,398,247; Apr. 9.
Crutch, Adjustable. C. A. Lyman. 2,399,279; Apr. 30.
Crutch, Safety. J. J. Janosko. 2,402,330; June 18.
Crutch tip construction. H. C. McGowan. 2,397,499; Apr. 2.
Cryptographic device. W. F. Friedman. 2,395,863; Mar. 5.
Crystal. W. E. Kuenstler. 2,404,445; July 23.
Crystal detectors, Mounting. W. D. La Rue. 2,413,186; Dec. 24.
Crystal filter circuit. G. F. Collar and R. C. Young. 2,405,999; Aug. 20.
Crystal holder. H. M. Bach. 2,410,193; Oct. 29.
Crystal holder. M. Pennybacker. 2,413,579; Dec. 31.
Crystal mounting. J. J. Cress. 2,409,838; Oct. 22.
Crystal, Piezoelectric. S. X. Shore. 2,411,298; Nov. 19.
Crystalline absorbents, Manufacture of. R. M. Barrer. 2,413,134; Dec. 24.
Crystalline materials, Preparation of. G. H. Foster and E. F. Williams. 2,395,856-60; Mar. 5.
Crystalline pellets, and preparation. H. R. Dalton. 2,400,292; May 14.
Crystals. Orientation of. I. Fankuchen. 2,392,528; Jan. 8.
Crystals, Piezoelectric. B. Tenenbaum. 2,395,434; Feb. 26.
Culinary equipment. C. Deacon. 2,397,410; Mar. 26.
Cultivating tool. J. F. Linden. 2,400,241; May 14.
Cultivation of plants, Flame. P. C. McLemore. Re. 22,803; Oct. 15.
Cultivator, Adjustable parallel beam. C. Patterson. 2,413,467; Dec. 31.
Cultivator and row thinner, Combination. R. L. Harral. 2,409,123; Oct. 8.
Cultivator attachment to agricultural implements, Rotary. D. W. Ritenour. 2,393,190; Jan. 15.
Cultivator, Power-driven rotary garden. G. O. Deubner. 2,410,273; Oct. 29.
Cultivator tool. L. R. Shaffer. 2,396,132; Mar. 5.
Cup, Vacuum. R. M. Allen. 2,405,630; Aug. 13.
Cup for milking machines. E. Shurts and L. F. Bender. 2,402,094; June 11.
Cup for milking machines, Teat. F. A. Gessler. 2,408,390; Oct. 1.
Cup forming machine. E. Conti. 2,411,082; Nov. 12.
Cup, Measuring. J. S. Lucas. 2,399,813; May 7.
Cup, Oil. E. W. Davis. 2,406,746; Sept. 3.
Cup, Steel post roller. H. P. Witt. 2,406,798; May 21.
Cup, Vacuum. R. M. Stephens. 2,404,412; July 23.
Cupola furnace. W. M. McNell. 2,395,321; Feb. 19.
Cupping press. A. and E. A. Calleson. 2,411,503; Nov. 26.
Cuprammonium process. P. H. Schlosser, J. W. Bennett, and K. R. Gray. 2,395,015; Feb. 19.
Cures, Remedies suitable for, Therapeutic use, Producing. H. A. Holaday. 2,397,417; Mar. 26.
Curing acrylate polymers and resulting product. L. W. Rainard. 2,410,103; Oct. 29.
Curier and the like, Hair. G. C. E. Keet. 2,395,555; Feb. 26.
Curier, Cold wave hair. J. M. Simons. 2,403,244; July 2.
Curier, Eyelash. E. Byron. 2,411,519; Nov. 26.
Curier, Eyelash. C. M. Palmer. 2,410,391; Oct. 29.
Curier, Eyelash. H. Wasserman. 2,393,848; Jan. 29.
Curier, Hair. E. Bergen. 2,394,973; Feb. 19.
Curier, Hair. R. Krasberg. 2,392,928; Jan. 15.
Curier, Hair. R. Krasberg. 2,408,657; Oct. 1.
Curier, Hair. A. A. Norin. 2,403,992; July 16.
Curier, Hair. A. Reiter. 2,411,336; Nov. 19.
Curier, Hair. F. D. Reynolds. 2,396,606; Mar. 12.
Curier, Hair. F. D. Reynolds. 2,410,106; Oct. 29.
Curier, Hair. C. J. Simons and A. Randall. 2,404,867; July 30.
Curier, Hair. N. L. Solomon. 2,395,945; Mar. 5.
Curier, Hair. S. and R. Wirsing. 2,410,617; Nov. 5.
Curling device, Hair. A. Kiernan. 2,405,431; Aug. 6.
Curling device, Hair. L. Toro. 2,402,470; June 18.
Curling hair. C. J. Altman. 2,397,908; Apr. 9.
Curling method. C. J. Altman. 2,394,547; Feb. 5.
Curling rod. S. Molchan. 2,404,517; July 23.
Current collector mounting means. W. J. Lewis. 2,412,052; Dec. 3.
Current control, Load. U. Lamm. 2,403,891; July 9.
Current conversion device. F. A. Sherman. 2,400,609; May 21.
Current motor. R. W. Harbaugh. 2,403,178; July 2.
Current regulator. J. B. Reeves. 2,409,312; Oct. 15.
Curtain. E. Lepow. 2,392,930; Jan. 15.
Curtain. R. P. Loeb. 2,395,335; Feb. 19.
Curtain. R. S. Temko and A. Katz. 2,400,788; May 21.
Curtain construction, Pleating. E. Lepow. 2,410,224; Oct. 29.
Curtain, Crisscross. G. Kahn. 2,410,662; Nov. 5.
Curtain hanger. H. Howard, Jr. and C. A. Noland. 2,411,431; Nov. 19.
Curtain or drape hanger. M. L. Paradise. 2,393,869; Jan. 29.
Curtain rod. J. E. Chilton. 2,399,001; Apr. 23.
Curtain rod. A. E. Wilson. 2,401,212; May 28.
Curtain saver. V. J. and J. W. Hansen. 2,405,354; Aug. 6.
Curtain set. S. E. Lewis. 2,392,598; Jan. 8.
Curtain-shutter and release mechanism for photographic cameras, Motor-driven. E. S. Hineline. 2,407,277; Sept. 10.
Curtain, Theatre. B. H. and G. W. Lohmuller. 2,407,024; Sept. 3.
Curtain traverse wheel. T. Dierking. 2,405,020; July 30.
Cushion and life preserver, Combination. G. Bailhe. 2,405,484; Aug. 6.
Cushion for artificial denture. E. W. Town. 2,392,513; Jan. 8.
Cushion for billiard tables. T. Sato. 2,395,645; Feb. 26.
Cushion head for stapling devices. C. E. Hallen. 2,393,769; Jan. 29.
Cushion mounting. G. W. Fryer. 2,406,601; Aug. 27.
Cushion or mattress. S. J. Weinzimmer. 2,401,995; June 11.
Cushioned clip. C. J. Chunn. 2,404,473; July 23.
Cushioned shipping container. H. Kuhlman. 2,401,765; June 11.
Cushioning device. L. D. Freeman. 2,410,933; Nov. 12.
Cuspidor cleaner. B. Graham. 2,404,288; July 16.
Cut film holder. H. Jacobson. 2,397,010; Mar. 19.
Cut-off drive mechanism. H. C. Behrens. 2,394,589; Feb. 12.

- Cutoff for power operated hand tools, Safety. E. F. Sheehan and G. V. Hunt. 2,409,397; Oct. 15.
- Cutoff machine, Abrasive. R. B. Pealer. 2,401,659; June 4.
- Cutoff machine, Abrasive. L. L. Vadrnais. 2,400,794; May 21.
- Cutoff machine, Foundry. H. H. Talboys. 2,406,468; Aug. 6.
- Cutoff tool. D. S. Anthony and W. B. Blocker. 2,398,913; Apr. 23.
- Cutout. G. C. Armstrong. 2,411,352; Nov. 19.
- Cutout device, Hydraulic. C. A. Pugh and A. W. Say. 2,406,589; Sept. 3.
- Cutout, Electrical. C. E. Mosley. 2,401,656; June 4.
- Cutout, Self-standing. V. Havel. 2,395,118; Feb. 19.
- Cutter—See—
- Automatic cutter. Lace cutter.
 - Cable cutter. Loop cutter.
 - Cake cutter. Machine tool cutter.
 - Cereal cutter. Milling cutter.
 - Corn kernel cutter. Mine mooring cutter.
 - Fly cutter. Paper cutter.
 - Ice cutter. Pipe cutter.
 - Glass cutter. Profiling milling cutter.
 - Grapefruit cutter. Rotary cast cutter.
 - Grass and weed cutter. Rotary cutter.
 - Grass cutter. Sod cutter.
 - Inserted blade cutter. Thread cutter.
 - Inserted tooth milling cutter. Wash-over outside cutter.
- Cutter. K. B. Kaiser. 2,413,452; Dec. 31.
- Cutter. C. E. Kraus. 2,407,501; Sept. 10.
- Cutter. H. E. Martin. 2,398,333; Apr. 16.
- Cutter. H. L. Steiner. 2,408,891; Oct. 8.
- Cutter and squeezer, Fruit. R. A. Klein. 2,404,382; July 23.
- Cutter attachment for drill cultivators, Weed. A. F. Morris. 2,411,454; Nov. 19.
- Cutter attachment for hand punches. L. P. Morin. 2,398,840; Apr. 23.
- Cutter chain. J. R. Cartledge. 2,399,166; Apr. 30.
- Cutter chain. C. F. Osgood. 2,408,476; Oct. 1.
- Cutter chain. L. E. Simmons. 2,393,001; Jan. 15.
- Cutter chain. L. E. Simmons. 2,404,540; July 23.
- Cutter chain. L. E. Simmons and H. H. Vanderzee. 2,413,585; Dec. 31.
- Cutter chain. W. W. Sloane. 2,398,675; Apr. 16.
- Cutter for clothing. P. Katz. 2,401,831; June 11.
- Cutter for looms, Thread. R. G. Turner. 2,398,264; Apr. 9.
- Cutter for producing gears. E. Wildhaber. 2,392,278; Jan. 1.
- Cutter for ring grooving cutter heads. A. B. Taylor. 2,412,433; Dec. 10.
- Cutter for rotary plows, Spiral. J. P. Bagan. 2,410,003; Oct. 29.
- Cutter head, Rotary. C. T. Dare. 2,398,362; Apr. 16.
- Cutter teeth, Treating. R. W. Ashworth. 2,407,642; Sept. 17.
- Cutter tool assembly. J. A. Anania. 2,392,216; Jan. 1.
- Cutter tool locking mechanism. J. A. Anania. 2,392,217; Jan. 1.
- Cutting and creasing press. L. A. Whittaker and H. F. Peterson. 2,405,865; Aug. 13.
- Cutting and taponing machine, Pipe. G. H. Rosenboom. 2,407,101; Sept. 3.
- Cutting apparatus. W. J. Keller. 2,398,230; Apr. 9.
- Cutting apparatus, Contour. A. E. Hamilton. 2,401,422; June 4.
- Cutting apparatus, Metal. G. H. Hillstrom and W. E. Westland. 2,394,775; Feb. 12.
- Cutting device. F. W. Goodrich. 2,405,204; Aug. 6.
- Cutting device, Kerf. L. E. Simmons. 2,411,170-1; Nov. 19.
- Cutting machine. J. W. Brackett. 2,408,729; Oct. 8.
- Cutting machine. L. V. Lucia. 2,413,511; Dec. 31.
- Cutting machine. H. M. Morrow and V. O. Shelton. 2,397,974; Apr. 9.
- Cutting machine. H. A. and G. H. Wagner. 2,393,845; Jan. 29.
- Cutting machine. C. A. Wiken and H. V. Boehnke. 2,413,016; Dec. 24.
- Cutting machine, Can. C. E. Miller and D. H. Parker. 2,409,301; Oct. 15.
- Cutting machine, Circle. J. L. Anderson. 2,411,182; Nov. 19.
- Cutting machine, Fringe. W. A. Roberts. 2,397,047; Mar. 19.
- Cutting machine, Hatband. T. F. Lee and H. R. Ives. 2,412,780; Dec. 17.
- Cutting machine, Meat. G. J. Sellmeyer. 2,401,972; June 11.
- Cutting machine, Seed potato. L. A. Hawkins. 2,401,931; June 11.
- Cutting machine, Torch. A. F. Chouinard. 2,401,721; June 11.
- Cutting mechanism for molded plastics. J. Casalino. 2,392,459; Jan. 8.
- Cutting mechanism, Thread. F. Nell. 2,403,015; July 2.
- Cutting tip, Bevel. F. I. Hartung. 2,397,349; Mar. 26.
- Cutting tool. R. M. Carpenter. 2,413,544; Dec. 31.
- Cutting tool. C. O. Eklund. 2,399,727; May 7.
- Cutting tool. E. Greene and H. F. Pearson. 2,401,420; June 4.
- Cutting tool. J. A. Markstrum. 2,393,646; Jan. 29.
- Cutting tool. R. M. Maslin. 2,412,525; Dec. 10.
- Cutting tool. P. M. McKenna. 2,395,570; Feb. 26.
- Cutting tool. J. R. Raper. 2,392,001; Jan. 1.
- Cutting tool. L. A. Smith. 2,401,979; June 11.
- Cutting tool. J. Thompson. 2,400,856; May 21.
- Cuttings-conveyer mechanism. C. F. Osgood. 2,394,005; Feb. 5.
- Cuticle remover. A. D. Driscoll. 2,392,907; Jan. 15.
- Cutler. E. Echikson. 2,410,572; Nov. 5.
- Cyanine base, Organic. L. G. S. Brooker and R. H. Sprague. 2,393,743; Jan. 29.
- Cyanoacetals, Preparation of. D. J. Loder and W. M. Bruner. 2,395,757; Apr. 16.
- Cyanoalkenes, Production. G. C. Ray. 2,407,848; Sept. 17.
- Cyanoethylated products and preparation thereof. H. A. Bruson. 2,394,962; Feb. 12.
- Cyanogen. Manufacture of. B. S. Lacy, H. A. Bond, and W. S. Hinegardner. 2,399,361; Apr. 30.
- Cyanomethyl dialkyl orthoformates, Preparation of. D. J. Loder and W. F. Gresham. 2,409,699; Oct. 22.
- Cycle controlling device. W. R. Kovacs. 2,397,871; Apr. 2.
- Cycle controlling device. P. Van Sittert and W. R. Kovacs. 2,397,893; Apr. 2.
- Cycle, Heat. J. Kreitner and F. Nettel. 2,407,166; Sept. 3.
- Cyclic hydrocarbons, Manufacture of. W. J. Mattox. 2,404,914; July 30.
- Cyclic process for making butadiene. H. D. Kinsey, T. H. Kelly, and P. J. Ferrara. 2,393,381; Jan. 22.
- Cyclonite, Stabilized. M. H. Wahl. 2,411,604; Nov. 26.
- Cyclo-olefinic hydrocarbons and aromatic hydrocarbons, Production of. H. Pines and V. N. Ipatieff. 2,406,630-2; Aug. 27.
- Cycloparaffins from acyclic paraffins by an aluminum halide-hydrocarbon complex, Simultaneously isomerizing and separating. W. E. Ross and P. Pezzaglia. 2,409,390; Oct. 15.
- Cyclopentadiene resin, Preparation of. H. L. Gerhart. 2,392,140; Jan. 1.
- Cyclopentanes, Manufacture of. R. M. Hill and H. G. Gudet. 2,403,281; July 2.
- Cyclopentanopolycyclophenanthrene series and making same, Compounds of the. T. Reichstein. 2,409,798; Oct. 22.
- Cyclopentene from perylene, Separating. C. E. Welling. 2,402,282; May 28.
- Cyclopentene, Production of. H. J. Hepp. 2,412,936; Dec. 17.
- Cyclo-trimethylenetrinitramine, Preparation of. J. A. Wyler. 2,395,773; Feb. 26.
- Cyclo-trimethylenetrinitramine recovery. J. A. Wyler. 2,410,699; Nov. 5.
- Cylinder and head connection, Engine. G. N. Cole. 2,399,468; Apr. 30.
- Cylinder and piston. B. O. Austin. 2,392,449; Jan. 8.
- Cylinder and piston and producing a working seal there-between. J. Williams. 2,397,067; Mar. 19.
- Cylinder and reservoir, Master. L. E. La Brie. 2,405,093; July 30.
- Cylinder assembly. J. B. Parsons. 2,402,020; July 2.
- Cylinder construction. A. Kaltinsky. 2,408,427; Oct. 1.
- Cylinder construction. R. P. Pescara. 2,406,100; Apr. 20.
- Cylinder ends, Forming. J. J. Bednar and S. P. Peck. 2,408,596; Oct. 1.
- Cylinder, Flinned. W. H. Farr. 2,393,036; Jan. 15.
- Cylinder, Fluid actuated lock. B. N. Ashton and N. G. Kling. 2,393,662; Feb. 5.
- Cylinder grinding tool. W. F. Mitchell. 2,400,430; May 14.
- Cylinder head. C. F. Bachle. 2,395,712; Feb. 26.
- Cylinder head. A. V. D. Willgoos. 2,401,210; May 28.
- Cylinder head. A. V. D. Willgoos. 2,401,211; May 28.
- Cylinder head, Cushioned. L. O. Greeley. 2,402,887; June 25.
- Cylinder liner. E. L. Larson. 2,412,587; Dec. 17.
- Cylinder lock. G. E. Swanson. 2,405,911; Aug. 13.
- Cylinder structure for engines. B. S. Kratzer. 2,411,924; Dec. 3.
- Cylinder wash-up device. T. J. Kauffeld. 2,393,992; Feb. 5.
- Cylinders, Making air-cooled. A. Vang. 2,396,216; Mar. 5.
- Cylinders, Master. M. L. Masteller. 2,391,913; Jan. 1.
- Cylindrical grinding machine, Hydraulic. H. A. Silven. 2,396,892; Mar. 19.
- Cylindrical surface lapping machine. A. M. Drake. 2,399,477; Apr. 30.
- Cylindrical test gauge. J. G. Sisson. 2,392,617; Jan. 8.
- Cylindrical work stock, Rolling. T. V. Buckwalter and W. L. Scribner. 2,396,081; Mar. 5.
- Cymene production. W. J. Kirkpatrick. 2,402,898; June 25.
- d (+) alpha, gamma-dihydroxy-beta, beta-dimethylbutyric acid (hydroxy-alkyl)-amides and the manufacture of same. O. Schneider. 2,413,077; Dec. 24.
- D-rings for parachute harnesses, Retainer for. F. G. Manson. 2,411,381; Nov. 19.

- D-tubocurarine chloride, Producing substantially pure. J. T. Bashour. 2,409,241; Oct. 15.
- Dairy process. G. C. North and A. J. Alton. 2,392,401; Jan. 8.
- Dairy product. G. C. North and A. J. Alton. 2,399,565; Apr. 30.
- Dairy products, Treating. N. P. Christensen and R. E. Sturhahn. 2,400,454; May 14.
- Dam structure. E. D. del Castillo y Espanol. 2,407,952; Sept. 17.
- Dampener for lithographic printer. T. P. Brannigan, G. H. Raison, and W. H. Yoder. 2,395,654; Feb. 26.
- Dampener, Machine tool vibration. H. Ernst, D. A. Grieb, and M. Field. 2,412,499; Dec. 10.
- Dampener for struts, Variable pneumatic. W. F. Boldt. 2,405,733; Aug. 13.
- Dampener, Milling machine vibration. C. Herfurth. 2,393,907; Jan. 29.
- Dampening device, Antiknock or detonation. H. E. Crozier and A. C. H. Vanderpool. 2,407,478; Sept. 10.
- Dampening splice, Vibration. L. C. Torell and W. E. White. 2,406,270; Aug. 20.
- Damper. F. J. Kurth. 2,403,291; July 2.
- Damper control. E. J. Parsons. 2,409,064; Oct. 8.
- Damper control. E. J. Parsons. 2,411,834; Nov. 26.
- Damper, Fluid cooled. D. Dalin. 2,410,017; Oct. 29.
- Damper for airplane landing gear, Shimmy. E. A. Kops, D. S. Sanborn, and V. A. Johnson. 2,393,110; Jan. 15.
- Damper, Hydraulic surge. E. Koehler. 2,401,570; June 4.
- Damper indicator. L. C. Smith. 2,393,482; Jan. 22.
- Damper, Liquid type vibration. A. M. Rockwell. 2,411,000; Nov. 12.
- Damper structure. H. S. Hermanson. 2,400,044; May 7.
- Damper system for synchronous generators. R. Rudenberg. 2,411,002; Nov. 12.
- Damping arrangement for vehicle suspension systems. J. A. Petrie. 2,412,533; Dec. 10.
- Damping for electrical machines. L. A. Kilgore. 2,409,213; Oct. 15.
- Damping mechanism. R. E. Crooke. 2,405,017; July 30.
- Davenport, Bed. M. Nagels. 2,392,688; Jan. 8.
- Dead-front safety switch. W. G. Harlow, G. A. Healis, and D. B. Lamb. 2,404,237; July 16.
- Deaerator. J. R. McDermet. 2,393,393; Jan. 22.
- Deaerodizing aluminum and aluminum alloys, Composition for. J. Janota, Jr., and B. B. Button, Jr. 2,398,079; Apr. 9.
- Deaeromatizing and modifying hydrocarbons with hydrogen fluoride and boron trifluoride. R. E. Burk. 2,405,995; Aug. 20.
- Decarboxylated half esters of hydroxylated fatty oils and alpha unsaturated polycarboxylic acids. M. C. Agens and B. W. Nordlander. 2,404,204; July 16.
- Deceleration control apparatus. C. M. Hines and C. D. Stewart. 2,396,424; Mar. 12.
- Decelerometer apparatus. C. M. Hines. 2,393,375; Jan. 22.
- Decelerometer, Electric. C. M. Hines. 2,402,403; June 18.
- Decolorizing light oil fractions by selective hydrogenation. E. H. Smoker. 2,399,514; Apr. 30.
- Decolorizing oils and agents therefor. F. M. Sullivan. 2,408,454; Oct. 1.
- Decorating apparatus, Candy. A. F. Fredricksen. 2,405,879; Aug. 13.
- Decoration support. L. W. Weaver. 2,406,725; Aug. 27.
- Decorative bar pin. L. I. Levyn. 2,413,056; Dec. 24.
- Decorative illuminated device. A. Abramson. 2,412,379; Dec. 10.
- Decorative material, Composite. E. Karfol and W. A. Roehm. 2,392,594; Jan. 8.
- Decorating apparatus. K. Kaiser. 2,399,809; May 7.
- Decorating apparatus. K. Kaiser. 2,402,634; June 25.
- Decorating machine. J. S. Reeves. 2,404,457-8; July 23.
- Decoy, Mechanical. C. J. Rullison. 2,413,418; Dec. 31.
- Deep-drawing magnesium-base alloy. D. W. Watters. 2,396,218; Mar. 12.
- Deep hole molding, Method of and apparatus for. F. G. Purlton. 2,403,948; July 16.
- Defects in filled cans, Method and apparatus for detecting. R. G. Henszey and P. Smart. 2,400,507; May 21.
- Defense system. N. Herzmark. 2,403,694; Aug. 13.
- Definite-length adhesive tape dispenser. F. A. Smith. 2,407,300; Sept. 10.
- Deflecting circuit. M. W. Baldwin, Jr. 2,393,601; Jan. 29.
- Deflection circuits. L. C. Smith. 2,412,542; Dec. 10.
- Deflector and fin brace, Combined air. W. H. Francisco, Jr. 2,398,216; Apr. 9.
- Deflector and gun installation, Blast. N. Ivanovic. 2,402,632; June 25.
- Deflector for air circulating units. W. L. Kislign. 2,398,380; Apr. 16.
- Deflector, Insect. J. I. Hoag. 2,402,963; July 2.
- Defoamer, Flame. C. Z. Monroe. 2,398,189; Apr. 9.
- Defroster. M. L. Pacifico. 2,398,035; Apr. 9.
- Defroster for ice cube trays. R. H. Baker. 2,410,194; Oct. 29.
- Defroster, Refrigerator. C. J. Roach. 2,400,168; May 14.
- Defrosting arrangement. C. M. Ashby. 2,392,628; Jan. 8.
- DeKasser, Dough. G. N. Le Sage. 2,402,420; June 18.
- Degasser for internal combustion engines. M. Mallory. 2,395,748; Feb. 26.
- Degassifier. D. N. Ebert and A. W. Hogeland. 2,413,102; Dec. 24.
- Dehumidifying apparatus. T. K. Taft. 2,403,880; July 9.
- Dehydrating apparatus. W. A. Patrick, Jr., and J. D. Elder. 2,399,247; Apr. 30.
- Dehydrating in the frozen state, Method and apparatus for. K. C. D. Hickman. 2,402,401; June 18.
- Dehydrating mechanism, Glass block. J. E. Ferguson and C. W. McCreery. 2,402,387; June 18.
- Dehydrating method and apparatus. W. A. Patrick, Jr., and J. D. Elder. 2,399,246; Apr. 30.
- Dehydrating method and apparatus. W. A. Patrick, Jr. 2,399,504; Apr. 30.
- Dehydration of beets, Vacuum. R. M. Schaffner. 2,402,672; June 25.
- Dehydration of carrots, Vacuum. R. M. Schaffner. 2,402,679; June 25.
- Dehydration of corn, Vacuum. R. M. Schaffner. 2,402,678; June 25.
- Dehydration of green beans, Vacuum. R. M. Schaffner. 2,402,677; June 25.
- Dehydration of peas, Vacuum. R. M. Schaffner. 2,402,673; June 25.
- Dehydration of pork, Vacuum. R. M. Schaffner. 2,402,674; June 25.
- Dehydration of soybeans. R. M. Schaffner. 2,402,675; June 25.
- Dehydration process. J. E. Bludworth. 2,399,164; Apr. 30.
- Dehydrator. A. P. Nichols, Jr. 2,410,675; Nov. 5.
- Dehydrator. W. W. O'Neal and R. D. Williams. 2,409,787; Oct. 22.
- Dehydrator. G. H. Phelps. 2,410,129; Oct. 29.
- Dehydrator and hotbed, Combination sunlight and artificial heat. W. T. Schreiber. 2,399,696; May 7.
- Dehydrator, Grain. A. B. Welty. 2,410,851; Nov. 12.
- Dehydrator with removable trays. P. D. Kilbury. 2,412,407; Dec. 10.
- Dehydrochloric acid, Isolation of. R. H. Sifferd. 2,411,169; Sept. 19.
- Dehydrogenation of butylene and pentylene. W. D. Seyfried and S. H. Hastings. 2,401,973; June 11.
- Dehydrogenation of hydrocarbons. C. M. Thacker and R. T. Bell. 2,398,126; Apr. 9.
- Dehydrogenation process. C. L. Gutzeit. 2,408,139; Sept. 24.
- Dehydrogenations and isomerization of olefins. W. D. Seyfried and S. H. Hastings. 2,399,895; May 7.
- Delcer unloading valve. S. K. Lehman and M. L. Taylor. 2,405,362; Aug. 6.
- Delcing mechanism. H. N. Love. 2,399,648; May 7.
- Delcing or anti-icing means, Fan. E. P. Palmatier. 2,406,473; Aug. 27.
- Delcing valve. L. B. Read. 2,402,208; June 18.
- Delay system, Electron discharge time. G. L. Usselman. 2,402,472; June 18.
- Delayed-action release device. H. C. Grant, Jr., and W. M. Haessler. 2,393,985; Feb. 5.
- Delquifying means. E. L. Wiegand. 2,392,020; Jan. 1.
- Delivering and printing mechanism, Sheet. H. E. Seely. 2,405,373; Aug. 6.
- Delivering apparatus, Article. E. E. Lakso. 2,403,862; July 9.
- Delivery device, Liquid. E. Giger. 2,402,036; June 11.
- Delivery mechanism, Sheet. A. B. Woodruff. 2,406,936; Sept. 3.
- Delivery system for internal-combustion engines, Fuel. W. A. Yonkers. 2,411,312; Nov. 19.
- Delving machine. B. Farley. 2,410,969; Nov. 12.
- Demagnetizing. M. L. Mages. 2,397,497; Apr. 2.
- Demagnetizing apparatus. T. Zuschlag. 2,403,424; July 2.
- Demodulator. N. H. Young, Jr. 2,413,023; Dec. 24.
- Demodulator device for frequency and amplitude modulation. E. H. Lange. 2,395,413; Feb. 26.
- Demolition tool handle. M. O'Farrell and A. J. St. Louis. 2,400,207; May 14.
- Demounting apparatus. K. H. Emerson. 2,406,751; Sept. 3.
- Demulsification of hydrocarbons, Process and apparatus for the. W. B. Rhees. 2,400,713; May 21.
- Densitometer, Direct reading. M. H. Sweet. 2,406,716; Aug. 27.
- Dental deflasking mechanism. J. Lehner. 2,394,921; Feb. 12.
- Dental device. H. Barishman. 2,404,683; July 23.
- Dental diagnosis and office desk, Combination. L. M. Dahl. 2,398,923; Apr. 23.
- Dental precision bridge device. W. C. Rothkranz. 2,411,031; Nov. 12.
- Dental tool. C. Selzner. 2,399,834; May 7.
- Denture, Curing artificial. F. Allen. 2,395,241; Feb. 19.
- Denture packing. E. S. Mills. 2,410,453; Nov. 5.
- Deodorant can. J. Coyle. 2,412,128; Dec. 3.
- Deodorization. G. W. Phelps and H. C. Black. 2,407,416; Sept. 10.
- Depositor and applicator. L. S. Seidler. 2,401,585; June 4.

- Deposits from concrete, wood, and tile surfaces, Removing greasy. R. L. Reynolds and H. M. Rice. 2,403,612-13; July 9.
- Derivatives of alkyl phenols, Metal. C. F. Van Gilder and H. G. Schneider. 2,399,878; May 7.
- Derivatives of chloromethyl ethers of polyoxyethylene glycols and producing same. D. Gelter. 2,405,784; Aug. 13.
- Derivatives of resinous ethers of hydroxyaryl compounds. O. Albrecht, C. Graenacher, R. Salzmann, and C. Rossi. 2,405,806; Aug. 13.
- Derivatives of 6-amino-1,3-benzodioxan. H. Z. Lecher, J. P. Goulding, and R. P. Parker. 2,409,134; Oct. 8.
- Derivatives of the cyclopentanoperhydrophenanthrene series and making same. T. F. Gallagher and W. P. Long. 2,397,656; Apr. 2.
- Derivatives of the dialkyl ethane and di-ethyl ethane series and making the same. W. Schoeller, H. H. Inhoffen, K. Steinruck, and O. Hoss. 2,392,864; Jan. 15.
- Derivatives of 3-ketotetrahydrothiophene, Manufacture of substituted. A. W. d'Avignon, F. Bergel, and J. W. Haworth. 2,399,974; May 7.
- Dermatome. J. A. Jenney. 2,413,354; Dec. 31.
- Derrick, Portable. H. D. Hilborn. 2,403,081; July 2.
- Derrick, Portable. G. L. Loomis. 2,405,794; Aug. 13.
- Derrick, Portable. R. E. McCarthy and E. A. Bender. 2,413,149; Dec. 24.
- Desiccant. F. J. Ewing and R. A. Lovett. 2,409,263; Oct. 15.
- Desiccated virus vaccines and producing same. P. Matusczak. 2,399,443; Apr. 30.
- Desiccating apparatus. L. H. Zeun. 2,411,179; Nov. 19.
- Desiccation method and apparatus. N. V. Hayes and W. B. Humes. 2,406,682; Aug. 27.
- Desiccator unit. J. F. Riley. 2,396,474; Mar. 12.
- Desulfurization attachment. J. W. Paxton and I. R. Cornish. 2,401,182; May 28.
- Desk, Control. J. P. Houck. 2,394,062; Feb. 5.
- Desk pad holder. R. P. Magnenat. 2,396,381; Mar. 12.
- Desk set mounting. F. C. Hull. 2,403,083; July 2.
- Destroyer, Grass and weed. D. A. Caylor. 2,403,847; July 9.
- Desulphurization process. M. P. Matusczak and G. H. Morey. 2,399,496; Apr. 30.
- Desulphurizing. R. P. Heuer. 2,397,737; Apr. 2.
- Desulphurizing iron with molten calcium carbide. J. J. Crowe. 2,409,020; Oct. 8.
- Detachable can handle. B. Votaw. 2,396,479; Mar. 12.
- Detachable coupling. A. W. Miller. Re. 22,810; Nov. 5.
- Detachable cover. C. Blankenship. 2,395,840; Mar. 5.
- Detachable handle. A. Zuschlag. 2,400,800; May 21.
- Detachable luggage carrier. H. O. Striker. 2,401,388; June 4.
- Detachable plug. F. E. Tiffany. 2,396,901; Mar. 19.
- Detasseling machine. L. L. Dostal. 2,397,249; Mar. 26.
- Detecting and measuring radiant energy such as light, Method and apparatus for. E. F. Sarver. 2,392,003; Jan. 1.
- Detecting apparatus and method, Object. W. W. Hansen and R. H. and S. F. Varian. 2,406,371; Aug. 27.
- Detecting camouflage, Method of and apparatus for. R. B. Barnes. 2,394,508; Feb. 5.
- Detecting device. H. C. Hayes and S. L. Quimby. 2,395,699; Mar. 19.
- Detecting device, Electronic vibration. V. K. Zworykin and J. Hillier. 2,406,982; Sept. 3.
- Detecting device, Flame and temperature rise. A. Mathisen. 2,393,860; Jan. 29.
- Detecting irregularities of filaments, yarns and the like, Method and apparatus for. I. P. Denysen. 2,413,486; Dec. 31.
- Detecting network, Frequency. H. M. Stoller. 2,395,515; Feb. 26.
- Detecting system and apparatus. K. L. Coulter. 2,403,503; July 9.
- Detecting system, Obstacle. C. H. Brown. 2,410,424; Nov. 5.
- Detecting system, Obstacle. C. D. Tuska. 2,403,622; July 9.
- Detecting system, Sound. T. A. Read. 2,399,386; Apr. 30.
- Detection and control system, Remote. J. A. Bradley. 2,399,426; Apr. 30.
- Detection apparatus, Fluoroscopic. H. Siclar. 2,398,194-5; Apr. 9.
- Detection apparatus, Gas. W. H. Farr and W. F. Fagen. 2,400,923; May 28.
- Detection apparatus, Gas. H. J. D. McCollum. 2,400,940; May 28.
- Detection device, Mine. M. H. Loughnane. 2,404,266; July 16.
- Detection of the chemical composition of materials. C. F. Wallace. 2,396,934; Mar. 19.
- Detector. H. Harris, Jr. 2,397,961; Apr. 9.
- Detector and automatic stop device for textile machines, Fault. D. G. Scrantom. 2,400,961; Oct. 22.
- Detector and relaying system, Long-line fault. S. L. Goldsborough. 2,404,955; July 30.
- Detector and the like, Fire and smoke. K. O. Donellan. 2,408,051; Sept. 24.
- Detector, Angle modulated wave. G. C. Sziklai. 2,408,702; Oct. 1.
- Detector, Auto dash oil. A. Guerra. 2,402,394; June 18.
- Detector crystal. W. L. Carlson. 2,410,268; Oct. 29.
- Detector, Dentist's bite. R. A. De Rome. 2,411,194; Nov. 19.
- Detector for altimeters, Balanced. D. Blitz. 2,410,006; Oct. 29.
- Detector for altimeters, Balanced. W. R. Mercer and B. R. Cole. 2,410,122; Oct. 29.
- Detector for centimeter waves, Standing wave. N. I. Korman. 2,403,289; July 2.
- Detector for sheet material, Flow. C. Stevens. 2,392,010; Jan. 1.
- Detector for tubing, Flaw. H. C. Drake. 2,409,554; Oct. 15.
- Detector, Ground. E. Monori and C. B. Myhre. 2,409,885; Oct. 22.
- Detector mechanism, Rail flaw. H. C. Drake. 2,409,553; Oct. 15.
- Detector, Phase modulation. M. G. Crosby. 2,397,840-1; Apr. 2.
- Detector, Radiation. D. G. C. Hare. 2,397,071-2; Mar. 19.
- Detector, Radiation. D. G. C. Hare. 2,397,661; Apr. 2.
- Detector, Radiation. D. G. C. Hare and G. Herzog. 2,397,073-5; Mar. 19.
- Detector, Radiation. D. G. C. Hare. 2,398,934; Apr. 23.
- Detector, Regenerative detonation. K. R. Eldredge and V. Davis. 2,404,569; July 23.
- Detector, Resistance type. H. Wolfson and S. C. Shepard. 2,413,021; Dec. 24.
- Detector, Submarine. H. A. D. Lindsey. 2,404,806; July 30.
- Detector, Submarine. A. Wikstrom. 2,397,995; Apr. 9.
- Detector system, Frequency change. N. E. Lindblad. 2,402,421; June 18.
- Detector using reflected radio waves, Submarine and ship. R. B. Smith. 2,402,459; June 18.
- Detent. C. I. Phelps. 2,397,981; Apr. 9.
- Detent mechanism. G. C. Webster. 2,407,696; Sept. 17.
- Detergent. H. H. Young and K. H. Spitzmueller. 2,394,834; Feb. 12.
- Detergent and resulting product, Forming separable bar of. J. W. Bodman and F. F. Pease. 2,400,871; May 28.
- Detergent briquette. J. D. MacMahon. 2,412,819; Dec. 17.
- Detergent composition. W. B. Hicks and D. J. Saunders. 2,404,289; July 16.
- Detergent composition. O. Lind. 2,396,278; Mar. 12.
- Detergent composition. D. J. Loder. 2,395,871; Mar. 5.
- Detergent composition. M. J. Myres. 2,402,657; June 25.
- Detergent composition. J. C. Showalter. 2,392,779; Jan. 8.
- Detergent composition. F. J. Soday. 2,404,003-4; July 16.
- Detergent composition and preparing same. F. C. Bersworth. 2,412,945; Dec. 24.
- Detergent composition for use in hard water. F. C. Bersworth. 2,412,943; Dec. 24.
- Detergent composition, Phosphoric acid. C. P. Given. 2,413,495; Dec. 31.
- Detergent composition, Preparing a. E. S. Garverich and W. L. Martin. 2,411,090; Nov. 12.
- Detergent composition, Producing a. F. C. Bersworth. 2,412,944; Dec. 24.
- Detergent having improved hardware characteristics, Saponaceous. H. H. Kroil and M. Weisberg. 2,404,298; July 16.
- Detergent in bar form and making same, Synthetic organic nonsoap. J. W. Bodman. 2,407,647; Sept. 17.
- Detergents, Manufacture of. L. H. Flett. 2,394,851; Feb. 12.
- Deterging, wetting, and emulsifying compositions. H. H. Kroil. 2,404,297; July 16.
- Determining the position of an object in space, System for. H. M. Lewis. 2,406,953; Sept. 3.
- Determining unit, Frequency. K. K. Garrison. 2,399,919; May 7.
- Detonator clamp. G. A. Tinnerman. 2,405,912; Aug. 13.
- Detonator loading press. A. H. Grover. 2,395,046; Feb. 19.
- Detonator or blasting cap. W. M. Cobb. 2,400,103; May 14.
- Detonator-retaining clip. F. H. Rolles. 2,398,857; Apr. 23.
- Developer and fixer, Combined. R. J. King. 2,397,016; Mar. 19.
- Developer, Photographic. F. R. Bean. 2,407,600; Sept. 10.
- Developing apparatus, Film. A. M. Jankoski. 2,402,250; June 18.
- Developing mechanism, Continuous. P. B. Streich. 2,397,763; Apr. 2.
- Developing rack. H. Millman. 2,402,765; June 25.
- Development and layout instrument. G. J. Henjum. 2,407,368; Sept. 10.
- Device and system for the braking of vehicles. R. L. Levy. 2,406,304; Aug. 20.
- Device applicable for bookkeeping-calculating and similar machines. R. Anschütz and E. H. Kimmel. 2,392,515; Jan. 8.
- Device facilitating walking on mud. H. Scott-Paine and A. W. Hall. 2,412,474; Dec. 10.
- Device for adjustably spacing members. D. H. Rogers and V. Schilha. 2,398,721; Apr. 16.

- Device for adjusting objectives of different focal lengths in cameras. H. Brethauer. 2,401,134; May 28.
- Device for adjusting or tuning to close limits. S. Y. White. 2,399,700; May 7.
- Device for adjusting the pitch of air propellers. R. Prause. 2,404,743; July 23.
- Device for adjusting to close limits, Spacing. S. Y. White. 2,399,702; May 7.
- Device for aircraft, Automatic steering. A. Kronenberger. 2,401,168; May 28.
- Device for and method of extinguishing phosphorescence. H. W. Levensz. 2,402,758; June 25.
- Device for annealing leers, Transferring. G. W. Herrold. 2,407,664; Sept. 17.
- Device for atomizing certain chemicals and oils for the production of dry oil steam for signaling. J. G. Rankin. 2,404,812; July 30.
- Device for automotive vehicles, Free-wheeling. M. Malory. 2,408,566; Oct. 1.
- Device for building up illustrations. E. Herz. 2,393,772; Jan. 29.
- Device for carnivals, Amusement. G. C. Brown. 2,405,108; Aug. 6.
- Device for carrying children. W. A. and B. A. Hancock. 2,411,721; Nov. 26.
- Device for circular sewing. E. G. McLellan, C. A. Fischer, and W. Edelman. 2,393,050; Jan. 15.
- Device for cleaning floors. E. A. Beyer. 2,405,811; Aug. 13.
- Device for combing warp threads and tightening the weft thread in a circular weaving loom. H. Pelcé. 2,398,956; Apr. 23.
- Device for conforming a shoe upper to the shape of a last. M. Spack. 2,409,721; Oct. 22.
- Device for control valves, Adjusting. J. J. Durrett. 2,404,881; July 30.
- Device for counting of paper leaves, made up into packets. A. E. Rosswall. 2,393,814; Jan. 29.
- Device for demountable punches, dies, and the like. A. G. Gullberg. 2,393,986; Feb. 5.
- Device for derricks and jib cranes, Conical type level luffing. R. Goodman and H. J. Jacoby. 2,401,238; May 28.
- Device for determining electrically the position of objects. F. Turrettini. 2,401,712; June 4.
- Device for determining the deflection of rotating bodies. E. A. Forsberg. 2,403,513; July 9.
- Device for determining the deflection of rotating bodies. G. W. Ruda. 2,403,554; July 9.
- Device for distributor vacuum control, Wear compensating. G. J. Worcl. 2,396,909; Mar. 19.
- Device for dredging gravel or the like. K. von Hagen. 2,410,765; Nov. 5.
- Device for dressing grinding disks. A. Rickenmann. 2,407,577; Sept. 10.
- Device for electrical connectors, Locking. J. F. O'Brien. 2,406,030; Aug. 20.
- Device for enciphering telegraph signals, Key tape. T. A. McCann. 2,406,024; Aug. 20.
- Device for exchangeably mounting tools. E. Gfeller. 2,398,222; Apr. 9.
- Device for exerting a constant returning torque on a rotatively movable unit. C. H. H. Rodanet. 2,398,448; Apr. 16.
- Device for facing the slide valve seat of triple valves. J. R. Ricketts. 2,402,775; June 25.
- Device for film feeding mechanisms, Antibuckling. J. P. Corcoran. 2,406,136; Aug. 20.
- Device for finding selvages on woven fabrics. A. Moesinger. 2,399,850; May 7.
- Device for forming slits. A. A. Gradisar. 2,408,512; Oct. 1.
- Device for freezing foods. H. V. Kleist. 2,405,834; Aug. 13.
- Device for furnaces, Safety shutoff. M. S. Czolgosz. 2,397,474; Apr. 2.
- Device for generating electricity, Wind-operated. S. P. Stein. 2,403,564; July 9.
- Device for grinding and polishing surfaces. R. Hayward. 2,399,924; May 7.
- Device for guiding shuttles on circular weaving looms. H. Pelcé. 2,398,957; Apr. 23.
- Device for gummed cigarette papers, Moistening. G. Zint. 2,405,804; Aug. 13.
- Device for hand stamps or the like, Locating. J. G. D. Manwaring. 2,402,651; June 25.
- Device for high-frequency radio circuits, Stable tuning. C. T. Martowicz. 2,394,391; Feb. 5.
- Device for holding shoe uppers in lasted position. C. A. Robinson. 2,394,204; Feb. 5.
- Device for impregnating filamentary packages with liquids. A. B. Richardson and D. C. Thompson. 2,405,520; Aug. 6.
- Device for indicating the slope of grain of structural lumber. L. W. Smith. 2,398,972; Apr. 23.
- Device for indicating the unauthorized operation of registers. W. A. Kennedy and B. A. Southerland. 2,411,273; Nov. 19.
- Device for infants' vehicles, Antitipping. A. J. Flynn, Jr. 2,402,322; June 18.
- Device for internal-combustion engines, Fuel Injection. J. B. Mallin. 2,413,111; Dec. 24.
- Device for lathes, Centering. P. J. Beedle. 2,397,773; Apr. 9.
- Device for launching and retrieving boats. C. G. Albert. 2,398,274; Apr. 9.
- Device for lids of cans and the like, Scoring. B. Walensky. 2,401,208; May 28.
- Device for liquid containers, Overflow. M. D. Riker. 2,405,849; Aug. 13.
- Device for liquid treatment of filamentary material. H. J. McDermott and R. W. Stanley. 2,413,413; Dec. 31.
- Device for loading revolver chambers simultaneously. W. V. Baucus. 2,398,904; May 7.
- Device for lubricating monotype keyboards. L. G. Bakal. 2,406,661; Aug. 27.
- Device for maintaining film loops. C. L. Nelson. 2,407,795; Sept. 17.
- Device for making butter curls or butter rolls. T. Bauman. 2,395,797; Mar. 5.
- Device for manipulating account forms in rotary office machines. G. Prezioso. 2,411,335; Nov. 19.
- Device for manufacturing thin-walled containers open at one end. J. Keller. 2,412,813; Dec. 17.
- Device for measuring alternating currents. S. A. Holmgvist. 2,393,775; Jan. 29.
- Device for measuring changes of distance between two relatively movable parts. I. Benko. 2,406,793; Sept. 3.
- Device for measuring high-frequency power. W. E. Bradley and N. Johnson. 2,410,706-7; Nov. 5.
- Device for measuring impedances. P. S. Christaldi. 2,409,619; Oct. 15.
- Device for measuring length of a line run into or removed from a bore hole. R. C. Mason. 2,401,576; June 4.
- Device for measuring low direct voltages. C. Dorsman. 2,406,445; Aug. 27.
- Device for measuring mechanical acceleration by electrical means. R. Keller. 2,401,163; May 28.
- Device for measuring pressure of the spinal fluid. P. V. Thompson. 2,396,351; Mar. 12.
- Device for minimizing curvature of film in cameras. A. Simmon and L. L. Weisglass. 2,395,590; Feb. 26.
- Device for motor vehicles, Stack releasing. A. J. Scaife. 2,395,909; Mar. 5.
- Device for mounting engine hoods on motor vehicles. E. Hitzberger. 2,410,734; Nov. 5.
- Device for oiling filers. H. McC. Adams. 2,409,523; Oct. 15.
- Device for overvoltage, Counting. P. Fehr. 2,405,121; Aug. 6.
- Device for peeling agricultural products. G. T. Hemmeter. 2,403,923; July 16.
- Device for peeling citrus fruit. H. Singer. 2,396,444; Mar. 12.
- Device for pile-driver monkeys, Regulating. P. Pfeiffer. 2,392,061; Jan. 1.
- Device for positive fluid action, Rotary. W. Bejeuhr. 2,413,209; Dec. 24.
- Device for power-operated machines, Safety. R. B. Woodcock. 2,401,808; June 11.
- Device for preparing messages for facsimile transmission. A. E. Thompson and R. D. Salmon. 2,407,304; Sept. 10.
- Device for pressure carburetors, Fuel proportioning. S. S. Fox and R. C. Palmer, Jr. 2,399,480; Apr. 30.
- Device for pressure fluid controlled prime movers, Regulating. A. Leyer. 2,404,963; July 30.
- Device for prevention of vapor lock in gasoline lines and the like. A. F. Carpenter. 2,403,578; July 9.
- Device for producing aerosols. L. D. Goodhue. 2,412,728; Dec. 17.
- Device for producing ornamental and decorative bubble lighting effects. J. Petry. 2,412,171; Dec. 3.
- Device for projectiles, Safety. P. H. Field. 2,402,276; June 18.
- Device for purifying oxygen and the like. J. K. Hamilton. 2,398,850; Apr. 23.
- Device for radiation of radio waves. W. H. McCurdy and J. A. Hutcheson. 2,413,187; Dec. 24.
- Device for raising toilet seats. B. P. Zulkoski. 2,410,854; Nov. 5.
- Device for refrigerating apparatus, Spacing and positioning. J. A. Smith. 2,412,756; Dec. 17.
- Device for releasing heavy objects particularly for dropping bombs from aircraft. W. Swiatecki. 2,394,571; Feb. 12.
- Device for removing particle deposits from gas purifying apparatus associated with gas generators. K. T. Külle. 2,409,211; Oct. 15.
- Device for retarding the disengagement of automatic machines. A. Bechler. 2,405,635; Aug. 13.
- Device for return headers, Supporting. J. E. Donahue and L. W. Schrader. 2,412,568; Dec. 17.
- Device for roasting poultry and the like. E. G. Danilla. 2,404,166; July 16.
- Device for roller curtains, Counterweight. L. Sorrentino. 2,413,471; Dec. 31.
- Device for rotating rounds. S. C. Hurley, Jr. 2,408,170; Sept. 24.
- Device for rotogravure cylinders, Etching. H. C. Alger. 2,399,534; Apr. 30.
- Device for safety headgear, Suspension. A. J. Ruggiero. 2,398,561; Apr. 16.

- Device for salvage of ships by compressed air. G. Hant-jepoulos. 2,405,649; Aug. 13.
- Device for secret communication. R. E. Mathes. 2,402,067; June 11.
- Device for securing tires to the rim of vehicle wheels. M. L. Shuler. 2,398,472; Apr. 16.
- Device for selection of articles of wearing apparel. F. R. Grand-Jean. 2,406,495; Aug. 27.
- Device for separating improperly oriented articles. A. A. McCoy and G. L. Neumann. 2,398,320; Apr. 8.
- Device for sewing machines. Automatic stop. W. A. Behrens. 2,400,529; May 21.
- Device for sewing machines. Head elevating. C. E. Colegrove. 2,398,696; Apr. 16.
- Device for skip cars. Safety. C. M. Quay. 2,401,150; May 28.
- Device for slicing butter or the like. L. Livadas. 2,405,311; Aug. 6.
- Device for sorting, dehydrating, or washing of suspensions of fibrous materials. K. O. Lindgren. 2,406,618; Aug. 27.
- Device for spinning frames. Slubbing. J. R. Tennant. 2,400,663; May 21.
- Device for stamping presses. Safety. R. L. Aulenback. 2,413,282; Dec. 31.
- Device for storage cabinets. Interlocking. J. Maudel. 2,392,287; Jan. 1.
- Device for supplying a predetermined amount of liquid. C. B. Holm. 2,402,329; June 18.
- Device for supplying starting fuel. Bo N. Hoffström. 2,402,964; July 2.
- Device for supporting packaged articles and the like. A. Ellersgaard. 2,395,176; Feb. 19.
- Device for switching-in and disconnecting signal apparatus. O. Tschumi. 2,394,275; Feb. 5.
- Device for tampon applicators and the like. Tube beading. J. R. McLaughlin. 2,394,557; Feb. 12.
- Device for teaching dancing. T. G. Williams. 2,402,109; June 11.
- Device for tensioning moving cords or strips. A. Moesinger. 2,398,547; Apr. 16.
- Device for testing light polarizing elements. J. R. Benford. 2,412,074; Dec. 3.
- Device for textile machines. Yarn tensioning. F. Lambach and W. Siegel. 2,393,995; Feb. 5.
- Device for the hydraulic transmission of power. G. Althoff. 2,400,622; May 21.
- Device for the setting of blanking and forming dies in presses. A. Besag. 2,396,814; Mar. 19.
- Device for the transformation of mathematical functions. F. J. S. Enger and A. Parschin. 2,402,321; June 18.
- Device for timepieces. Tight winding. J. A. Boninchi. 2,402,087; July 30.
- Device for travelers. Portable refrigerating. L. W. Clerc. 2,399,787; May 7.
- Device for treating filamentary material. C. de Brabander. 2,402,609; June 25.
- Device for tuning or adjusting to close limits. S. Y. White. 2,399,701; May 7.
- Device for unloading packaged merchandise. P. Jessen. 2,412,155; Dec. 3.
- Device for use with helically-wound coils. A. V. Nichol. 2,406,961; Sept. 3.
- Device for use with internal-combustion prime movers. Liquid fuel supply. R. J. Ifield. 2,406,296; Aug. 20.
- Device for vacuum filtration. P. Schlumbohm. 2,409,226; Oct. 15.
- Device for vacuum sealing containers. E. B. Hughes. 2,406,771; Sept. 3.
- Device for vacuum tubes. Supporting. R. B. Hoffman. 2,391,901; Jan. 1.
- Device for viewing underwater bodies. E. R. F. Johnson. 2,396,297; Mar. 12.
- Device for washing and conditioning air and gases. J. Weits. 2,409,088; Oct. 8.
- Device for winding machines. Bobbin-identifying. R. L. Chisholm. 2,393,973; Feb. 5.
- Device to aid teaching of automatic radio compass. J. Levine and R. E. Wells. 2,404,386; July 23.
- Device to prevent the human bladder from spilling over while asleep and to correct the bed-wetting habit. A. A. Lewis. 2,396,516; Mar. 12.
- Dyeless for marking fabrics. G. C. E. Keet. 2,404,638; July 23.
- Devolatilizer. Coal. A. F. Howe. 2,406,077; Aug. 20.
- Dewaxing, Two-stage deoiling. V. N. Jenkins. 2,397,868; Apr. 2.
- Dextran, Production of gum. W. L. Jr., and W. L. Owen. 2,392,258; Jan. 1.
- Dicyanoxymethylene guaiacol. E. A. Peterson. 2,392,801; Jan. 8.
- Dicylates, Preparation of acrolein. J. H. Brant and F. R. Konklm. 2,393,740; Jan. 29.
- Dial. S. E. Butler. 2,408,042; Sept. 24.
- Dial and pointer apparatus. D. C. Howard. 2,400,553; May 21.
- Dial and pointer. Illuminated. G. K. C. Hardesty. 2,410,064; Oct. 29.
- Dial. Clock. R. H. Ramsay. 2,395,643; Feb. 26.
- Dial head unit for weighing and recording scales. O. S. Carless. 2,411,521; Nov. 26.
- Dial, Illuminated clock. E. L. Boeck. 2,402,014; June 11.
- Dial telephone lock. A. E. Feldman. 2,397,954; Apr. 9.
- Dials, Instrument. R. White. 2,397,175; Mar. 26.
- Dials, Production of luminescent. S. Isenberg and R. Hultgren. 2,395,185; Feb. 19.
- Dialysis solutions. Process and apparatus for. J. Zender. 2,411,238; Nov. 19.
- Dialkylaminopropanol esters of benzoic acid. R. B. Holmes and A. J. Hill. 2,399,736; May 7.
- Dialkyl benzenes. Isomerizing. E. D. Reeves. 2,403,757; July 9.
- Diallyl phthalate. Making. J. K. Magrane, A. R. Esterly, and R. F. Davies. 2,405,842; Aug. 13.
- Diallytically separating mixtures of substances. Methods and apparatus for. R. Signer. 2,405,456; Aug. 6.
- Dialyzer. F. K. Daniel and J. L. Hutchings. 2,399,471; Apr. 30.
- Diamidines. A. J. Ewins. 2,395,471; Feb. 26.
- Diamines. Preparation of. H. G. Johnson. 2,408,172; Sept. 24.
- Diamino-*n*-alkyl phenazinium salts. L. G. S. Brooker and H. W. J. Cressman. 2,400,872; May 28.
- Diamond and making the same. O. V. Lindqvist and F. D. Martin. 2,410,512; Nov. 5.
- Diamond cutting machine. H. Kershaw. 2,391,979; Jan. 19.
- Diamond drill bit. O. V. Lindqvist. 2,401,087; May 28.
- Diamond tool. S. V. Hoagberg. 2,395,662; Feb. 26.
- Diamonds or other abrasive. Setting. A. Lidén and O. Malmgren. 2,396,015; Mar. 5.
- Diaper container. H. C. Hodson. 2,411,430; Nov. 19.
- Diaphragm. W. N. Tuttle. 2,405,472; Aug. 6.
- Diaphragm adjusting mechanism. J. Bolsey. 2,397,915; Apr. 9.
- Diaphragm, Carburetor. A. J. Jennings. 2,405,038; July 30.
- Diaphragm control. H. R. Long. 2,406,550; Aug. 27.
- Diaphragm-engaging ring. L. R. Burroughs. 2,396,825; Mar. 19.
- Diaphragm, Making. L. R. Burroughs. 2,396,824; Mar. 19.
- Diaphragm mechanism for projection lenses. Iris. G. K. Czarnikow. 2,411,777; Nov. 26.
- Diaphragm pump. E. H. Herbert. 2,399,803; May 7.
- Diaphragm pump. I. O. McMillan. 2,407,792; Sept. 17.
- Diaryl guanidine addition products. A. R. Davis. 2,409,109; Oct. 8.
- Dialarylguanidine thiazole formaldehyde complex and making the same. A. R. Davix. 2,412,801; Dec. 17.
- Diazine compounds. J. M. Sprague. 2,407,966; Sept. 17.
- Diazine derivative. Preparing a. G. F. D'Alleio and J. W. Underwood. 2,403,790; July 9.
- Diazomino compounds and printing pastes. E. G. West. 2,396,357; Mar. 12.
- Diazo compounds, Cyclic. J. B. Dickey and J. G. McNally. 2,402,611; June 25.
- Diazodiphenol. Manufacture of. F. M. Garfield and H. W. Dreher. 2,408,059; Sept. 24.
- Diazotized 2,4-dinitro-6-halogen aniline. Preparation of. D. L. Tchorini and G. S. Watson. 2,404,893; July 30.
- Di-*n*-alkenyl ethers to alkadienes and alkali metal alkylates. Conversion of. H. Dreyfus, F. Bryans, and J. G. N. Howell. 2,413,507; Dec. 31.
- Dicarboaniline dyes. J. D. Kendall and H. D. Edwards. 2,412,815; Dec. 17.
- Dichloroethane. Manufacture of. J. A. S. Hammond. 2,393,367; Jan. 22.
- Dichlorides of the ethylene series. J. R. Heard, Jr. 2,403,977; July 16.
- Dichloroformate preparation. F. Strain. 2,397,630; Apr. 2.
- Dicyandiamide-aliphatic ketone condensation product. A. F. MacLean. 2,402,061; June 11.
- Dicyanodiamide-ammonia condensation products and making same. J. Treboux. 2,405,863; Aug. 13.
- Dicyclic dihydrotarpenes to cyclopentene hydrocarbons and pentaethylene hydrocarbons. Conversion of. V. N. Apatielt and H. Pines. 2,399,741; May 7.
- Di-cyclohexyl amine salt of acid phosphate di-esters. H. G. Smith and T. L. Cantrell. 2,403,763; July 9.
- Dicyclopentadiene. Purifying. H. L. Gerhart and L. M. Adams. 2,397,601; Apr. 2.
- Die. See Wire drawing die.
- Die. C. D. Davidson. 2,413,547; Dec. 31.
- Die. J. S. Nielsen. 2,402,836; June 25.
- Die. R. Salazar. 2,394,876; Feb. 12.
- Die. Adjustable. E. L. Ramstedt. 2,411,291; Nov. 19.
- Die and mount assembly. Forging. F. H. Wyman and J. M. Malk. 2,408,542; Oct. 1.
- Die and removing molded articles therefrom. Molding. E. Gronemeyer. 2,404,631; July 23.
- Die casting apparatus. G. L. Cherry and C. C. Veale. 2,395,588; Jan. 29.
- Die for extruding organic plastics. Longitudinal slipper. J. Bailey and H. A. Pratt. 2,399,615; May 7.
- Die holder. F. Judge. 2,401,305; June 4.
- Die, Metal drawing. F. Anderson. 2,395,651; Feb. 26.
- Die set. A. Grunow. 2,405,825; Aug. 13.
- Die set and manufacture thereof. K. Janiszewski. 2,399,188; Apr. 30.

- Diastock. H. O. Olsen. 2,395,753; Feb. 26.
Die with variable contour, Cutting. S. Aszara. 2,411,016; Nov. 12.
Dieing out machine. G. F. Ryan. 2,401,800; June 11.
Dies, Cooling means for air hammer. G. C. Whitman. 2,402,794; June 25.
Dies for the injection molding of plastics, Making. E. G. Touceda. 2,397,168; Mar. 26.
Dies from powdered metallurgy, Producing. L. H. Morin. 2,413,512; Dec. 31.
Dies, Making. F. W. Terhaar. 2,402,788; June 25.
Dielectric and insulating composition. F. M. Clark. 2,410,714; Nov. 5.
Dielectric composition. M. Baer. 2,403,205; July 2.
Dielectric composition and making same. M. Baer. 2,403,206; July 2.
Dielectric fluids. P. M. Gross, M. Hobbs, and C. K. Bradsher. 2,394,442; Feb. 5.
Dielectric material. J. N. Detrick. 2,394,670; Feb. 12.
Dielectric material and making same. E. Wainer. 2,394,030; Feb. 5.
Dielectric shapes, Manufacture of. G. Smolak. 2,407,520; Sept. 10.
Diene dimer. T. F. Doumani and R. Deery. 2,401,414; June 4.
Dienes, Preparation of conjugated. T. F. Doumani and R. Deery. 2,409,259; Oct. 15.
Diesel engine. N. G. Baker. 2,412,028-9; Dec. 3.
Diesel engine and operating same. C. N. Guerasimoff. 2,408,394; Oct. 1.
Dietary supplement and making, Vitamin and mineral. C. N. Andersen. 2,410,417; Nov. 5.
Diethers of the glycols, Preparation of. C. E. Staff. 2,397,514; Apr. 2.
Diethyl stilbestrol compounds, Synthesis of. M. R. Salmon and M. Rubin. 2,393,570; Jan. 22.
Differential convertible gasoline-Diesel engine. L. N. Miller. 2,405,596; Aug. 13.
Differential coupling arrangement. M. Fuchs. 2,397,543; Apr. 2.
Differential locking means. E. T. Barron. 2,409,729; Oct. 22.
Differential, Positive drive. N. C. Bement. 2,405,732; Aug. 13.
Differential pressure across valves, Maintaining constant. R. P. Moore. 2,396,962; Mar. 19.
Differential pressure gauge. R. Beck. 2,403,256; July 2.
Differential pressure responsive device. B. Jones. 2,400,048; May 7.
Differential speed responsive device. H. M. McCoy. 2,399,655; May 7.
Diffraction grating tool. R. D. Doner. 2,404,222; July 16.
Diffuser. J. W. Ridgway. 2,399,826; May 7.
Diffusing projector lamp. R. E. Smith. 2,394,495; Feb. 5.
Digester unit. J. J. De La Roza, Sr. 2,410,964; Nov. 12.
Digging, Post-hole. L. J. Beverink. 2,403,041; July 2.
Digging attachment for tractors, Post hole. T. T. Lamme. 2,410,508; Nov. 5.
Digging machine, Trench. A. C. Howard. 2,403,367; July 2.
Dihaloalkanes and related products, Preparation of. W. F. Gresham. 2,405,948; Aug. 20.
Dihydric alcohols, Recovery of. M. Senkus. 2,406,718; Aug. 27.
Dihyroidimidazoles, Substituted. L. P. Kyrides. 2,392,326; Jan. 8.
Dihydroisophenyl thiocarbonyl esters and compositions containing same. P. H. Williams. 2,394,280; Feb. 5.
Dihydrondicyclopentadienyl ethers of hydroxycarboxylic acid esters. H. A. Bruson. 2,400,873; May 28.
Dihydrondicyclopentadienyl ethers of nitro alcohols. H. A. Bruson. 2,393,611; Jan. 29.
Dihydrondicyclopentadienyl mono-ethers of polyhydric alcohols. H. A. Bruson. 2,393,609; Jan. 29.
Dihydrondicyclopentadienyl isothiocyanates. H. A. Bruson. 2,395,642; Feb. 26.
Dihydroquinoline condensation product. C. F. Gibbs. 2,400,500; May 21.
Diketones and related products from technical liquors containing diketones, Recovery of. D. S. Calder and K. B. Fleer. 2,401,335; June 4.
Dilatometer structure. H. W. Dietert. 2,409,669; Oct. 22.
Dilution system, Automatic. L. T. Miller. 2,408,265; Sept. 24.
Dimension gauge. J. B. Hall. 2,410,877; Nov. 12.
Dimension testing gauge. S. Wilkinson and A. Green. 2,410,697; Nov. 7.
Dimensional picture, Three. M. A. Knauff. 2,404,136; July 16.
Dimpling tool. R. A. Hawn and I. W. Lacher. 2,400,412; May 14.
Dinitro compounds and preparation thereof, Unsaturated. R. M. Nygaard and T. T. Noland. 2,396,282; Mar. 12.
Dinitroethyleneurea, Making. G. V. Caesar and M. Goldfrank. 2,400,288; May 14.
Diolefin isomers, Separation of conjugated. D. Craig. 2,403,054; July 2.
Diolefin preparations. F. E. Frey. 2,396,416; Mar. 12.
Diolefines sulphones, Preparation of. G. W. Hooker, L. R. Drake, and S. C. Stone. 2,402,891; June 25.
Diolefinic hydrocarbons by reaction of an alcohol with an acetylenic hydrocarbon, Production of. V. N. Ipatieff and H. Pines. 2,410,445; Nov. 5.
Diolefins by azeotropic distillation, Separation of. T. W. Evans, R. C. Morris, and E. C. Shokal. 2,408,922; Oct. 8.
Diolefins, Concentration of. J. W. Packie and W. S. Craft. 2,411,588; Nov. 26.
Diolefins from hydrocarbon mixtures, Separation of. W. A. Schulze and G. H. Short. 2,401,114; May 28.
Diolefins, Manufacture of. F. E. Frey. 2,402,277; June 18.
Diolefins, Manufacture of. J. P. Jones. 2,396,854; Mar. 19.
Diolefins, Producing. M. P. Matuszak. 2,394,625; Feb. 12.
Diolefins, Producing and concentrating. F. E. Frey and R. D. Snow. 2,407,825; Sept. 17.
Diolefins, Production of. J. P. Jones. 2,401,872; June 11.
Diolefins, Treatment of. J. D. Upham. 2,399,837; May 7.
Dioxolane, Modified polymers of. D. J. Loder and W. F. Gresham. 2,394,532; Feb. 12.
Dioxolane polymers, Preparation of. W. F. Gresham. 2,396,265; Feb. 19.
Diphenylamine azo dyestuffs. R. P. Parker, and C. M. Hoffman. 2,392,181; Jan. 1.
Di-*p*-isobutyl sebacate. G. Kesslin and L. Nicholl. 2,403,804; July 9.
Dipper trip mechanism. R. A. Beckwith. 2,395,031; Feb. 19.
Direct current saturated inductance with relay action. U. Lamm. Re. 2,2708; June 25.
Direct fired unit heater. A. A. Olson. 2,404,592; July 23.
Direct reading sound pressure meter. F. M. Wiener and R. L. Wallace, Jr. 2,393,309; Feb. 19.
Direction-controlling mechanism for guns. G. P. S. Cross. 2,407,871; Sept. 17.
Direction determining system. E. E. Turner, Jr. 2,407,330; Sept. 10.
Direction finder. G. S. Burroughs. 2,406,798; Sept. 3.
Direction finder. L. E. Norton. 2,398,551-2; Apr. 16.
Direction finder, Electronic rotation. H. G. Busignies. 2,408,039; Sept. 24.
Direction finder, Instantaneous visual. H. G. Busignies. 2,408,041; Sept. 24.
Direction finder, Phase type direct indicating. M. K. Goldstein. 2,405,203; Aug. 6.
Direction finder, Radiated-signal. J. K. Johnson and H. A. Wheeler. 2,407,281; Sept. 10.
Direction finder, Radio. P. C. Sandretto and E. P. Buckthal. 2,406,406; Aug. 27.
Direction finder receiver, Distorting. H. G. Busignies. 2,408,040; Sept. 24.
Direction finder, Wave-signal. H. M. Lewis. 2,397,746; Apr. 2.
Direction finder with filter. H. G. Busignies. 2,407,800; Sept. 3.
Direction finder with single receiver, Heterodyne. W. H. Winkler. 2,408,122; Sept. 24.
Direction finders, Method and apparatus for medium high frequency. W. H. Winkler. 2,393,353; Jan. 22.
Direction finding procedure. F. L. De Muth. 2,391,883; Jan. 1.
Direction finding system. H. T. Budenbom. 2,407,649; Sept. 17.
Direction finding system. G. Guanella. 2,413,620; Dec. 31.
Direction finding system. W. P. Lear. 2,393,644; Jan. 29.
Direction-finding system. A. V. Loughren. 2,403,727; July 9.
Direction finding system with frequency shift. W. H. Winkler. 2,408,121; Sept. 24.
Direction indicating device. B. D. Loughlin. 2,413,637; Dec. 31.
Direction-indicating system. B. D. Loughlin. 2,406,468; Aug. 27.
Direction indicator. S. M. Marcus. 2,402,255; June 18.
Direction method and system, Radio. E. M. Deloraine and E. Labin. 2,408,048; Sept. 24.
Director, Torpedo. R. E. Crooke. 2,403,505; July 9.
Dirt scraping and carrying vehicle. G. A. Vaughn. 2,399,838; May 7.
Disazo and polyazo benzidine type dyestuffs. F. Straub and J. Brassel. 2,404,198; July 16.
Disazo dyestuffs. H. Z. Lecher, R. P. Parker, and J. J. Denton. 2,394,246; Feb. 5.
Disazo dyestuffs and making same. W. Anderau. 2,411,646; Nov. 26.
Discharge apparatus, Electric. A. M. Skellett. 2,407,296; Sept. 10.
Discharge apparatus, Electric. R. M. Smith. 2,403,130; July 2.
Discharge apparatus, Electron. W. G. Shepherd. 2,401,777; June 11.
Discharge apparatus, Electron. A. M. Skellett. 2,407,297-8; Sept. 10.

- Discharge apparatus, Electronic. W. P. Overbeck. 2,404,920; July 30.
- Discharge device. E. B. Noel. 2,398,111; Apr. 9.
- Discharge device. J. H. Stroop. 2,409,647; Oct. 22.
- Discharge device and associated circuit. Electron. A. V. Haefl. 2,400,753; May 21.
- Discharge device and cathode therefor. W. W. Watrous, Jr. 2,396,807; Mar. 19.
- Discharge device and fabrication. Electric. T. G. Crawford. 2,399,004; Apr. 23.
- Discharge device. Electric. P. W. Crapuchettes. 2,399,003; Apr. 23.
- Discharge device. Electric. J. W. Fulton. 2,400,345; May 14.
- Discharge device. Electric. T. M. Lilmatainen. 2,411,046; Nov. 12.
- Discharge device. Electrical. R. H. Williams. 2,401,998; June 11.
- Discharge device. Electrical gaseous. P. W. Stutsman. 2,404,413; July 23.
- Discharge device. Electron. G. P. Chevigny and E. Labin. 2,402,600-1; June 25.
- Discharge device. Electron. J. W. Clark. 2,402,147; June 18.
- Discharge device. Electron. S. H. Dodington. 2,402,612; June 25.
- Discharge device. Electron. A. V. Haefl. 2,399,223; Apr. 30.
- Discharge device. Electron. A. V. Haefl. 2,400,752; May 21.
- Discharge device. Electron. G. R. Kilgore. 2,401,740; June 11.
- Discharge device. Gaseous. P. H. Craig. 2,405,089; July 30.
- Discharge device. High-voltage. C. M. Slack, L. F. Ehrke, and C. E. Dawley. 2,400,716; Oct. 22.
- Discharge device of the magnetron type. Electron. R. C. Schmidt. 2,413,385; Dec. 31.
- Discharge device. Space. H. Olken. 2,402,664; June 25.
- Discharge device. Space. P. L. Spencer. 2,408,238-9; Sept. 24.
- Discharge device. Space. A. E. Stafford. 2,404,803; July 30.
- Discharge devices. Fabricating electric. T. G. Crawford. 2,399,005; Apr. 23.
- Discharge lamp. cut-out device and manufacture. A. H. Aldig. 2,393,253; Jan. 22.
- Discharge system. Sepsic tank clear water. R. L. Zabel. 2,406,523; Aug. 27.
- Discharging apparatus. M. Meyerbach. 2,397,192; Mar. 26.
- Discharging device. Liquid. J. D. Strobell. 2,410,692; Nov. 9.
- Disconnect device. N. B. Murphy. 2,399,821; May 7.
- Disconnecting switch. J. S. Thompson. 2,413,200; Dec. 24.
- Disconnecting switch for electric terminal blocks. E. G. Johanson. 2,407,372; Sept. 10.
- Discriminator. Frequency. M. E. Bond. 2,404,359; July 23.
- Discriminator. Frequency. E. S. Purington. 2,392,693; Jan. 8.
- Discriminator. Pulse. E. Labin and D. D. Grieg. 2,408,079; Sept. 24.
- Discriminator-rectifier circuit. W. R. Koch. 2,410,983; Nov. 12.
- Disengaging coupling. A. Bechler. 2,403,208; July 2.
- Dish and toast rack. Combination covered butter. T. L. Daniels. 2,406,669; Aug. 27.
- Dish drier. H. L. Card. 2,411,365; Nov. 19.
- Dish holder. T. J. Van Alstyne. 2,398,060; Apr. 9.
- Dish supporting bracket. A. T. Kieft. 2,392,091; Jan. 1.
- Dishwasher. H. E. S. Hiort at Ornäs. 2,395,968; Mar. 5.
- Dishwasher. House type. C. O. Kauffman. 2,404,147; Aug. 6.
- Dishwashing machine. M. M. Brock. 2,407,533; Sept. 10.
- Dishwashing machine. W. N. Harris. 2,403,526; July 9.
- Dishwashing machine. L. A. Loeb. Re. 22,809; Nov. 5.
- Dishwashing machine. L. A. Loeb. 2,395,747; Feb. 26.
- Disher. Ice cream. B. F. and E. E. Lawrence. 2,412,050; Dec. 3.
- Disinfectants. W. H. Tisdale, and I. Williams. Re. 22,750; Apr. 30.
- Disinfecting and preserving compositions. W. Henrich and W. Kaiser. 2,410,497; Nov. 5.
- Disintegrating head. M. C. Rawson. 2,403,193; July 2.
- Disintegrator drill. R. C. Dawson. R. Couch, Jr., and V. A. Prange. 2,399,212; Apr. 30.
- Disintegrator. Paper stock. J. Inglis. 2,394,182; Feb. 5.
- Disk. Abrasive. R. W. Hackett. 2,398,224; Apr. 9.
- Disk and tool shank. Detachable screw-cutting. C. Lieblein. 2,408,565; Oct. 1.
- Disk. Brake. H. T. Lambert. 2,405,219; Aug. 6.
- Disk for timing systems. Lock. A. L. Denniston and S. H. Martin. 2,405,818; Aug. 13.
- Disk grinding stand. R. Friez. 2,396,943; Mar. 19.
- Disk mounting. J. Mader. 2,406,553; Aug. 27.
- Dr. Reinforced buoyant rubber. H. Pfenniger. 2,404,594; July 23.
- Drks. Producing toothed. H. G. Keller. 2,397,356; Mar. 26.
- Dispenser: See—
- Adhesive tape dispenser. Liquid dispenser.
- Article dispenser. Measuring dispenser.
- Beverage container and dispenser. Non-friction bearing ball dispenser.
- Bottle and drink dispenser. Pocket dispenser.
- Cooling agent dispenser. Push-button pump type soap dispenser.
- Definite-length adhesive tape dispenser. Sugar dispenser.
- Graze dispenser. Tape dispenser.
- Hypodermic dispenser. Toilet roll dispenser.
- Incense dispenser.
- Dispenser. D. Zanoll. 2,404,119; July 16.
- Dispenser and applicator. Adhesive tape. A. A. Anderson. 2,407,641; Sept. 17.
- Dispenser container. H. F. Kirkwood. 2,392,535; Jan. 8.
- Dispenser control. Bead. D. H. Clark. 2,407,628; Sept. 17.
- Dispenser for sheet material. C. A. Flood. 2,394,991; Feb. 19.
- Dispenser unit. Portable. H. J. McDargh, Jr. 2,411,220; Nov. 19.
- Dispensers. Valve for. V. V. Vale and E. S. True. 2,401,391; June 4.
- Dispensing apparatus. C. V. Di Pietro. 2,401,915; June 11.
- Dispensing apparatus. D. J. Evans. 2,396,043; Mar. 5.
- Dispensing apparatus. A. C. Stepan, Jr. 2,402,707; June 23.
- Dispensing apparatus. R. H. Tall. 2,403,470; July 9.
- Dispensing apparatus. Fluid. W. H. De Lancy. 2,413,036; Dec. 24.
- Dispensing apparatus. Fluid medium. W. H. Freygang. Re. 22,721; Feb. 12.
- Dispensing apparatus. Gas. R. E. Poethig. 2,405,846; Aug. 13.
- Dispensing apparatus. Liquid. N. Softis. 2,398,727; Apr. 16.
- Dispensing appliance. W. M. Larson. 2,392,676; Jan. 8.
- Dispensing container. C. S. Beardsley. 2,410,923; Nov. 12.
- Dispensing container. H. Fleisher and J. Homer. 2,409,933; Oct. 22.
- Dispensing container. J. H. Percy. 2,393,262; Jan. 22.
- Dispensing device. J. R. Clem. 2,407,402; Sept. 10.
- Dispensing device. J. A. Gits. 2,399,016; Apr. 23.
- Dispensing device. T. F. Hamilton. 2,393,370; Jan. 22.
- Dispensing device. P. R. Nelson and R. C. Phillips. 2,400,435; May 14.
- Dispensing device. P. A. Wooster. 2,411,917; Dec. 3.
- Dispensing device. Deodorant. S. J. Benn. 2,406,314; Aug. 27.
- Dispensing device. Fluid. A. L. Parker. 2,399,245; Apr. 30.
- Dispensing device. Fluid pressure media. S. C. Marsh. 2,410,830; Nov. 12.
- Dispensing device for scales. Scoop. A. Boecchiechio. 2,408,906; Oct. 8.
- Dispensing device. Gas. H. L. Norway. 2,400,569; May 21.
- Dispensing device. Liquid. G. W. Fouke. 2,400,084; May 14.
- Dispensing device. Liquid. S. Kirschenbaum. 2,411,435; Nov. 19.
- Dispensing device. Liquid. C. F. Prangley. 2,400,888; May 28.
- Dispensing device. Tilttable trap chamber measuring. M. L. Meyer. 2,407,377; Sept. 10.
- Dispensing machine. H. P. Compton and J. A. Autry. 2,400,104; May 14.
- Dispensing machine. Tape. L. Walters. 2,406,418; Aug. 27.
- Dispensing means for containers. W. A. and W. W. Smith. 2,394,942; Feb. 12.
- Dispensing mechanism. Cup. W. Von Stoeser. 2,407,968; Sept. 17.
- Dispensing mechanism for mixing tanks. Ingredient. W. F. Gayring. 2,410,873; Nov. 12.
- Dispensing system. E. S. Engle. 2,401,417; June 4.
- Dispensing system. T. H. Whaley, Jr. 2,402,355; June 18.
- Dispensing system. Liquefied petroleum gas. H. L. Norway. 2,400,570; May 21.
- Dispensing tube. J. Pepin. 2,398,505; Apr. 16.
- Dispensing valve. W. F. Hurlburt. 2,392,741; Jan. 8.
- Dispersion. V. L. Hansley. 2,394,608; Feb. 12.
- Dispersions and forming shaped articles. Stabilized. P. M. Travis. 2,404,008; July 13.
- Dispersions and their use. T. H. Rogers, Jr. 2,396,607; Mar. 12.
- Dispersions. Making coupler. R. V. Young. 2,401,718; June 4.
- Displacement apparatus. R. D. Delamere. 2,410,341; Oct. 29.
- Display box. R. E. Fink. 2,412,450; Dec. 10.
- Display box. H. L. Magill. 2,402,062; June 11.
- Display character. A. Zicke. 2,406,124; Aug. 20.
- Display device. F. Burchell and B. Ivins. 2,393,969-70; Feb. 5.
- Display device. J. V. Horr. 2,395,122; Feb. 19.
- Display device. J. Hutchinson. 2,410,975; Nov. 12.
- Display device. R. C. Pollock. 2,404,089; July 16.

- Display device. E. L. Wathen. 2,407,592; Sept. 10.
 Display device, Advertising. W. Stubbins. 2,405,376; Aug. 6.
 Display-device and household rack. M. Rosenblatt. 2,398,858; Apr. 23.
 Display device, Collapsible. W. D. Rudy. 2,399,143; Apr. 23.
 Display device for use in determining the shade of finger nail polish. I. Harris. 2,393,371; Jan. 22.
 Display device, Pictorial. B. Nitzberg. 2,401,436; June 4.
 Display form. R. A. Schramm and E. S. Wisniewski. 2,397,813; Apr. 2.
 Display, Framed. N. M. Burr. 2,395,369; Feb. 19.
 Display holder. J. C. Feeney and B. B. Banks. 2,405,780; Aug. 13.
 Display, Knockdown. G. F. Pergande. 2,395,578; Feb. 26.
 Display, Lattice. N. Burr. 2,400,914; May 28.
 Display rack. W. L. Burkhard. 2,400,807; May 21.
 Display rack. R. E. Fast. 2,399,337; Apr. 30.
 Display table. R. A. Bloom. 2,409,925; Oct. 22.
 Displaying and changing musical score, Novel or improved means for use more especially in. B. N. Carrington. 2,401,612; June 4.
 Dissipator, Energy. J. E. Keister. 2,399,930; May 7.
 Dissolving apparatus. D. W. Kaufman. 2,402,636; June 25.
 Distance and direction determination system. I. Wolff. 2,407,198; Sept. 3.
 Distance and direction finding. R. W. Hart. 2,407,663; Sept. 17.
 Distance and direction finding, Method and means for. R. W. Hart. 2,407,273; Sept. 10.
 Distant control. N. E. Walker. 2,409,168; Oct. 8.
 Distant-control device, Electrically operated. A. Arnot. 2,408,543; Oct. 1.
 Distance measuring system. W. J. Brown and J. E. Shomer. 2,405,134; Aug. 6.
 Distillation. J. C. Pernert. 2,392,862; Jan. 15.
 Distillation. J. C. Pernert. 2,400,947; May 28.
 Distillation apparatus, Collapsible. W. R. P. Delano. 2,398,291; Apr. 9.
 Distillation apparatus, Fractional. W. E. Scovill and T. J. Walsh. 2,398,807; Apr. 23.
 Distillation apparatus, Solar. W. R. P. Delano and W. E. Meissner. 2,405,118; Aug. 6.
 Distillation apparatus, Vacuum. K. C. D. Hickman and E. S. Perry. 2,403,978; July 16.
 Distillation of polymericizable compounds. E. R. Erickson. 2,397,653; Apr. 2.
 Distillation product of acetylated shell liquids and making same. E. E. Novotny and G. K. Vogelsang. 2,401,095; May 28.
 Distillation system. H. I. Lea. 2,398,836; Apr. 23.
 Distillation with furfural, Extractive. V. Scarth. Re. 22,811; Nov. 12.
 Distillery slop, Treating. E. C. Pattee. 2,391,918; Jan. 1.
 Distilling apparatus, Solar. W. R. P. Delano. 2,398,292; Apr. 9.
 Distortion, Prevention of. H. Romander. 2,393,936; Jan. 29.
 Distributing apparatus. W. C. Ewaldson. 2,407,542; Sept. 10.
 Distributing hay in barns. E. R. Wallace. 2,397,894; Apr. 2.
 Distributing system, Call. B. D. Holbrook and M. A. Logan. 2,405,214; Aug. 6.
 Distributing system, Fluid. L. B. Green. 2,402,280; June 18.
 Distribution system. L. M. Potts. 2,395,428; Feb. 26.
 Distribution system for high-temperature pebble bed furnaces, Fuel. F. M. Wolf. 2,408,282; Sept. 24.
 Distributor. G. B. Carson. 2,399,165; Apr. 30.
 Distributor. T. H. Clark. 2,402,603; June 25.
 Distributor. J. R. Harkness. 2,399,022; Apr. 23.
 Distributor, Bullet. C. W. Yates and K. J. Yost. 2,402,110; June 11.
 Distributor, Fertilizer. J. Blue. 2,396,980; Mar. 19.
 Distributor, Fertilizer. H. E. Grether. 2,405,824; Aug. 13.
 Distributor for dust applying mechanisms. G. S. Messinger. 2,400,703; May 21.
 Distributor for stokers. S. B. Yates. 2,406,358; Sept. 24.
 Distributor, Ignition. J. R. Harkness. 2,399,023; Apr. 23.
 Distributor, Impulse. E. A. Ford. 2,401,419; June 4.
 Distributor, Polarity reversing. H. Ford and E. Zoerlein. 2,402,543; June 25.
 Distributor, Signal. S. J. Elliott, O. M. Hovgaard, R. F. Mallina, and F. M. Thomas. 2,409,617; Oct. 22.
 Disturbing influence detecting element. G. Mumfy. 2,412,742; Dec. 17.
 Dive angle indicator. R. R. Vought and E. R. Bergmark. 2,397,712; Apr. 12.
 Divider attachment. G. J. Young. 2,402,000; June 11.
 Divider, Frequency. W. A. Miller and E. R. Shenk. 2,399,135; Apr. 23.
 Divider, Frequency. E. Normman. 2,410,389; Oct. 29.
 Divider, Light. G. L. Dimmick. 2,392,978; Jan. 15.
 Dividing machine, Dough. H. W. Bowker. 2,408,602; Oct. 1.
 di-Tocopherolester. J. A. Aeschlimann. 2,393,134; Jan. 15.
 Di-Tocopherols and the manufacture of same. P. Karrer and O. Isler. 2,411,967; Dec. 3.
 Docking device. H. F. McClain. 2,401,878; June 11.
 Document, Record bearing. E. D. de Gruchy. 2,395,804; Mar. 5.
 Doffing and donning apparatus. J. H. Daughdrill and R. F. Jessen. 2,412,444; Dec. 10.
 Doffing mechanism. J. W. Weber. 2,398,732; Apr. 16.
 Dog clutch. C. M. Jameson. 2,405,698; Aug. 13.
 Dog house, Prefabricated. J. J. Latura. 2,410,221; Oct. 29.
 Doll. W. Seidler. 2,396,441; Mar. 12.
 Doll and constructing same, Alternating cloth. H. F. and H. M. Chu. 2,406,994; Sept. 3.
 Doll, Jointed mannequin. M. Geller. 2,407,367; Sept. 10.
 Dolly. A. S. Harris. 2,397,315; Mar. 26.
 Dolly, Airplane lift. C. P. Baum. 2,393,602; Jan. 29.
 Dolly for moving columns. G. D. Hulburt and R. E. Conway. 2,397,317; Mar. 26.
 Dolly, Riding. A. G. Schramm. 2,410,241; Oct. 29.
 Dolly, Wheel. R. O. Ray. 2,392,409; Jan. 8.
 Dolomite and high-calcic limestones, Treatment of. W. H. MacIntire. 2,403,939; July 16.
 Domestic appliance. K. Clark. 2,405,404; Aug. 6.
 Domestic appliance. K. Clark. 2,406,198; Aug. 20.
 Domestic appliance. K. Clark. 2,408,509; Oct. 1.
 Domestic appliance. J. B. Dyer. 2,392,652; Jan. 8.
 Domestic appliance. J. B. Dyer. 2,411,960; Dec. 3.
 Domestic appliance. D. K. Ferris. 2,406,494; Aug. 27.
 Domestic appliance. J. W. Jacobs. 2,409,434; Oct. 15.
 Domestic appliance. F. H. McCormick. 2,404,139; July 16.
 Door. See—
 Automatic overhead door. Sliding car door.
 Bifold canopy door. Solenoid locked push door.
 Folding door. Vending machine door.
 Landing gear housing. Water-cooled furnace door.
 Door actuating mechanism. V. E. Forrest. 2,411,369; Nov. 19.
 Door and affiliated mechanism, Overhead. C. Buchner. 2,401,857; June 11.
 Door and operating means therefor. D. H. Morgan. 2,407,674; Sept. 17.
 Door and post structure, Railway car. A. Wasberg. 2,404,554; July 23.
 Door apparatus for dental units and the like. D. J. Binus. 2,396,341; Mar. 12.
 Door check. M. Tykeson. 2,411,481; Nov. 19.
 Door closing device. G. W. Slopa. 2,394,878; Feb. 12.
 Door construction. D. C. Crawford. 2,399,169; Apr. 30.
 Door construction. F. A. Guth. 2,409,037; Oct. 8.
 Door construction, Car. J. Christiansen. 2,397,335; Mar. 5.
 Door construction for cushioned cells. J. E. Crech. 2,397,926; Apr. 9.
 Door construction, Oven. E. D. Hillebrand. 2,394,176; Feb. 6.
 Door equipment, Garage. W. D. Ferris and C. R. Wolf. 2,405,821; Aug. 13.
 Door hinge, Concealed. C. J. Petersen. 2,395,501; Feb. 26.
 Door-hinging, door-checking, and door-holding device, Combined. R. I. Schonitzer. 2,405,719; Aug. 13.
 Door holder. C. N. Sibley and F. Wiesler. 2,398,602; Apr. 16.
 Door latch. R. C. Cerf. 2,407,133; Sept. 3.
 Door latch. G. R. Feuerlein. 2,405,027; July 30.
 Door latch. J. C. Irwin. 2,410,347; Oct. 29.
 Door latch operating mechanism. M. Falk. 2,401,559; June 4.
 Door lock. C. A. Hillgren. 2,403,597; July 9.
 Door lock. F. C. Schock. 2,394,719; Feb. 12.
 Door lock. R. F. Smith. 2,411,941; Dec. 3.
 Door lock. M. Spinnello. Re. 22,766; June 11.
 Door opening and closing device. T. Madland. 2,412,346; Dec. 10.
 Door operating apparatus. H. B. Clark. 2,412,871; Dec. 17.
 Door operating mechanism, Overhead. E. N. Rosenberg. 2,402,296; June 18.
 Door or window construction. W. L. Gould. 2,396,648; Mar. 19.
 Door stop, Freight car. K. F. Nystrom and V. L. Green. 2,413,575; Dec. 31.
 Doors, especially for cells, gratings, and the like. F. Adam. 2,393,276; Jan. 22.
 Doors, Sealed. H. J. Buttner. 2,406,942; Sept. 3.
 Doors, Sealing. W. D. Rossiter. 2,401,965; June 11.
 Dope or holders for diamonds and like tool pieces for grinding or polishing purposes. F. C. Jearum. 2,394,242; Feb. 5.
 Double-acting check valve. C. D. K. Bliss. 2,396,037; Mar. 5.
 Double-acting engine. R. E. Heald. 2,404,906; July 30.
 Double-acting pump. W. A. Finley. 2,392,655; Jan. 8.
 Double-casing high-pressure pump. E. Hart. 2,408,637; Oct. 1.
 Double check unloading valve. E. A. Rockwell. 2,395,941; Mar. 5.

- Double clutch. W. V. Thelander, E. M. De Coursey, W. O. Bechman, and W. W. Henning. 2,405,413; Aug. 27.
- Double deck vehicle. F. J. Dittrich. 2,405,136; Aug. 6.
- Doubling exposure prevention device. M. R. Hutchison, Jr. 2,394,614; Feb. 12.
- Double point drafting device. C. R. Howard. 2,394,452; Feb. 5.
- Double-throw switch. W. C. Anderson. 2,405,005; July 30.
- Double walled container. F. Gettelman. 2,404,484; July 23.
- Doubler, Frequency. W. T. Brown. 2,406,739; Sept. 3.
- Douch receptacle. J. Shapiro. 2,410,367; Oct. 29.
- Dough dividing machine. A. R. Palmer. 2,408,679; Oct. 1.
- Dough, System of feeding and assorting balls of. C. L. Schulz. 2,399,894; May 7.
- Dough twisting machine. J. Buechek. 2,405,684; Aug. 13.
- Dowel bar protector. R. A., Sr., and E. E. McGrath. 2,408,989; Oct. 8.
- Downspout for bubble trays. C. G. Gerhold. 2,394,679; Feb. 12.
- Downspout or conductor pipe, Attaching. P. L. Conaway. 2,396,086; Mar. 5.
- Draft arrangement, Locomotive. A. B. Harris and G. M. Baker. 2,394,173; Feb. 5.
- Draft connection. W. Gatewood. 2,396,093; Mar. 5.
- Draft gear. J. R. Cardwell. 2,402,146; June 18.
- Draft gear. G. E. Dath and R. J. Olander. 2,403,585; July 9.
- Draft gear. A. J. Kashubeck, H. L. Spence, and J. L. Eler. 2,395,187; Feb. 19.
- Draft mechanism for railway cars. A. Campbell. 2,408,195; Sept. 24.
- Draft producing apparatus. S. Kneass, Jr. 2,397,870; Apr. 2.
- Draft regulating apparatus for coal burning furnaces. J. C. Edwards. 2,396,777; Mar. 19.
- Draft regulator. C. H. Morrow. 2,397,879; Apr. 2.
- Drafting instrument. H. Brown. 2,410,864; Nov. 12.
- Drafting instrument. O. S. Shaffer. 2,411,981; Dec. 3.
- Drafting machine. A. L. Baker. 2,400,733; May 21.
- Drafting machine. L. R. Halstead. 2,407,235; Sept. 10.
- Drafting machine. R. J. Pomeroy. 2,413,376; Dec. 31.
- Drafting machine. V. B. Wallace. 2,394,344; Feb. 5.
- Drag, Wing float. C. de Ganahl. 2,402,379; June 18.
- Drain and ventilator, Window. F. F. Murray and C. K. MacDonald. 2,397,803; Apr. 2.
- Drain attachment for cooking pots. A. Serkes and J. Teska. 2,407,163; Mar. 26.
- Drain rock wrench. N. J. Vlass. 2,394,027; Feb. 5.
- Drain device for cooling system, Automatic. G. Wood. 2,408,183; Sept. 24.
- Drain fitting. N. A. Tornblom. 2,405,927; Aug. 13.
- Drain, Plug-in. E. Berndt. 2,392,631; Jan. 8.
- Drain, Window screen. H. C. Freese. 2,407,229; Sept. 10.
- Draper. T. G. Mulvaney and L. J. Thornton. 2,397,681; Apr. 2.
- Drapery bracket. P. H. Kuyper. 2,400,010; May 7.
- Drapery mounting. D. R. Falkenberg. 2,409,425; Oct. 15.
- Drawbar or hitch for agricultural implements. G. M. Bounphrey. 2,394,744; Feb. 12.
- Drawbridge interlocking. R. M. Snyder. 2,409,074; Oct. 8.
- Drawer, Filing. W. A. Horne. 2,393,536; Jan. 22.
- Drawer structure. E. P. Hamilton. 2,398,528; Apr. 16.
- Drawing apparatus, Metal. W. E. Kerr. 2,399,745; May 7.
- Drawing frame structure. E. B. Robinson. 2,412,357; Dec. 10.
- Drawing frames, Stop motion for. W. J. Scott. 2,399,148; Apr. 23.
- Drawing-layout table, Positioning. H. G. Butler. 2,403,338; July 2.
- Drawing machine. W. E. Kerr. 2,404,234; July 16.
- Drawing press. A. Lefere. 2,403,183; July 2.
- Drawings, Device for use in the making of. R. Richards. 2,401,105; May 28.
- Dredging device. C. W. Holland. 2,411,685; Nov. 26.
- Dress, Convertible midriff. T. Oresman. 2,405,368; Aug. 6.
- Dresser, Grinding wheel. R. A. Thompson. 2,404,148; July 16.
- Dresser, Grinding wheel edge. W. F. Dalzen. 2,403,266; July 2.
- Dresser, Radius and angle. G. N. Weaver. 2,395,598; Feb. 26.
- Dressing device, Grinding wheel. E. Brocker. 2,403,945; July 2.
- Dressing device or grinding wheels. J. J. Schantz. 2,398,451; Apr. 16.
- Dressing, Interchangeable surgical neck. J. Schaffer. 2,402,780; June 25.
- Dressing machine. J. A. Costelow. 2,402,734; June 25.
- Dressing mechanism. F. F. Barker, H. G. Hartman, C. T. Galloway, and B. M. Kunes. 2,409,240; Oct. 15.
- Drier: See—
Clothes drier. Food drier.
Dish drier. Hosiery drier.
Fishline drier. Sock drier.
- Drier. C. E. Blanchard. 2,405,813; Aug. 13.
- Drier. C. M. Doyle. 2,412,133; Dec. 3.
- Drier. D. M. Duncan, F. S. Wright, A. S. Jackson, and C. A. Feyne. 2,393,521; Jan. 22.
- Drier. K. Engler, E. L. Barger, and A. H. Thompson. 2,407,636; Sept. 17.
- Drier. W. H. Joyce, Jr. 2,411,792; Nov. 26.
- Drier for aggregates and the like. I. J. Overman. 2,411,751; Nov. 26.
- Drier for decorated ware. D. G. Merrill. 2,409,298; Oct. 15.
- Drift indicator. I. Wolff. 2,403,625; July 9.
- Drill: See—
Center drill. Portable electric drill.
Compressed air-driven drill. Reversible close quarter drill.
Core drill. Rock drill.
Disintegrator drill. Star drill.
Earth drill. Twist drill.
Grain drill.
Drill. J. Bullock. 2,405,110; Aug. 6.
Drill. F. G. Gephert. 2,404,048-9; July 16.
Drill. S. E. Meinert. 2,393,550; Jan. 22.
Drill-bit carrier. J. H. Simmons and H. E. Spencer. 2,398,896; Apr. 23.
Drill bits, Process and apparatus for making. P. Liddicoat. 2,401,834; June 11.
Drill case. M. D. Nissenbaum. 2,403,825; July 9.
Drill. H. C. Making molded. M. D. Basolo. 2,392,804; Jan. 15.
Driller. W. H. Eichelman. 2,412,211; Dec. 10.
Drilling. K. F. Moller. 2,396,335; Mar. 12.
Drilling and milling device. F. Kocher. 2,395,628; Feb. 26.
Drilling apparatus. J. C. Curtis and E. G. Gartin. 2,407,976; Sept. 24.
Drilling apparatus. W. W. Paget. 2,407,679; Sept. 17.
Drilling apparatus. W. W. Paget. 2,410,458; Nov. 5.
Drilling apparatus, Glass. K. Sommer, F. Maca, E. Edwards, and W. Budig. 2,413,084; Dec. 24.
Drilling apparatus, Well. W. P. Stille. 2,400,853; May 21.
Drilling device. R. W. Andreasson. 2,409,525; Oct. 15.
Drilling device. S. Shimomiya. 2,410,753; Nov. 5.
Drilling head unit. R. Hodges and J. H. Klasey. 2,395,121; Feb. 19.
Drilling machine. P. De Anguera. 2,398,134; Apr. 9.
Drilling machine. R. V. Hirsch. 2,398,141; Apr. 9.
Drilling machine. C. H. Priest, Jr. 2,397,563; Apr. 2.
Drilling machine. L. Robbins. 2,398,250-1; Apr. 9.
Drilling machine. C. A. Wiken and H. V. Boehnke. 2,396,733; Mar. 19.
Drilling method and fluid for use therein. T. S. Chapman. 2,399,986; May 7.
Drilling unit, Rotary. D. A. Bennett and A. R. Maier. 2,405,364; Oct. 1.
Drive: See—
Machine drive.
Drive and control system, Generating electric. T. O. Lilquist. 2,403,933; July 16.
Drive and control system, Ship. C. H. Fike and H. R. Heinzen. 2,403,647; July 9.
Drive and timing mechanism, Shutter. C. M. Carroll. 2,410,629; Nov. 5.
Drive, Automotive. W. Ferris. 2,397,343; Mar. 26.
Drive axle. L. R. Buckendale. 2,392,832; Jan. 15.
Drive coupling. K. Davis. 2,397,538; Apr. 2.
Drive coupling. E. M. D. Herold and F. E. Walling. 2,394,448; Feb. 5.
Drive coupling mechanism. L. H. Scott. 2,393,344; Jan. 22.
Drive device. F. L. Alben. 2,412,853; Dec. 17.
Drive device, Mechanical. H. W. Goff. 2,406,012; Aug. 20.
Drive device, One-way. W. P. Gallagher. 2,400,818; May 2.
Drive, Diesel electric marine. H. H. Curry and A. M. Dudley. 2,400,979; May 28.
Drive, Engine starter. E. W. Jones. 2,407,158; Sept. 3.
Drive, especially for railway vehicles, Axle. W. B. Dean. 2,405,193; Aug. 6.
Drive for Axminster looms, Pull-over shaft. V. F. Sepavich. 2,412,477; Dec. 10.
Drive for dual propellers, Counter. R. C. Cavallaro. 2,395,610; Feb. 26.
Drive for motion-picture projectors, Sprocket. C. W. Dyer. 2,406,598; Aug. 27.
Drive for multiple axle vehicles. B. G. Donley and G. D. Simonds. 2,395,108; Feb. 19.
Drive for oppositely rotating propellers. A. Friedrich. 2,394,299; Feb. 5.
Drive for roller mills, Roller. E. Roth. 2,394,485; Feb. 5.
Drive, of super-chargers, Two-speed. G. J. Viviano. 2,406,417; Aug. 27.
Drive for triplex pumps. A. A. Ashton. 2,407,392; Sept. 10.
Drive for web propelling rollers, Friction. A. J. Albrecht. 2,407,239; Sept. 10.
Drive for wire spooling devices, Planetary. C. O. Bruestle. 2,412,440; Dec. 10.
Drive, Irreversible. W. H. Newell. 2,402,073; June 11.
Drive, Landing wheel. F. H. Fodor. 2,408,163; Sept. 24.

- Drive, Magnetic meter. A. L. Coger. 2,399,856; May 7.
 Drive mechanism. B. W. Keese. 2,402,637; June 25.
 Drive mechanism. F. R. McFarland. 2,409,506; Oct. 15.
 Drive mechanism. W. H. Thomson. 2,408,456; Oct. 1.
 Drive mechanism. M. Ware. 2,410,558; Nov. 5.
 Drive mechanism, Angle. P. M. Griffin. 2,401,240; May 28.
 Drive mechanism for driven wheels, Steering. C. C. Brown. 2,408,507; Oct. 1.
 Drive mechanism for tire molds. E. A. Glynn. 2,396,781; Mar. 19.
 Drive mechanism for washing machines. G. H. Amosen. 2,396,549; Mar. 12.
 Drive mechanism, Fountain ink. A. Taylor and E. W. Worthington. 2,406,923; Sept. 3.
 Drive mechanism, Lubricating means for. J. G. Vincent and F. R. McFarland. 2,400,964; May 28.
 Drive mechanism, Shutter. C. W. Carroll. 2,398,409; Apr. 16.
 Drive structure for crawler tractors, Final. W. O. Bechman, H. A. Land, and R. D. Acton. 2,405,549; Aug. 13.
 Drive with magnetic lock, One-way. H. A. Bakke. 2,409,009; Oct. 8.
 Driver member for friction clutches. M. Katcher. 2,392,246; Jan. 1.
 Driver for electro-acoustic transducers. H. C. Hayes and H. L. Saxton. 2,405,575; Aug. 13.
 Driver for helical members. K. B. Geertsema. 2,400,548; May 21.
 Driver for tilt-top staples. J. C. Lang. 2,409,049; Oct. 8.
 Driver's seat. C. Berg. 2,391,872; Jan. 1.
 Driving and control mechanism. A. F. Bennett and H. W. Jacobson. 2,396,632; Mar. 19.
 Driving and control mechanism. G. B. Hirsch. 2,404,439; July 23.
 Driving and driven members, Safety connection for. H. A. Boller. 2,402,867; June 25.
 Driving attachment for post hole diggers. Post. O. D. Kelly. 2,390,190; Apr. 30.
 Driving connections, Eccentric. C. L. Beard. 2,394,741; Feb. 12.
 Driving device. S. Zonis. 2,412,114; Dec. 3.
 Driving device, Fastener. W. Olson. 2,401,840; June 11.
 Driving device for rotary piston machines. P. Sobek. 2,394,337; Feb. 5.
 Driving means for roller electrodes and the like. W. Trinks. 2,412,069; Dec. 3.
 Driving means for rotary valves of internal-combustion engines, compressors, and the like. F. M. Aspin. 2,407,127; Sept. 3.
 Driving mechanism. D. H. Heynau. 2,404,907; July 30.
 Driving mechanism. J. B. Kirby. 2,397,869; Apr. 2.
 Driving mechanism. J. M. Tyler and S. K. Hoffman. 2,407,114; Sept. 3.
 Driving mechanism. W. E. Van Dorn. 2,413,158; Dec. 24.
 Driving mechanism for domestic appliances. J. B. Dyer. 2,412,722; Dec. 17.
 Driving mechanism for slashers, Beam. A. E. Silcox. 2,405,908; Aug. 13.
 Driving mechanism, Hydraulic conveyer. D. M. King. 2,402,056; June 11.
 Driving mechanism, Power gun turret. A. Corte. 2,405,642; Aug. 13.
 Driving mechanism, Resilient. F. L. Alben. 2,399,306; Apr. 30.
 Driving mechanism, Rotary. R. F. Mallina. 2,405,588; Aug. 13.
 Driving mechanism, Vehicle. L. R. Buckendale. 2,406,797; Sept. 3.
 Driving mechanism, Vehicle. C. L. Eksergian. 2,401,628; June 4.
 Driving motors of submersible pumps, Sealing. V. A. Hoover. 2,404,635; July 23.
 Driving tool. R. Temple. 2,395,354; Feb. 19.
 Driving unit, Multiple. M. Ware. 2,392,015; Jan. 1.
 Drop by drop pump. J. P. Tarbox. 2,393,838; Jan. 29.
 Droplomb, Aerial. H. F. Frost, K. H. Thunell, S. D. Vignen, and P. H. E. Claesson. 2,407,936; Sept. 17.
 Drop-out process, Half-tone. B. L. Berry. 2,395,986; Mar. 5.
 Drosses, Treating antimony. T. R. Jones. 2,401,001; May 28.
 Drum cleaning machine. J. Trager. 2,395,593; Feb. 26.
 Drum, Drier. L. Hornbostel. 2,412,753; Dec. 17.
 Drum having heat-exchange fluid supply and removable means, Drier. L. Hornbostel. 2,413,567; Dec. 31.
 Drum, Heating. J. A. Pendergrass. 2,413,578; Dec. 31.
 Drum, Sanding. F. Harris. 2,399,923; May 7.
 Drum, Surfacing machine. L. Vavrik. 2,402,191; June 18.
 Drums, Curling open-end. W. H. White. 2,413,594; Dec. 31.
 Dry-adhesive tape roll dispenser. M. Kahn. 2,400,881; May 28.
 Dry-battery torch or flash lamp. H. F. Hedge. 2,401,349; June 4.
 Dry cell. H. R. C. Anthony and H. G. Friang. 2,392,795; Jan. 8.
 Dry cell. M. E. Wilke. 2,403,571; July 9.
 Dry cell and manufacturing same. R. L. Glover. 2,396,693; Mar. 19.
 Dry concentrating table. E. A. Glynn. 2,392,914; Jan. 15.
 Dry dock, Railway. J. S. Crandall. 2,392,081; Jan. 1.
 Dry rosin size and making the same. A. C. Dreshfield. 2,410,433; Nov. 5.
 Dry shaver. T. J. Murphy. 2,395,495; Feb. 26.
 Dry-shaving apparatus. J. Schwab. 2,595,296; Feb. 19.
 Dry size, Preparing a. J. K. Farrell. 2,411,824; Nov. 26.
 Drying apparatus. F. J. Broglie. 2,398,880; Apr. 23.
 Drying apparatus. H. V. Friedman. 2,394,605; Feb. 12.
 Drying apparatus. C. W. Gordon. 2,393,766; Jan. 29.
 Drying apparatus. C. E. Koch. 2,404,732; July 23.
 Drying apparatus. F. M. McBeth. 2,395,933; Mar. 5.
 Drying apparatus or dehydrating plant for the treatment of grass, peat, and other moist substances. H. N. McLeod. 2,397,563; Mar. 26.
 Drying apparatus with air desiccating means and automatic regenerating means therefor. R. V. Heuser. 2,411,039; Nov. 12.
 Drying, blocking, or stretching device, Clothes. A. S. Parker, Jr. 2,410,230; Oct. 29.
 Drying device, Spray. E. Gustafsson and J. W. Bauer. 2,399,182; Apr. 30.
 Drying line and self locking reel therefor. A. D. Hanna. 2,412,396; Dec. 10.
 Drying machine. E. Davis. 2,397,091; Mar. 26.
 Drying materials uniformly throughout their mass. Method and apparatus for. J. W. Mann and G. F. Russell. 2,408,434; Oct. 1.
 Drying means for screen printing apparatuses, Air. H. Fleisher and G. H. Tillett. 2,393,626; Jan. 29.
 Dual carburetor throttle control. J. J. Wharam and J. L. Robertson. 2,391,933; Jan. 1.
 Dual control system. B. G. Horstmann. 2,394,384; Feb. 5.
 Dual fuel engine. J. C. Barnaby and W. L. Russell. 2,400,219; May 14.
 Dual straddle feeding apparatus. A. W. Metzner. 2,393,332; Jan. 22.
 Dual wheel assembly. C. S. Ash. 2,398,349; Apr. 16.
 Dual wheel vehicle. C. S. Ash. 2,398,348; Apr. 16.
 Duct, Air distribution. W. G. Richardson. 2,395,233; Feb. 19.
 Duct, Heater. J. Ledwinka and G. Trautvetter. 2,405,839; Aug. 13.
 Ductile tubing connector. R. E. Snyder. 2,406,478; Aug. 27.
 Dump, Body. F. Biszantz. 2,402,362; June 18.
 Dump truck and latch. W. W. Taylor. 2,405,721; Aug. 13.
 Dumping apparatus, Portable cart. A. E. Poulsen. 2,411,228; Nov. 19.
 Dumping machine, Box. F. J. McMichael. 2,410,515; Nov. 19.
 Duplex control circuit. R. W. Carlson and M. G. Nicholson, Jr. 2,407,399; Sept. 10.
 Duplicating and apparatus therefor. H. E. Collins. 2,398,288; Apr. 9.
 Duplicating blanks by telefacsimile and the like, Making. H. R. Dalton and A. G. Cooley. 2,398,779; Apr. 23.
 Duplicating device, Simplified. I. Stockman. 2,411,475; Nov. 19.
 Duplicating machine. C. H. Bradt. 2,403,250; July 2.
 Duplicating machine. F. R. Ford. 2,398,888; Apr. 23.
 Duplicating machine. F. R. Ford. 2,399,175; Apr. 23.
 Duplicating machine. F. R. Ford. 2,399,176; Apr. 30.
 Duplicating machine. J. R. Roberts. 2,401,020; May 28.
 Duplicating machine and electrical control therefor. J. W. Wilkie and E. G. Franklin. 2,413,274; Dec. 24.
 Duplicator, Flat-bed. W. F. O'Gorman. 2,393,402; Jan. 22.
 Dust collecting and treating mechanism. W. S. Bowen. 2,391,863; Jan. 1.
 Dust collecting composition. M. E. Cuperly. 2,407,255; Sept. 10.
 Dust collector. R. L. Lincoln. 2,397,022; Mar. 19.
 Dust collector. R. L. Lincoln. 2,398,233; Apr. 9.
 Dust collector. W. P. Little. 2,394,923; Feb. 12.
 Dust collector for tile cutting and similar machines. C. A. Martin. 2,394,556; Feb. 12.
 Dust collector system. R. L. Lincoln. 2,393,112; Jan. 15.
 Dust gauge. H. W. Sheridan. 2,406,409; Aug. 27.
 Dust separator. L. C. Whiton, J. E. Watson, and C. B. McBride. 2,405,925; Aug. 13.
 Dyeing apparatus. R. R. Root. 2,396,533; Mar. 12.
 Dye, Chromable monazo. W. B. Reynolds and S. S. Rossander. 2,396,343; Mar. 12.
 Dye developer. G. L. Armour. 2,403,900; July 16.
 Dye intermediates. W. E. Sanford, E. E. Kirby, and D. W. Woodward. 2,396,917; Mar. 19.
 Dye planographic printing compositions, Direct. C. A. Amick. 2,404,769; July 30.
 Dyeing, C. Heyman. 2,394,688-9; Feb. 12.
 Dyeing machine. F. Carter and D. C. Taylor. 2,410,336; Oct. 29.
 Dyeing process. C. M. Croft and W. H. Hindle. 2,399,627; May 7.
 Dyes, Mercyanine. L. G. S. Brooker and H. W. J. Cressman. 2,409,189; Oct. 15.
 Dyes, Oil soluble. H. T. Lacey and W. E. Ness. 2,392,158; Jan. 1.
 Dyes, Polymethine. L. G. S. Brooker and H. W. J. Cressman. 2,398,999; Apr. 23.

- Dyes, Pyrrole. L. G. S. Brooker and R. H. Sprague. 2,409,612; Oct. 22.
- Dyestuff, Acid anthraquinone. C. Bamberger. 2,400,188; May 14.
- Dyestuff and making same, Vat. T. Holbro, W. Kern, and P. Sutter. 2,408,259; Sept. 24.
- Dyestuff, Anthraquinone acid. J. G. Kern. 2,407,704; Sept. 17.
- Dyestuff composition. E. W. Clark. 2,406,586; Aug. 27.
- Dyestuff intermediates. J. D. Kendall and H. D. Edwards. 2,394,069; Feb. 5.
- Dyestuffs and dyestuff intermediates, Cyanine. J. D. Kendall. 2,397,013; Mar. 19.
- Dyestuffs and dyestuff intermediates, Sensitizing. J. D. Kendall and D. J. Fry. 2,394,067; Feb. 5.
- Dyestuffs and dyestuff intermediates. J. D. Kendall and D. J. Fry. 2,394,068; Feb. 5.
- Dyestuffs and making same, Chromable. A. Conzetti and G. Schetty. 2,398,358; Apr. 16.
- Dyestuffs and their manufacture, Water-soluble disazo. G. Schetty. 2,399,064; Apr. 23.
- Dyestuffs, Anthraquinone. A. Lowe and A. C. Robson. 2,395,229; Feb. 19.
- Dyestuffs, Cyanine. J. D. Kendall. 2,397,014; Mar. 19.
- Dyestuffs, Cyanine. J. D. Kendall and D. J. Fry. 2,395,879; Mar. 5.
- Dyestuffs of the anthraquinone series and making same. S. von Allmen, and H. Eggenberger. 2,412,790; Dec. 17.
- Dyestuffs of the anthraquinone series, Preparation of vat. M. A. Perkins and P. R. Johnson. 2,413,514; Dec. 31.
- Dyestuffs of the anthraquinone series, Vat. W. Zerweck and E. Honold. 2,392,794; Jan. 8.
- Dyestuffs of the indanthrene series, Preparation of. H. Z. Lecher, M. Seclera, and E. M. Hardy. 2,396,582; Mar. 12.
- Dyestuffs of the phthalocyanine series and preparing the same. N. H. Haddock. 2,395,117; Feb. 19.
- Dyestuffs of the stilbene series and making, Polyzazo. W. Hanhart. 2,405,553; Aug. 6.
- Dyestuffs, Pyrrole azo. M. Mendoza and M. A. T. Rogers. 2,395,135; Feb. 19.
- Dyestuffs, Vat. M. H. Fleyscher. 2,400,195; May 14.
- Dynamic and static balancing machine. E. L. Schnoebele. 2,412,473; Dec. 10.
- Dynamic balancing machine. J. A. Tolman. 2,394,411; Feb. 5.
- Dynamic pressure gauge. D. Bancroft and R. W. Goranson. 2,398,401; Apr. 16.
- Dynamo-electric machine. A. Fisher. 2,394,049; Feb. 5.
- Dynamo-electric machine. R. F. Hertel. 2,398,638; Apr. 16.
- Dynamo-electric machine. S. I. Hitchcock. 2,408,641; Oct. 1.
- Dynamo-electric machine. R. Lamborn. 2,399,931; May 7.
- Dynamo-electric machine. T. M. Linville. 2,409,503; Oct. 15.
- Dynamo-electric machine. H. M. Martin. 2,407,504; Sept. 10.
- Dynamo-electric machine. H. Maxwell. 2,396,738; Mar. 19.
- Dynamo-electric machine. G. L. Moses and C. A. Atwell. 2,401,011; May 28.
- Dynamo-electric machine. M. A. Savage and M. F. Kent. 2,394,110; Feb. 5.
- Dynamo-electric machine. R. H. Sullivan. 2,399,768; May 7.
- Dynamo-electric machine. R. W. Wiseman. 2,412,851; Dec. 17.
- Dynamo-electric machine assembly. H. G. Hamilton, L. C. Pratt, and A. Skrobisch. 2,411,684; Nov. 26.
- Dynamo-electric machine, Frameless. B. A. Rose. 2,393,065; Jan. 15.
- Dynamo-electric machine, Totally enclosed. H. L. Smith. 2,413,525; Dec. 31.
- Dynamo-electric machine ventilating system. L. W. Wightman. 2,394,414; Feb. 5.
- Dynamo-electric machines, Cooling. R. D. Ingalls. 2,394,517; Feb. 5.
- Dynamometer. J. R. Wrathall and R. L. Findley. 2,394,131; Feb. 5.
- Dynamometer roll shields. H. L. Bennett. 2,397,461; Apr. 2.
- Dynamometer, Transmission. G. H. Walker. 2,398,167; Apr. 9.
- Ear muff. L. Plotsky. 2,405,326; Aug. 6.
- Ear muffs, Making helmet. J. J. McCann. 2,409,055; Oct. 8.
- Ear ornament. A. R. Lo Curto. 2,409,869; Oct. 15.
- Ear piece, Receiver. A. E. Woodruff. 2,407,731; Sept. 17.
- Ear protector. R. L. Motley. 2,396,113; Mar. 5.
- Ear protector. P. S. Veneklasen. 2,393,005; Jan. 15.
- Earring. C. C. Beck. 2,398,995; Apr. 23.
- Earring. A. S. Kna. 2,398,833; Apr. 23.
- Earring. M. Sherman and L. Palliser. 2,405,525; Aug. 6.
- Earring, Clip type. L. W. Hubble. Re. 22,729; Mar. 5.
- Earring construction. P. A. Raiche. 2,407,098; Sept. 3.
- Earth drill. H. S. Brown. 2,410,959; Nov. 12.
- Earth drill. C. W. Kandle. 2,401,280; May 28.
- Earth drilling machine. V. J. McCarthy. 2,394,194; Feb. 5.
- Earth formations penetrated by well bores, Determining permeability of. L. A. Courter. 2,413,435; Dec. 31.
- Earth moving machine. A. B. McFarlane. 2,408,671; Oct. 1.
- Eddy-current electric apparatus. M. P. Winther. 2,393,211; Jan. 15.
- Edge forming apparatus, Molded fibre. M. P. Chaplin. 2,408,734; Oct. 8.
- Edger, Lawn. F. L. Benthall, Sr. 2,410,196; Oct. 29.
- Edging articles, Machine and method for. G. W. Jackson. 2,404,844; July 30.
- Edging machine. G. W. Jackson. 2,406,606; Aug. 27.
- Edible product and obtaining same, Dehydrated. J. M. Hall. 2,400,460; May 14.
- Educational appliance. O. Schulz. 2,398,724; Apr. 16.
- Educational device. J. W. and R. Fay. 2,411,717; Nov. 26.
- Educational device. W. R. Holt. 2,402,162; June 18.
- Educational device. H. B. Hubble. 2,402,892; June 25.
- Educational device. E. E. Staples and B. Gonella. 2,401,841; June 11.
- Educational device. S. C. Withers, Jr. 2,394,282; Feb. 5.
- Efficiency determining device. J. Flatt. 2,395,042; Feb. 19.
- Egg candling apparatus. E. Bramson. 2,403,705; July 9.
- Egg cleaning machine. R. S. Davis. 2,412,565; Dec. 17.
- Egg filter. G. F. Hodson. 2,393,633; Jan. 29.
- Egg opening device. J. Mooss. 2,394,250; Feb. 5.
- Egg product. E. C. Scott and C. H. Parsons. 2,395,587; Feb. 26.
- Egg turning mechanism, Hydraulic. J. F. Hamlin. 2,204,228; July 16.
- Eggs, Whitening. J. D. Ingle. 2,413,631; Dec. 31.
- Ejector. N. Hansen. 2,393,320; Jan. 22.
- Ejector for heat seat fitting machines, Chip. T. B. Clarke and F. W. H. Williams. 2,409,737; Oct. 22.
- Ejector for thread rollers, Bolt. L. J. Mitchell. 2,411,932; Dec. 3.
- Ejector mechanism for firearms. J. Crowe. 2,407,477; Feb. 19.
- Elastic composition suitable for electrical cable insulation, Manufacture of. H. J. Cameron. 2,406,191; Aug. 20.
- Elastic fluid conditioning apparatus. J. L. Singleton. 2,409,159; Oct. 8.
- Elastic fluid engine. S. L. G. Knox. 2,405,359; Aug. 6.
- Elastic sheet material, Fabricated. T. J. Boecker. 2,401,132; May 28.
- Elastogenic dienes, Continuous process for preparing dispersions of polymerized. W. S. Calcott and H. W. Starkweather. 2,394,291; Feb. 5.
- Elastomer adapted for a chewing gum base. B. N. Lougovoy. 2,412,590; Dec. 17.
- Elastomer, and making it, Vulcanized synthetic. F. E. Gislak and W. H. Rieger. 2,402,020; June 11.
- Elastomers, Preparing dimethyl silicone. J. G. E. Wright and C. S. Oliver. 2,392,713; Jan. 8.
- Elasto-plastic window glazing compound. G. S. Merrill. 2,400,565; May 21.
- Elbow, Stove pipe. W. J. Bruhn and R. W. Simon. 2,392,220; Jan. 1.
- Electric air position indicator. W. H. T. Holden. 2,406,836; Oct. 3.
- Electric apparatus. L. P. Hart, Jr. 2,407,493; Sept. 10.
- Electric apparatus, Thermal protection of. F. R. Jackson, Jr. 2,403,372; July 2.
- Electric arc device. C. M. Slack and E. G. F. Arnott. 2,409,715; Oct. 22.
- Electric arc furnace. H. L. Kuehlthau, C. W. Vokac, and M. Del Monte. 2,396,663; Mar. 19.
- Electric arc furnace. W. E. Moore. 2,412,000; Dec. 3.
- Electric arc welding handle. C. M. Egan and C. H. Ledford. 2,397,252; Mar. 26.
- Electric beam tube. G. R. Kilgore. 2,392,155; Jan. 1.
- Electric bicycle. S. Argyris. 2,397,115; Mar. 26.
- Electric brake. L. F. Hemphill. 2,396,950; Mar. 19.
- Electric brake. De L. E. Sexton. 2,392,068; Jan. 1.
- Electric cable. C. E. Bennett. 2,400,530; Oct. 15.
- Electric cable. L. F. Hickernell and J. E. Talbott. 2,394,611; Feb. 12.
- Electric cable. H. A. Macdonald. 2,404,239; July 16.
- Electric cable. W. T. Peirce. 2,398,447; Apr. 16.
- Electric cable. J. Urnston. 2,403,693; July 9.
- Electric capacitor and dielectric for same. G. M. Ehlers and E. R. Roup. 2,398,088; Apr. 9.
- Electric catapult and power plant. R. C. Jones. 2,404,964; July 30.
- Electric catapult control. R. C. Jones. 2,412,514; Dec. 10.
- Electric circuit. B. D. Bedford. 2,405,397; Aug. 6.
- Electric circuit. F. E. Crever. 2,407,476; Sept. 10.
- Electric circuit. D. E. Kenyon. 2,410,081; Oct. 29.
- Electric circuit breaker. W. G. Harlow and G. A. Healis. 2,399,485; Apr. 30.
- Electric circuit breaker. L. S. Hobson. 2,393,164; Jan. 15.
- Electric circuit breaker. S. R. Smith, Jr. Re. 22,744; Apr. 9.
- Electric circuit breaker. C. Thumim, D. C. Prince, and H. B. Dhonau. 2,392,201; Jan. 1.
- Electric circuit interrupter. H. E. Cox. 2,392,647; Jan. 8.

- Electric circuit interrupter and disconnecting device. B. R. Hermann. 2,393,165; Jan. 15.
- Electric conduit and making same. M. O. Searle. 2,400,606; May 21.
- Electric connector. R. G. Olson. 2,406,895; Sept. 3.
- Electric contact. F. R. Hensel. 2,396,100; Mar. 5.
- Electric contact. F. R. Hensel, K. L. Emmert, and J. W. Wiggs. 2,400,003; May 7.
- Electric contact snap fastener. O. J. Huelster. 2,404,176; July 16.
- Electric control. C. J. Lundborg. 2,412,163; Dec. 3.
- Electric control and protective systems. O. W. Livingston. 2,394,084; Feb. 5.
- Electric control circuit. M. E. Bivens. 2,411,708; Nov. 26.
- Electric control circuit. D. W. Borst. 2,404,614; July 23.
- Electric control circuit. B. G. Higgins. 2,395,626; Feb. 26.
- Electric control circuit. E. E. Moyer. 2,411,744-5; Nov. 26.
- Electric control circuit. E. C. Wahlberg. 2,394,029; Feb. 5.
- Electric control circuit. E. C. Wahlberg. 2,399,699; May 7.
- Electric control device. M. F. and R. C. Jones. 2,412,513; Dec. 10.
- Electric control means for veneer clippers. W. J. Miller and A. C. Johnson. 2,394,558; Feb. 12.
- Electric control system. G. M. Adams and J. C. Aydelott. 2,393,620; Jan. 29.
- Electric control system. G. M. Adams and H. G. Moore. 2,393,622; Jan. 29.
- Electric control system. E. E. Moyer. 2,393,701; Jan. 29.
- Electric controller apparatus. F. Breckenridge. 2,394,142; Feb. 5.
- Electric controlling apparatus. J. F. Hysler. 2,396,851; Mar. 19.
- Electric controlling apparatus. F. G. Logan. 2,396,379; Mar. 12.
- Electric coupling system. A. G. Manke. 2,392,170; Jan. 1.
- Electric device, Light-sensitive. R. S. Ohl. 2,402,662; June 25.
- Electric discharge controlling position. O. E. Esval and R. S. Curry, Jr. 2,393,370; Jan. 29.
- Electric discharge device. L. Evans. 2,408,383; Oct. 1.
- Electric discharge device. G. M. White. 2,406,276; Aug. 20.
- Electric discharge device circuit. P. C. Michel. 2,407,505; Sept. 2.
- Electric discharge device, High-frequency. R. J. Bondley. 2,406,277; Aug. 20.
- Electric discharge devices, Starting control for. L. H. Zytz. 2,398,128; Apr. 9.
- Electric discharge lamp. V. J. Francis and E. H. Nelson. 2,404,933; July 30.
- Electric discharge lamp. E. Lemmers. 2,403,184; July 2.
- Electric discharge tube. W. C. Brown. 2,402,983; July 2.
- Electric distance meter. G. Potapenko. 2,404,527; July 23.
- Electric distribution system. J. B. Caraway. 2,393,218; Jan. 15.
- Electric drive. D. S. Kellogg. 2,395,000; Feb. 19.
- Electric fan assembly. F. Collura. 2,395,167; Feb. 19.
- Electric follow-up switch. G. Olah. 2,400,018; May 7.
- Electric furnace. R. D. Hall. 2,404,059; July 16.
- Electric furnace. A. L. Weyhing. 2,398,874; Apr. 23.
- Electric fuse connection plug. B. J. Seuryneck. 2,404,407; July 23.
- Electric gauge. R. Mestas. 2,408,524; Oct. 1.
- Electric generator. J. W. Bayles. 2,404,209; July 16.
- Electric glass melting furnace. C. F. De Voe. 2,413,037; Dec. 24.
- Electric hand lamp such as inspection lamp, Portable. R. P. H. Hinds. 2,413,628; Dec. 31.
- Electric heater. A. J. Gardenhour. 2,405,783; Aug. 13.
- Electric heater. H. L. Newell. 2,393,182; Jan. 15.
- Electric heater. G. L. Wicks. 2,400,618; May 21.
- Electric heater. C. C. Wicks. 2,404,336; July 16.
- Electric heater. E. L. Wiegand. 2,392,076; Jan. 1.
- Electric heater. E. L. Wiegand. 2,400,872; May 21.
- Electric heater. E. L. Wiegand. 2,413,478; Dec. 31.
- Electric heater. E. L. Wiegand. 2,413,536; Dec. 31.
- Electric hot-plate unit. E. L. Wiegand. 2,413,477; Dec. 31.
- Electric ignition control. R. M. Kaufmann. 2,395,660; Feb. 26.
- Electric impulse generator. L. E. Quinnett. 2,400,262; May 14.
- Electric induction apparatus and coil support. A. Jarmann, Jr. 2,393,169; Jan. 15.
- Electric induction machine. D. C. Prince. 2,401,187; May 28.
- Electric iron. W. L. Gould. 2,408,209; Sept. 24.
- Electric iron. T. F. Safady. 2,395,584; Feb. 26.
- Electric iron. F. V. Scharf. 2,408,886; Oct. 8.
- Electric lamp. P. F. Early. 2,404,476; July 23.
- Electric lamp. J. E. Golob and A. D. Dirksen. 2,399,021; May 7.
- Electric lamp. G. C. Singer. 2,398,968-71; Apr. 23.
- Electric lamp adapter. E. R. Noet. 2,394,448; Feb. 5.
- Electric lighting fixture. D. J. Biller. 2,392,306; Jan. 8.
- Electric lighting fixture. F. Stempfl. 2,402,367; May 14.
- Electric lighting switch. B. Reisberg and D. Schwarz. 2,412,062; Dec. 3.
- Electric machine. W. Farrell. 2,394,296; Feb. 5.
- Electric motor. G. L. Carson. 2,406,193; Aug. 20.
- Electric motor. H. B. Fuge. 2,393,527; Jan. 22.
- Electric motor. R. Lee. 2,406,389; Aug. 27.
- Electric motor. J. D. Lewis. 2,403,665; July 9.
- Electric motor. E. Prat Divl. 2,401,662; June 4.
- Electric motor. J. W. Suydam. 2,402,214; June 18.
- Electric motor control system. G. M. Adams. 2,393,621; Jan. 29.
- Electric motor control system. G. H. Pettibone. 2,394,100; Feb. 5.
- Electric-motor-driven combined camera focal-plane shutter and filmfeed. E. S. Hinelein. 2,393,534; Jan. 22.
- Electric motor system. T. C. Sharp. 2,412,656; Dec. 17.
- Electric outlet box. S. B. Osinski. 2,393,588; Apr. 2.
- Electric oven. L. F. Berg. 2,392,796; Jan. 8.
- Electric plug. G. B. Benander. 2,398,996; Apr. 23.
- Electric power distribution system. C. E. Bennett. 2,412,556; Dec. 17.
- Electric power system. M. A. Edwards, D. E. Garr, and J. C. Aydelott. 2,393,618; Jan. 29.
- Electric ratiometer. E. C. Klepp. 2,400,308; May 14.
- Electric regulator. W. A. Croth. 2,394,753; Feb. 12.
- Electric resistance element and operating the same. S. H. Stupakoff. 2,397,445; Mar. 26.
- Electric roller iron. H. C. Fairley. 2,401,820; June 11.
- Electric screw driver and nut runner. G. C. Willhide. 2,394,348; Feb. 5.
- Electric signaling system. H. M. M. d'Assis-Fonseca and H. J. Ward. 2,397,596; Apr. 2.
- Electric snap switch. M. J. Wohl. 2,404,874; July 30.
- Electric soldering, brazing, and like tool. H. J. Lorient and J. W. Bridgland. 2,398,946; Apr. 23.
- Electric soldering device. R. E. Haines and J. V. Adams. 2,397,348; Mar. 26.
- Electric soldering iron. F. D. McCully. 2,396,709; Mar. 19.
- Electric soldering iron. O. Wertheim and L. Moses. 2,403,158; July 2.
- Electric switch. C. A. Adams. 2,408,157; Sept. 24.
- Electric switch. J. M. Anderson. 2,401,538; June 4.
- Electric switch. E. H. Ayers. 2,402,866; June 25.
- Electric switch. E. J. Baumgardner. 2,413,135; Dec. 24.
- Electric switch. F. D. Bryant. 2,399,462; Apr. 30.
- Electric switch. W. L. Butler. 2,409,472; Oct. 15.
- Electric switch. G. P. Clute. 2,404,216; July 16.
- Electric switch. T. M. Cole. 2,412,494; Dec. 10.
- Electric switch. A. G. Elmdorf. 2,392,134; Jan. 1.
- Electric switch. D. C. Espley. 2,401,863; June 11.
- Electric switch. E. B. Farmer and E. L. Lawson. 2,411,086; Nov. 12.
- Electric switch. H. K. Gandelot. 2,409,483; Oct. 15.
- Electric switch. G. W. Glover. 2,399,020; May 7.
- Electric switch. C. I. Hall and A. W. Bedford. 2,401,153; May 28.
- Electric switch. G. M. Hausler. 2,400,754; May 21.
- Electric switch. O. A. Huntsman. 2,411,730; Nov. 26.
- Electric switch. W. J. Kelleigh. 2,411,576; Nov. 26.
- Electric switch. H. L. Lambert. 2,395,052; Feb. 19.
- Electric switch. F. G. Logan. 2,407,710; Sept. 17.
- Electric switch. D. B. MacKendrick. 2,401,650; June 4.
- Electric switch. G. L. McFarland, Jr. 2,394,090; Feb. 5.
- Electric switch. F. E. Tiffany. 2,395,698; Feb. 26.
- Electric switch devices. E. C. Wahlberg. 2,393,846; Jan. 29.
- Electric switch sensitive to small operating movements. A. Arnot. 2,408,901; Oct. 8.
- Electric switching device, Lever-operated. J. A. Chilmann. 2,395,036; Feb. 19.
- Electric swivel connector. W. F. Boehlke. 2,404,564; July 23.
- Electric systems, Protection of. L. F. Kennedy. 2,398,648; Apr. 16.
- Electric systems, Supervision of. A. R. van C. Warrington. 2,405,079; July 30.
- Electric thermal switch. E. E. Sprague. 2,405,767; Aug. 13.
- Electric translating circuit. O. W. Livingston. 2,392,249; Jan. 1.
- Electric water heater. R. A. Blanchard. 2,403,334; July 2.
- Electric water heater of the storage type. A. R. Draffin. 2,413,611; Dec. 31.
- Electric wave filter. D. C. Rogers. 2,411,555; Nov. 26.
- Electric wave multiplier circuit. K. R. Wendt. 2,398,064; Apr. 9.
- Electric welding rod holder. A. De W. Best. 2,404,028; July 16.
- Electric welding with portable flux box. J. E. Rudy and J. J. Zaleski. 2,412,065; Dec. 3.
- Electrical apparatus. R. B. Albright. 2,410,329; Oct. 29.
- Electrical apparatus. B. O. Austin. 2,393,950; Feb. 5.
- Electrical apparatus. B. O. Austin. 2,393,951; Feb. 5.
- Electrical apparatus. L. Batchelder. 2,407,242; Sept. 10.
- Electrical apparatus. L. H. Bedford. 2,402,359; June 18.
- Electrical apparatus. H. Benioff. 2,413,309; Dec. 31.
- Electrical apparatus. D. A. Bell and A. H. A. Wynn. 2,408,192; Sept. 24.
- Electrical apparatus. H. Benioff. 2,407,245; Sept. 10.

- Electrical apparatus. H. Benioff. 2,408,405-6; Oct. 1.
 Electrical apparatus. W. H. Bussey. 2,407,363; Sept. 10.
 Electrical apparatus. G. Camilli. 2,402,366; June 18.
 Electrical apparatus. W. F. Fell. 2,411,781; Nov. 26.
 Electrical apparatus. R. M. Joyce, Jr. 2,392,388; Jan. 8.
 Electrical apparatus. H. Klempner. 2,397,966; Apr. 9.
 Electrical apparatus. J. F. Kovalsky. 2,403,087; July 2.
 Electrical apparatus. J. W. McElvain. 2,412,902; Dec. 17.
 Electrical apparatus. A. Pottinger. 2,394,102; Feb. 5.
 Electrical apparatus. T. C. Riebe. 2,395,939; Mar. 5.
 Electrical apparatus. T. T. Short. 2,404,254; July 16.
 Electrical apparatus. J. Toth. 2,399,406; Apr. 30.
 Electrical apparatus. G. E. Wald. 2,405,929; Aug. 13.
 Electrical apparatus adapted to operate at very high frequencies. D. C. Espley. 2,402,540; June 25.
 Electrical apparatus, Oil-filled. S. J. Rosch. 2,405,853; Aug. 13.
 Electrical apparatus, Spark gap. M. E. Haine and J. M. Meek. 2,400,456-7; May 14.
 Electrical arcs, Control of. H. C. Gillespie. 2,411,325; Nov. 19.
 Electrical attachment plug. B. J. Bir. 2,411,846; Dec. 3.
 Electrical bore hole apparatus, Compensating means for. C. E. Aiken. 2,411,843; Dec. 3.
 Electrical calculating machine. H. P. Luhn. 2,394,925; Feb. 12.
 Electrical circuit. B. M. Harrison. 2,410,065; Oct. 29.
 Electrical circuit. J. N. Whitaker. 2,404,307; July 16.
 Electrical circuit arrangement. H. G. Boyle. 2,391,862; Jan. 1.
 Electrical circuit controlling device. H. F. Cypser. 2,392,810; Jan. 15.
 Electrical circuit employing non-linear resistance material. C. E. Rice. 2,409,150; Oct. 8.
 Electrical coil-winding machine. J. W. Miller. 2,412,280; Dec. 10.
 Electrical compressor method and system. F. G. Albin. 2,395,159; Feb. 19.
 Electrical condenser. J. Burnham. 2,408,910; Oct. 8.
 Electrical condenser. G. P. Smith. 2,405,529; Aug. 6.
 Electrical conducting swing joint. D. M. Phillips. 2,407,445; Sept. 10.
 Electrical conductor connections, Forming solderless. W. T. Eppler and H. L. Husson. 2,393,355; Jan. 22.
 Electrical conductor, Insulated. W. C. Sears. 2,413,673; Dec. 31.
 Electrical conductors having a knitted protective jacket. Manufacturing. M. D. Swartz and K. N. Yellott. 2,391,931; Jan. 1.
 Electrical connecting and radio-shielding means. W. J. Spengler. 2,399,402; Apr. 30.
 Electrical connection. H. A. F. Kunasch. 2,394,618; Feb. 12.
 Electrical connection. H. F. Lenz. 2,394,618; Feb. 12.
 Electrical connector. C. Antony, Jr., and E. Isbister. 2,411,861; Dec. 3.
 Electrical connector. S. N. Buchanan. 2,406,346; Aug. 27.
 Electrical connector. C. E. Carson. 2,410,961; Nov. 12.
 Electrical connector. L. W. Evans. 2,409,200; Oct. 15.
 Electrical connector. M. C. Gauthier. 2,408,843; Oct. 8.
 Electrical connector. C. A. Good. 2,402,279; June 18.
 Electrical connector. J. C. Macy. 2,398,433; Apr. 16.
 Electrical connector. A. C. Smith. 2,393,451; Jan. 22.
 Electrical connector. H. E. Somes. 2,398,260; Apr. 9.
 Electrical connector. J. E. Stevens. 2,410,691; Nov. 5.
 Electrical connector. T. C. and A. C. Still. 2,393,485; Jan. 22.
 Electrical connector. C. E. Wade. 2,392,438; Jan. 8.
 Electrical connector. W. S. Watts. 2,410,321; Oct. 29.
 Electrical contact. F. R. Hensel and E. I. Larsen. 2,396,101; Mar. 5.
 Electrical contact. P. G. Weiller. 2,394,501; Feb. 5.
 Electrical contact element. R. H. Savage. 2,393,816; Jan. 29.
 Electrical contact element. R. H. Savage. 2,404,662; Jan. 23.
 Electrical contact heater. A. A. Reiser. 2,410,362; Oct. 29.
 Electrical contact plug. C. A. Woodward. 2,398,684; Apr. 16.
 Electrical control apparatus. C. J. Collom and G. E. Undy. 2,395,849; Mar. 5.
 Electrical control apparatus. J. Geier. 2,392,913; Jan. 15.
 Electrical control system. J. W. Dawson. 2,394,535; Feb. 12.
 Electrical control system. J. A. Van den Akker. 2,411,672; Nov. 26.
 Electrical coupling circuits. H. I. Reiskind and A. Badmaeff. 2,396,531; Mar. 12.
 Electrical device. W. C. Slauson. 2,395,300; Feb. 19.
 Electrical device. E. C. Wahlberg. 2,390,272-4; Apr. 30.
 Electrical device. V. I. Zelov. 2,410,618; Nov. 5.
 Electrical device, Rough service. A. L. Powell and W. J. Robinson. 2,398,595; Apr. 16.
 Electrical differentiator. H. G. Och and K. D. Swartzel, Jr. 2,412,227; Dec. 10.
 Electrical discharge device. E. F. Lowry and F. P. Rogers. 2,409,771; Oct. 22.
 Electrical discharge device. H. E. Tanis, Jr. 2,408,822; Oct. 8.
 Electrical equipment. H. A. Jaber. 2,410,287; Oct. 29.
 Electrical filter. A. Badmaeff. 2,397,772; Apr. 2.
 Electrical follow-up. W. H. Newell. 2,405,045; July 30.
 Electrical follow-up system. A. C. de Beauregard. 2,399,929; Apr. 30.
 Electrical gaseous discharge lamp. C. G. Smith. 2,404,002; July 16.
 Electrical ground clamp. C. J. Shrader. 2,408,276; Sept. 24.
 Electrical heating apparatus. W. M. Roberts. 2,395,196; Feb. 19.
 Electrical heating apparatus. C. E. Weller. 2,405,866; Aug. 13.
 Electrical ignition system. M. W. G. Chitty. 2,397,725; Apr. 2.
 Electrical impulses and record produced thereby. Recording. J. A. Maurer, Jr. 2,404,137; July 16.
 Electrical indication at a distance. G. C. Hartley, E. M. S. McWhorter, and J. Handley. 2,397,604; Apr. 2.
 Electrical indicator. H. M. Norman. 2,401,839; June 11.
 Electrical inspection and sorting apparatus. C. Stevens. 2,399,582; Apr. 30.
 Electrical instrument, Direct current ratio measuring. R. G. Jewell. 2,409,866; Oct. 22.
 Electrical machine. S. J. Liddington. 2,401,969; July 30.
 Electrical machine. J. F. Perfetti and H. E. Waldron. 2,407,935; Sept. 17.
 Electrical measurement. R. C. Olesen. 2,400,571; May 21.
 Electrical measuring instrument. J. D. Seaver and E. M. Frye. 2,394,113; Feb. 5.
 Electrical measuring instrument. A. Wolf. 2,400,326; May 14.
 Electrical measuring system. G. L. Prudhon. 2,404,886; July 30.
 Electrical multiple instrument system. F. L. Phillips and A. J. Phillips. 2,392,184; Jan. 1.
 Electrical multiplying circuit. A. V. Bedford. 2,401,404; June 4.
 Electrical precipitator. H. J. White. 2,395,927; Mar. 5.
 Electrical prospecting method and apparatus. J. W. Millington. 2,398,800; Apr. 23.
 Electrical protective device. N. Rochester. 2,412,751; Dec. 17.
 Electrical pulses, Timing of. A. C. Schroeder. 2,402,916; June 25.
 Electrical recording. B. V. Magee. 2,391,912; Jan. 1.
 Electrical rectifiers and the like, Making. S. J. Waintrob. 2,399,773; May 19.
 Electrical registering and position indicator. F. H. Hagner. 2,402,396; June 18.
 Electrical regulating device. D. H. Rogers. 2,409,151; Oct. 8.
 Electrical relay. H. J. Carlin. 2,404,945; July 30.
 Electrical resistance and producing the same. R. L. Hartwell. 2,396,090; Mar. 5.
 Electrical resistance cards, Apparatus for and method of making contoured. W. J. Kindermann and W. W. Werring. 2,412,619; Dec. 17.
 Electrical resistance elements durable at high temperatures and proof against chemical action and making same. A. R. Weintraub. 2,412,373-4-5-6; Dec. 10.
 Electrical resistor. B. C. Bricker. 2,394,591; Feb. 12.
 Electrical signaling system. J. F. Mackenzie. 2,395,132; Feb. 19.
 Electrical space discharge tube. R. Wood. 2,406,422; Aug. 27.
 Electrical switch. H. S. Beattie and W. K. David. 2,412,584; Dec. 10.
 Electrical switch. D. L. Harford. 2,405,035; July 30.
 Electrical switch. B. J. Prussack. 2,399,449; Apr. 30.
 Electrical switch and outlet box mounting. J. B. Cooper. 2,406,587; Aug. 27.
 Electrical system. A. H. Dickinson. 2,408,613; Oct. 1.
 Electrical system and apparatus. P. K. Ranney. 2,408,104; Aug. 20.
 Electrical system for the control of mechanical devices. J. J. Moynihan. 2,408,472; Oct. 1.
 Electrical transformer and coil. J. K. Webb. 2,392,790; Jan. 8.
 Electrical transformer apparatus. C. P. Boucher. 2,391,875; Jan. 1.
 Electrical translating device utilizing silicon. R. S. Ohl. 2,402,839; June 25.
 Electrical well logging method and apparatus. M. E. Chun. 2,393,009; Jan. 15.
 Electrical winding. M. Flatland. 2,404,129; July 16.
 Electrical wiring systems, Coupling for. W. E. Hill and T. D. G. Wintle and R. W. Morgan. 2,403,979; July 16.
 Electrically heated cover. L. Maric. 2,404,736; July 23.
 Electrically-heated device and resistance element therefor. A. E. Reimers. 2,403,022; July 2.
 Electrically operated valve. J. Harding, Jr. 2,413,622; Dec. 31.
 Electrically propelled car construction. M. F. Jones. 2,412,511; Dec. 10.
 Electricity conductor unit. J. F. O'Brien. 2,413,032; Dec. 24.

- Electricity plug clamp. E. J. Lachance. 2,399,644; May 7.
- Electroacoustic binaural listening system. F. S. Claassen. 2,393,885; Jan. 29.
- Electroacoustical apparatus and using the same. F. Massa. 2,396,519; Mar. 12.
- Electrocardiograph. P. Traugott. 2,412,639; Dec. 17.
- Electrocardiographic examinations, Method and apparatus for conducting. M. S. White. 2,400,583; May 21.
- Electrochemical process for production of sodium perchlorate. J. R. Ryan. 2,392,769; Jan. 8.
- Electrochemical treating chromite ore. J. Schuelein. 2,410,242; Oct. 29.
- Electrocutter, Insect. G. Bowser. 2,404,687; July 23.
- Electrode. W. W. Eitel and J. A. McCullough. 2,393,459; Jan. 22.
- Electrode. C. S. Szegho. 2,408,994; Oct. 8.
- Electrode, Activated. S. H. Noble and H. P. Rooksby. 2,394,095; Feb. 5.
- Electrode and making same. J. B. Brennan. 2,406,345; Aug. 27.
- Electrode and making the same. L. C. Werner. 2,398,609; Apr. 16.
- Electrode assembly for discharge tubes. P. L. Spencer. 2,413,006; Dec. 24.
- Electrode, Buoyant. F. C. Jones. 2,396,268; Mar. 12.
- Electrode, Buoyant. B. Levinson. 2,396,271; Mar. 12.
- Electrode, Coated. C. D. Jensen. 2,394,550; Feb. 12.
- Electrode, Composite. A. F. Meston. 2,409,579; Oct. 15.
- Electrode construction, Welding. R. R. Harwood. 2,411,859; Dec. 2.
- Electrode cooling, Welding. F. R. Hensel and E. I. Larsen. 2,392,736; Jan. 8.
- Electrode, Corrosion preventing. C. H. Bunn, Jr., and L. W. Schrader. 2,404,031; July 16.
- Electrode, Dielectric heating. J. C. Quayle and P. Jones. 2,404,191; July 16.
- Electrode for buoyant cables. C. E. Bennett. 2,409,531; Oct. 15.
- Electrode for diathermy treatments. C. K. Gieringer. 2,404,283; July 16.
- Electrode for discharge lamp, End-cap. D. S. Gustin and A. L. Herman. 2,404,057; July 16.
- Electrode for electrical precipitators, Collecting. F. H. Viets. 2,397,302; Mar. 26.
- Electrode for electron discharge devices. D. R. Kiser. 2,398,012; Apr. 9.
- Electrode for field emission discharge device, Controlled. J. H. Findlay, C. E. Dawley, and A. Pfeiffer. 2,407,979; Sept. 24.
- Electrode for spot welding. M. Dobkowski. 2,409,550; Oct. 15.
- Electrode foundation structures, Manufacturing. H. B. Law. 2,403,225; July 2.
- Electrode, High-frequency. G. T. Hart. 2,412,982; Dec. 24.
- Electrode holder. P. L. Bourque. 2,395,213-4; Feb. 19.
- Electrode holder. W. E. Cardinal. 2,413,213; Dec. 24.
- Electrode holder. J. E. Cotton. 2,412,717; Dec. 17.
- Electrode holder. T. S. Donnelly, Jr. 2,404,125; July 16.
- Electrode holder. T. S. Donnelly, Jr. 2,404,437; July 23.
- Electrode holder. A. C. Gough. 2,406,365; Aug. 27.
- Electrode holder. H. A. Jackson. 2,410,164; Oct. 29.
- Electrode holder. M. S. Kenworthy. 2,403,086; July 2.
- Electrode holder. H. N. Liningier. 2,395,228; Feb. 19.
- Electrode holder. R. Munro and A. A. Albright. 2,398,032; Apr. 9.
- Electrode holder. E. A. Randall. 2,414,204; Feb. 5.
- Electrode holder. C. Ringwald. 2,411,980; Dec. 3.
- Electrode holder. A. H. Smith. 2,393,830; Jan. 29.
- Electrode holder. M. Wells. 2,405,536; Aug. 6.
- Electrode holder. W. E. Wilson. 2,401,383; June 4.
- Electrode joint. J. W. Droll. 2,412,081; Dec. 3.
- Electrode, Magnetic minesweeping underwater. W. L. Williams, Jr. 2,396,734; Mar. 19.
- Electrode manufacture. T. J. Radcliffe. 2,392,879; Jan. 15.
- Electrode, Spark plug. L. B. Pfeil. 2,406,966; Sept. 3.
- Electrode stem clamp. J. Quinn and R. A. Horst. 2,397,806; Apr. 2.
- Electrode structure. G. P. Chevigny and H. G. Busignies. 2,412,965; Dec. 24.
- Electrode structure and manufacture. H. B. Law. 2,403,224; July 2.
- Electrode structure and manufacture. W. M. Trumbull and B. W. Kinyon. 2,413,267; Dec. 24.
- Electrode structure, Collecting. W. M. Schmidt and D. K. Townsend. 2,412,912; Dec. 17.
- Electrode, Subaqueous arc-welding and cutting. B. Ronay. 2,410,461; Nov. 5.
- Electrode support. D. G. Clifford. 2,409,684; Oct. 22.
- Electrode, Welding. C. F. Leathers. 2,402,646; June 25.
- Electrodes, Arc welding. E. F. Friedlander. 2,408,619-20; Oct. 1.
- Electrodes in electric discharge tubes, Mounting of. A. L. Chilcot and S. Jackson. 2,395,991; Mar. 5.
- Electrodes, Preparation of. P. G. Chevigny. 2,411,522; Nov. 26.
- Electrodeposition of insulating material. S. Ruben. 2,393,068; Jan. 15.
- Electrodeposition of manganese. W. E. Bradt and H. H. Oaks. 2,398,614; Apr. 16.
- Electrodeposition of metals and bath composition therefor. K. M. Garver. 2,406,072; Aug. 20.
- Electrodeposition of zinc. R. M. Wick. 2,392,075; Jan. 1.
- Electroencephalograph device. L. Garceau. 2,409,033; Oct. 8.
- Electrogalvanizing. C. H. Ward. 2,399,964; May 7.
- Electrolytic switch. O. C. Bagwell. 2,395,833; Mar. 5.
- Electrolytes, Composition for purifying. D. L. Griffith and L. G. Hendrickson. 2,405,302; Aug. 6.
- Electrolytes, Purifying. D. L. Griffith and L. G. Hendrickson. 2,396,569; Mar. 12.
- Electrolytic alkali halogen cells. K. E. Stuart. 2,392,868; Jan. 15.
- Electrolytic can cleaner. A. C. Herro and P. Smart. 2,410,213; Oct. 29.
- Electrolytic cell. B. G. Hunt. 2,393,685; Jan. 29.
- Electrolytic cell. R. J. McNitt. 2,399,630; Jan. 22.
- Electrolytic cell. T. A. Mitchell. 2,398,590; Apr. 16.
- Electrolytic condenser and electrode therefor. J. M. Boos. 2,404,824; July 30.
- Electrolytic device and making same. J. B. Brennan. 2,392,968; Feb. 5.
- Electrolytic devices, Making. J. B. Brennan. 2,412,201; Dec. 10.
- Electrolytic polishing. C. Batcheller. 2,409,097; Oct. 8.
- Electrolytic polishing and removing excess metal. L. B. Fried. 2,412,958; Dec. 3.
- Electromagnet. C. E. Bazley. 2,405,396; Aug. 6.
- Electromagnet. E. A. Derungs. 2,407,603; Sept. 10.
- Electromagnet. J. F. Freese. 2,400,344; May 14.
- Electromagnet. L. J. Goldberg. 2,406,285; Aug. 20.
- Electromagnet. W. V. Lovell. 2,400,869; May 28.
- Electromagnet. L. T. Rader. 2,394,103; Feb. 5.
- Electromagnet. M. Staley. 2,412,304; Dec. 10.
- Electromagnet. D. C. Wright and A. L. Ward. 2,410,794; Apr. 30.
- Electromagnet, Shockproof. T. M. Spittler. 2,399,517; Nov. 26.
- Electromagnetic apparatus. R. M. Nardone. 2,411,800; Apr. 30.
- Electromagnetic apparatus. M. P. Winther. 2,403,421; July 2.
- Electromagnetic clutch. W. P. Lear. 2,401,003; May 28.
- Electromagnetic contactor, Latchable. D. Ellis and J. H. Alspach. 2,399,336; Apr. 30.
- Electromagnetic device. R. E. H. Carpenter. 2,412,123; Dec. 3.
- Electromagnetic device. W. A. Ray. 2,410,183; Oct. 29.
- Electromagnetic device. R. S. G. Terry and R. E. H. Carpenter. 2,396,135; Mar. 5.
- Electromagnetic device. A. R. Woolfolk. 2,400,184; May 14.
- Electromagnetic device, Making. D. E. Wiegand. 2,404,016; July 16.
- Electromagnetic friction device. J. G. Oetzel. 2,395,905; Mar. 5.
- Electromagnetic motor. S. E. Werner. 2,404,331; July 16.
- Electromagnetic operator. W. A. Ray. 2,399,295; Apr. 30.
- Electromagnetic product and making the same. R. G. Guthrie and J. Chumassero. 2,407,234; Sept. 10.
- Electromagnetic pump. E. Friedlander. 2,397,785; Apr. 2.
- Electromagnetic relay. J. H. Horman. 2,393,535; Jan. 22.
- Electromagnetic relay. R. B. King and R. L. Huffman. 2,412,273; Dec. 10.
- Electromagnetic structures, Release means for. S. S. Cramer. 2,393,590; Jan. 29.
- Electromagnetic switch. H. E. Schleicher. 2,399,575; Apr. 30.
- Electromagnetic switch coil mounting. H. E. Schleicher. 2,399,065; Apr. 23.
- Electromechanical device. R. Black, Jr., and F. F. Romanow. 2,405,179; Aug. 6.
- Electromechanical device. L. G. Bostwick and J. H. King. 2,404,785; July 30.
- Electromechanical device. W. R. Harry. 2,404,375; July 23.
- Electromechanical device. W. R. Harry and F. F. Romanow. 2,404,798; July 30.
- Electromechanical signal translating apparatus. L. J. Anderson. 2,400,281; May 14.
- Electron acceleration. D. H. Sloan. 2,398,162; Apr. 9.
- Electron accelerator control system. W. F. Westendorp. 2,394,072; Feb. 5.
- Electron beam modulator. A. L. Samuel. 2,410,840; Nov. 12.
- Electron beam relay. A. E. Anderson. 2,409,179; Oct. 15.
- Electron device and manufacture. G. M. Dinnick and L. C. Werner. 2,402,029; June 11.
- Electron discharge apparatus. J. H. Fremlin. 2,406,824; Sept. 3.
- Electron discharge apparatus. J. H. Fremlin and R. N. Hall. 2,410,054; Oct. 29.
- Electron discharge apparatus. F. D. Goodchild. 2,411,538; Nov. 26.
- Electron discharge apparatus. J. R. Pierce. 2,406,850; Sept. 3.
- Electron discharge apparatus. R. K. Potter. 2,403,996; July 23.
- Electron discharge apparatus. A. L. Samuel. 2,409,644; Oct. 22.

- Electron discharge apparatus. A. M. Skellett. 2,395,299; Feb. 19.
- Electron discharge apparatus. D. L. Snow. 2,408,817; Oct. 8.
- Electron discharge apparatus. High frequency. W. W. Hansen. 2,392,379; Jan. 8.
- Electron discharge apparatus. High frequency. D. E. Kenyon. 2,410,822; Nov. 12.
- Electron discharge circuit. S. Berkoff and R. B. Dome. 2,410,703; Nov. 5.
- Electron discharge device. W. E. Bahls. 2,409,466; Oct. 15.
- Electron discharge device. C. E. Brigham. 2,411,515; Nov. 26.
- Electron discharge device. L. F. Broadway and C. S. Bull. 2,410,863; Nov. 12.
- Electron discharge device. C. S. Bull. 2,409,417; Oct. 15.
- Electron discharge device. G. P. Chevigny. 2,404,363; July 23.
- Electron discharge device. P. G. Chevigny and J. J. Glauber. 2,411,523; Nov. 26.
- Electron discharge device. L. B. Curtis. 2,412,800; Dec. 17.
- Electron discharge device. H. J. Dailey. 2,409,667; Oct. 22.
- Electron discharge device. H. J. Dailey and L. C. Werner. 2,404,042; July 16.
- Electron discharge device. W. A. Depp. 2,392,367; Jan. 8.
- Electron discharge device. R. C. Dorris. 2,402,030; June 11.
- Electron discharge device. B. J. Edwards. 2,399,429; Apr. 30.
- Electron discharge device. W. R. Ferris. 2,396,167; Mar. 5.
- Electron discharge device. O. H. Fulton, Jr. 2,396,170; Mar. 5.
- Electron discharge device. J. J. Glauber. 2,397,854; Apr. 2.
- Electron discharge device. F. D. Goodchild. 2,395,043; Feb. 19.
- Electron discharge device. F. D. Goodchild. 2,406,827; Sept. 3.
- Electron discharge device. N. H. Green and W. B. Rupp. 2,411,205; Nov. 19.
- Electron discharge device. A. V. Haeff. 2,398,499; Apr. 16.
- Electron discharge device. A. V. Haeff. 2,398,829; Apr. 23.
- Electron discharge device. P. L. Hartman. 2,403,444; July 9.
- Electron discharge device. E. W. Herold. 2,409,485; Oct. 15.
- Electron discharge device. G. R. Kilgore. 2,407,705; Sept. 17.
- Electron discharge device. G. R. Kilgore. 2,407,707; Sept. 17.
- Electron discharge device. G. R. Kilgore, W. R. Ferris, and C. Shulman. 2,407,163; Sept. 3.
- Electron discharge device. G. R. Kilgore and L. Malter. 2,407,708; Sept. 17.
- Electron discharge device. J. P. Laico. 2,403,445; July 9.
- Electron discharge device. J. P. Laico. 2,411,548; Nov. 26.
- Electron discharge device. J. P. Laico and V. L. Ronci. 2,404,802; July 30.
- Electron discharge device. A. H. Laidig. 2,409,694; Oct. 22.
- Electron discharge device. C. V. Litton. 2,412,997-8; Dec. 24.
- Electron discharge device. L. Malter. 2,404,078; July 16.
- Electron discharge device. J. A. Morton. 2,409,222; Oct. 15.
- Electron discharge device. I. E. Mourmetsff and G. M. Dinick. 2,404,082; July 16.
- Electron discharge device. D. O. North. 2,413,244; Dec. 24.
- Electron discharge device. E. C. Okress. 2,409,693; Oct. 22.
- Electron discharge device. J. R. Pierce and W. G. Shepherd. 2,411,913; Dec. 3.
- Electron discharge device. G. M. Rose, Jr. 2,412,836; Dec. 17.
- Electron discharge device. B. Salzberg. 2,409,591; Oct. 15.
- Electron discharge device. O. H. Schade. 2,412,291; Dec. 10.
- Electron discharge device. C. A. Segerstrom, Jr. 2,391,927; Jan. 1.
- Electron discharge device. C. I. Shulman and G. R. Kilgore. 2,407,706; Sept. 17.
- Electron discharge device. L. P. Smith. 2,413,251; Dec. 24.
- Electron discharge device. C. H. Thomas. 2,412,659; Dec. 17.
- Electron discharge device. H. C. Thompson. 2,409,165; Oct. 8.
- Electron discharge device. R. L. Vance. 2,411,912; Dec. 3.
- Electron discharge device. H. M. Wagner. 2,404,113; July 16.
- Electron discharge device. L. C. Werner and H. J. Dailey. 2,398,608; Apr. 16.
- Electron discharge device. Beam deflection. G. R. Kilgore. 2,408,218; Sept. 24.
- Electron discharge device. Beam deflection. G. R. Kilgore. 2,409,499; Oct. 15.
- Electron discharge device employing hollow resonators. J. E. I. Cairns. 2,407,607; Sept. 10.
- Electron discharge device generator. C. W. Hansell. 2,412,772; Dec. 17.
- Electron discharge device of the magnetron type. W. C. Brown. 2,411,953; Dec. 3.
- Electron discharge device of the magnetron type. W. C. Brown. 2,411,984; Dec. 3.
- Electron discharge tube. J. H. O. Harries. 2,396,949; Mar. 19.
- Electron discharge tube. J. H. O. Harries. 2,401,637; June 4.
- Electron discharge tubes, Target electrode for. A. Rose. 2,403,239; July 2.
- Electron emitters, Making long life secondary. H. Nelson. 2,393,803; Jan. 29.
- Electron multiplier. F. J. G. van den Bosch. 2,397,822; Apr. 2.
- Electron ray indicating device. J. A. Hultquist. 2,394,857; Feb. 12.
- Electron tube. J. H. Cone and R. E. Mumma. 2,398,772; Apr. 23.
- Electron tube. B. R. Corson. 2,401,911; June 11.
- Electron tube and electrode for the same. G. A. Becker. 2,395,313; Feb. 19.
- Electron tube circuit. F. B. Aubert. 2,411,078; Nov. 12.
- Electron tube circuit. K. Schlesinger. 2,403,955; July 16.
- Electronic apparatus. A. Binneweg, Jr. 2,392,900; Jan. 15.
- Electronic chronoscope for measuring rates of detonation. C. R. Niswanger and F. Brown. 2,395,902; Mar. 5.
- Electronic circuit. G. W. Cook. 2,398,411; Apr. 16.
- Electronic computer. G. A. Morton. 2,412,467; Dec. 10.
- Electronic computing device. L. E. Flory and G. A. Morton. 2,404,047; July 16.
- Electronic computing device. G. A. Morton and L. E. Flory. 2,409,689; Oct. 22.
- Electronic control circuit. J. R. Mahoney. 2,394,087; Feb. 5.
- Electronic counting ring. R. E. Mumma. 2,402,432; June 18.
- Electronic device. S. J. Cherry, L. C. Werner, and W. J. Knorr. 2,398,578; Apr. 16.
- Electronic device. J. S. Compton. 2,398,771; Apr. 23.
- Electronic device. R. E. Mumma and F. X. Bucher. 2,398,150; Apr. 9.
- Electronic device. A. G. Thomas. 2,409,454; Oct. 15.
- Electronic device and circuits. A. M. Skellett. 2,402,188; June 18.
- Electronic device and control means therefor. J. R. Desch. 2,403,852; July 9.
- Electronic device and control means therefor. R. E. Mumma. 2,405,095; July 30.
- Electronic device, Ultra high frequency. A. E. Bowen. 2,408,409; Oct. 1.
- Electronic device, Ultra high frequency. R. V. L. Hartley and A. L. Samuel. 2,407,274; Sept. 10.
- Electronic devices. J. R. Desch and R. E. Mumma. 2,399,473; Apr. 30.
- Electronic discharge device. H. J. Dailey. 2,396,772; Mar. 19.
- Electronic discharge device. P. L. Spencer. 2,411,601; Nov. 26.
- Electronic electrosensitive apparatus. O. W. Livingston. 2,404,643; July 23.
- Electronic energy conversion and control system. J. B. Reeves. 2,400,599; May 21.
- Electronic ignition system. O. T. Francis. 2,409,202; Oct. 15.
- Electronic phase bridge. R. H. Brown. 2,394,892; Feb. 12.
- Electronic relay. W. F. Wolfner, II. 2,413,020; Dec. 24.
- Electronic switch. J. F. Farrington. 2,413,440; Dec. 31.
- Electronic switch. W. A. Miller. 2,402,917; June 25.
- Electronic switch. J. E. Smith and E. R. Shenk. 2,396,395; Mar. 12.
- Electronic telegraph transmitter distributor. J. R. Wilkerson. 2,412,642; Dec. 17.
- Electronic timer. L. F. Mayle. 2,412,092; Dec. 3.
- Electronic timing system. W. Few. 2,412,571; Dec. 17.
- Electronic translating device. H. Ziebolz. 2,399,420; Apr. 30.
- Electronic tube. W. W. Eitel and J. A. McCullough. 2,400,082; May 14.
- Electronic tube. W. W. Eitel and J. A. McCullough. 2,401,059; May 28.
- Electronic tube. W. W. Eitel and J. A. McCullough. 2,402,319; June 18.
- Electronic tube testing apparatus. E. H. Sharkey. 2,412,231; Dec. 10.
- Electronic tubes, Making. G. A. Becker. 2,401,040; May 28.
- Electronic voltage regulator. A. F. Brewer. 2,398,916; Apr. 23.

- Electrophoresis apparatus. L. A. Chambers and H. K. Hartline. 2,412,602; Dec. 1.
- Electroplating. R. H. Burns. 2,393,516; Jan. 22.
- Electroplating. E. W. Rieger and C. J. Klein. 2,399,254; Apr. 30.
- Electroplating tin. W. B. Cooper and C. E. Glock. 2,392,646; Jan. 8.
- Electro-refining of nickel. L. S. Renzoni. 2,394,874; Feb. 12.
- Electroslang warning device. S. Hurwitz. 2,391,974; Jan. 1.
- Electrostatic precipitator apparatus. M. Newman. 2,397,197; Mar. 26.
- Electrostatic separation of material particles. B. Horsfield. 2,392,044; Jan. 1.
- Electrotherapeutic system. Wave guide. G. C. Southworth. 2,407,690; Sept. 17.
- Electrotyping. F. W. Kreber, B. W. Gonser, and R. M. Schaffert. 2,400,518; May 21.
- Element and joint strut. M. Watter. 2,405,917; Aug. 13.
- Element for machine tools. Frame. P. S. Jackson. 2,399,187; Apr. 30.
- Element for polarized light. Reflecting. A. F. Turner. 2,409,407; Oct. 15.
- Elements for wall bores. Recovering. C. R. Edwards. 2,394,759; Feb. 12.
- Elevating and sampling apparatus. Commodity. O. M. Harlow. 2,404,373; July 23.
- Elevating and steering mechanism for aircraft. H. Schmitt. 2,405,907; Aug. 13.
- Elevating end gate. O. R. Pringle. 2,405,054; July 30.
- Elevating platform apparatus. R. E. Hogan. 2,411,966; Dec. 3.
- Elevator. A. Chantland. 2,403,636; July 9.
- Elevator. J. Dunlop. 2,408,757; Oct. 8.
- Elevator. J. Dunlop. 2,408,760; Oct. 8.
- Elevator. J. Dunlop and L. R. Kissler. 2,408,763; Oct. 8.
- Elevator. C. E. Ellis. 2,405,091; Aug. 13.
- Elevator. H. E. Schrader. 2,394,638; Feb. 12.
- Elevator. Y. R. Smith. 2,395,075; Feb. 19.
- Elevator. Baled hay. E. Lisota. 2,408,863; Oct. 8.
- Elevator. Casing. R. A. Coe. 2,392,462; Jan. 8.
- Elevator control system. J. Dunlop. 2,409,198-9; Oct. 15.
- Elevator. Deck-edge. J. Dunlop. 2,408,759; Oct. 8.
- Elevator. Duplex rail assembling. H. C. Wauson and W. E. Bennett, Jr. 2,401,125; May 28.
- Elevator. Fireplace wood. L. P. Brunette. 2,410,628; Nov. 5.
- Elevator. Grain. C. E. Kaesler. 2,395,410; Feb. 26.
- Elevator. Portable. E. K. Hansen. 2,400,086; May 14.
- Elevator system. L. H. Kiesling. 2,411,882; Dec. 3.
- Elevator. Wagon. G. Slavicek. 2,395,349; Feb. 19.
- Eliminating device. Valve clearance. C. W. MacMillan. 2,404,241; July 16.
- Eliminator for gyroscopic compasses. Damping. B. A. Wittkubns and P. Chantemerle. 2,406,879; Sept. 3.
- Eliminator for pressure regulators. Vibration. A. Salmonsen. 2,405,371; Aug. 6.
- Eliminator for service cords and conductors of electrical apparatus. Vibration. A. M. Hathaway. 2,396,847; Mar. 19.
- Elongation gauge. J. T. Banner. 2,392,899; Jan. 15.
- Emergency control mechanism for aircraft. L. T. E. Thompson and R. H. Goddard. 2,395,435; Feb. 26.
- Emergency hand pump selector valve. C. J. Strid. 2,397,299; Mar. 26.
- Emergency lamp. E. Siemers. 2,404,753; July 23.
- Emergency valve. A. H. Adams. 2,399,843; May 7.
- Emollient compositions. A. K. Epstein and M. Katzman. 2,398,296; Apr. 9.
- Emulsifying agents produced from glycol glucosides and their production. W. C. Griffin. 2,407,003; Sept. 3.
- Emulsion. W. H. Alton and F. E. Hutchins. 2,409,338; Oct. 15.
- Emulsion and preparing same. Bituminous. W. D. Buckley and E. P. Bly. 2,392,457; Jan. 8.
- Emulsion. Breaking petroleum. M. De Groot and B. Keiser. 2,400,395; May 14.
- Emulsion copolymerizates and producing same. Synthetic rubberlike. B. M. Vanderbilt. 2,393,206; Jan. 15.
- Emulsion polymerizates. Production of. R. M. Vanderbilt and H. J. Rose. 2,400,578; May 21.
- Emulsion polymerization of conjugated diolefins. Promoting the. A. H. Gleason and W. J. Sparks. 2,393,157; Jan. 15.
- Emulsion polymerization process. H. B. Kellog and W. J. Sparks. 2,397,146; Mar. 26.
- Emulsion. Sensitized photographic. B. H. Carroll and J. Spence. 2,396,846; Mar. 6.
- Emulsions. A. K. Epstein and M. Katzman. 2,398,295; Apr. 9.
- Emulsions and methods. Photographic. G. B. Crouse, F. A. Holt, and J. L. Jatiow. 2,401,051; May 28.
- Emulsions. Bituminous. J. E. Fratis and E. H. Oakley. 2,400,823; Sept. 3.
- Emulsions. Film forming. I. L. Griffin, D. E. Truax, and N. H. Nuttall. 2,413,320; Dec. 31.
- Emulsions. Improving the sensitivity characteristics of. W. F. Smith and R. E. Stauffer. 2,410,690; Nov. 5.
- Emulsions. Manufacturing of photographic. T. T. Baker. 2,403,327; July 2.
- Emulsions of vinyl esters. Stable. H. M. Collins and M. Kiar. 2,398,344; Apr. 16.
- Emulsions. Processing of certain nongelatin. J. I. Crabtree and G. T. Eaton. 2,409,107; Oct. 8.
- Emulsions. Removing oil-in-water. L. T. Monsen, W. W. Anderson, and F. W. Jenkins. 2,407,895; Sept. 17.
- Emulsions resulting from acidization of calcareous oil-bearing strata. Composition of matter and preventing water-in-oil type. M. De Groot and B. Keiser. 2,400,395; May 14.
- Emulsions. Stabilized silver halide. F. W. H. Mueller. 2,394,198; Feb. 5.
- Emulsions. Treating. W. O. Webber. 2,409,005; Oct. 8.
- Enamel composition. B. W. King, Jr. 2,396,856; Mar. 19.
- Enamel compositions. Glass. R. F. Morrison and W. C. Morris. 2,396,873; Mar. 19.
- Enamels. Opacification of vitreous. I. and W. Kreidl. 2,398,233; Apr. 30.
- Enamels. Opaque vitreous. I. and W. Kreidl. 2,399,232; Apr. 30.
- Enciphering and deciphering system. L. A. Briggs and J. A. Spencer. 2,401,855; June 11.
- Enciphering and deciphering system. C. I. Cronburg. 2,403,858; July 9.
- Enciphering and deciphering system. R. E. Mathes. 2,401,877; June 11.
- Enclosed switch. E. W. Landmeier. 2,404,183; July 16.
- Enclosures. C. C. Willis. 2,405,539; Feb. 19.
- Enclosure for bassinets. R. Valverde. 2,409,083; Oct. 8.
- End connection. Extended. T. J. Hollenkamp. 2,409,207; Oct. 15.
- End seaming mechanism. Can. J. Brenzinger. 2,410,263; Oct. 29.
- End stop for flexible stringers. L. H. Morin. 2,398,592; Apr. 16.
- Endoethylene halocyclopentanoidanes. H. A. Bruson. 2,405,183; Aug. 6.
- Endomethylene-hexahydro-fluorene isothiocyanate. Rearranged. H. A. Bruson and T. W. Riener. 2,393,746; Jan. 29.
- Endothermic catalytic reactions in the gas phase. Process and apparatus for performing. R. Witkiewicz. 2,397,899; Apr. 2.
- Energy converting means for internal-combustion engine. Exhaust. R. Birmann. 2,406,656; Aug. 27.
- Energy. Production of high impulses of. H. List. 2,393,316; Feb. 5.
- Energy supply. Uniform. H. A. Strickland, Jr. 2,406,715; Aug. 27.
- Engaging and disengaging mercury clutch. H. J. Zimmermann. 2,412,378; Dec. 10.
- Engine: See—
- Carding engine.
 - Combustion engine.
 - Diesel engine.
 - Differential convertible gasoline-Diesel engine.
 - Double-acting engine.
 - Dual fuel engine.
 - Elastic fluid engine.
 - Fluid-pressure engine.
 - Free piston internal-combustion engine.
 - Fuel injection engine.
 - Gas engine.
 - Internal-combustion engine.
 - Miniature gasoline engine.
 - Opposed piston two-cycle engine.
 - Piston engine.
 - Portable engine.
 - Reciprocating engine.
 - Rotary combustion engine.
 - Rotary engine.
 - Rotary internal-combustion engine.
 - Sleeve valve engine.
 - Steam engine.
 - Supercharged internal-combustion engine.
 - Turbine engine.
 - Two-cycle engine.
 - Two-cycle internal-combustion engine.
 - Two-stroke engine.
 - Two-stroke cycle internal-combustion engine.
 - Two stroke piston combustion engine.
- Engine. J. B. Brockhurst. 2,410,565; Nov. 5.
- Engine. C. E. Frank. 2,401,630; June 4.
- Engine. C. E. Frank. 2,409,031; Oct. 8.
- Engine. W. G. Gernandt. 2,401,631; June 4.
- Engine. W. G. Gernandt and A. E. Walden. 2,409,034; Oct. 8.
- Engine. P. L. Goebel. 2,397,734; Apr. 2.
- Engine. R. M. Heintz. 2,411,571; Nov. 26.
- Engine. C. A. Holman. 2,392,921; Jan. 15.
- Engine. C. N. Kahl. 2,398,378; Apr. 16.
- Engine. C. N. Kahl. 2,399,743; May 7.
- Engine. J. W. Kinnunen and P. L. Prescott. 2,400,830; May 21.
- Engine. A. J. Meyer. 2,408,800; Oct. 8.
- Engine. K. F. E. Schoenfeld and E. W. Fowler. 2,404,752; July 23.
- Engine. A. E. Walden. 2,393,667; Jan. 29.
- Engine accessory drive. W. E. Brill. 2,403,905; July 16.
- Engine and engine cooling method. J. F. Furry. 2,408,386; Oct. 1.
- Engine and making parts thereof. A. G. Herreshoff. 2,402,889; June 26.
- Engine and process. Combustion. F. Nettel. 2,396,524; Mar. 12.
- Engine and sealing the same. Rotary. H. D. Rice. 2,396,882; Mar. 19.
- Engine block water heater. A. P. Olson. 2,400,838; May 21.
- Engine control. E. C. Wahlberg. 2,399,772; May 7.

- Engine control mechanism. E. O. Wirth. 2,393,440; Jan. 22.
- Engine control system. E. C. Wahlberg. 2,400,580; May 21.
- Engine controller. E. M. Clayton. 2,397,534; Apr. 2.
- Engine cooling apparatus. H. J. Findley. 2,396,000; Mar. 5.
- Engine cooling system. A. T. Gregory. 2,393,899; Jan. 29.
- Engine cylinders and manifolds, Assembly of. W. A. Ledwith. 2,412,344; Dec. 10.
- Engine exhaust power system, Supercharged. S. B. Cray. 2,412,970; Dec. 24.
- Engine for low test fuel, High-compression. B. C. Fisher. 2,392,371; Jan. 8.
- Engine frame. E. N. Hall. 2,406,292; Aug. 20.
- Engine ignition controlling device. C. W. MacMillan. 2,394,792; Feb. 12.
- Engine indicator. K. J. De Jubasz. 2,392,581; Jan. 8.
- Engine induction apparatus. P. W. Pratt. 2,397,327; Mar. 26.
- Engine lubrication system. E. C. Steiner. 2,393,833-4; Jan. 29.
- Engine mixture control, Airplane. S. M. Udale. 2,399,078; Apr. 23.
- Engine nacelle installation for aircraft. A. A. Gassner. 2,398,704; Apr. 16.
- Engine or pump, Sliding vane. A. C. Bradford. 2,410,596; Nov. 5.
- Engine primer. A. L. Parker and J. F. Melichar. 2,412,532; Dec. 10.
- Engine starter. E. N. Jacobl. 2,400,554; May 21.
- Engine starter gearing. J. E. Buxton. 2,394,531; Feb. 12.
- Engine starter gearing. E. E. Hood. 2,394,690; Feb. 12.
- Engine starting apparatus. W. G. Weatherly. 2,404,419; July 23.
- Engine starting mechanism. R. M. Nardone. 2,412,829; Dec. 17.
- Engine valve mechanism, Steam. C. R. Briggs. 2,392,360; Jan. 8.
- Engine valve mounting. F. G. Hobart. 2,407,422; Sept. 10.
- Engine work stand. G. E. Bock. 2,409,468; Oct. 15.
- Engines, Balancing of reciprocating. W. H. Purdie. 2,398,961; Apr. 23.
- Engines, Cooling system for internal-combustion. W. W. Taylor. 2,399,691; May 7.
- Engines, Electrical heater for liquid cooled. S. Urbant and R. L. P. Braun. 2,401,847; June 11.
- Engines in aircraft, Cooling of. P. B. Halford and C. L. Cowdrey. 2,405,422; Aug. 6.
- Engines, Method of and apparatus for starting. A. G. Godoy, Jr. 2,410,403; Nov. 5.
- Engines operating coaxial shafts. J. B. Brockhurst. 2,410,958; Nov. 12.
- Engines, Piston for internal-combustion. W. Harper, Jr. 2,400,503; May 21.
- Engines, Power transmission mechanism for aircraft. F. E. Mercier. 2,401,365; June 4.
- Engines, Starting control circuit for. A. J. Smith. 2,400,216; May 14.
- Ensilage blower, Double feed. E. F. Huddle. 2,410,943; Nov. 12.
- Entrainment separator. C. B. Schneible. 2,403,830; July 9.
- Envelope. F. E. Carroll. 2,399,000; Apr. 23.
- Envelope and opener combined. M. Velazquez. 2,396,543; Mar. 12.
- Envelope and writing sheet, Combined. H. F. Auger. 2,410,868; Nov. 12.
- Envelope machine. J. L. Oberender. 2,407,174; Sept. 3.
- Envelope, Receipt. J. E. Kosteling. 2,402,821; June 25.
- Envelope, Self-addressing. E. Moen. 2,405,511; Aug. 6.
- Envelopes and the like, Closure for. A. L. Godoy. 2,400,406; May 14.
- Envelopes-capacitance. Purification of. E. L. Martin. 2,405,969; Aug. 20.
- Equalizing system. P. C. Collins. 2,400,685; May 21.
- Equalizing system for vehicles, Suspension and load. D. H. Spangler. 2,403,833; July 9.
- Equilibrator. J. F. Joy. 2,392,387; Jan. 8.
- Equipment, Communications. W. H. Gilman. 2,413,345; Dec. 31.
- Equipment for aircraft, Pressurizing. N. C. Price. 2,405,670; Aug. 13.
- Equipment for observing dial tone speed. M. P. Willis. 2,405,339; Aug. 6.
- Equipment for tractors, Power-operated. J. F. Laughhead. 2,403,808; July 9.
- Equipment for vehicle brakes, Load-gear. B. H. Browall. 2,394,038; Feb. 5.
- Equipment, Railroad track. W. C. Heidenthal. 2,398,935; Apr. 23.
- Eradicator, Fountain pen and ink. S. Lehman. 2,393,111; Jan. 15.
- Eraser. C. A. Brewer. 2,406,487; Aug. 27.
- Eraser, Adjustable. F. C. Peterson. 2,403,335; July 2.
- Eraser composition. S. H. Southard. 2,404,322; July 16.
- Eraser for mechanical pencils. M. E. Savoie. Re. 22,717; Feb. 5.
- Erasing attachment for typewriters. C. R. Bennett. 2,394,139; Feb. 15.
- Erasing machine. C. B. Fisher. 2,398,823; Apr. 23.
- Erection device for gyroscopes. L. F. Carter. 2,408,044; Sept. 24.
- Erecting gyro vertical instruments. R. S. Curry, Jr. 2,408,411; Oct. 1.
- Error compensating means, Northerly turning. F. West, Jr. 2,400,582; May 21.
- Erythrina alkaloids, Production of. K. Folkers and R. T. Major. 2,412,356; Dec. 10.
- Escape and balance staff. A. J. Kleiner. 2,392,745; Jan. 8.
- Escapement. M. H. Rhodes. 2,408,998; Oct. 8.
- Escapement mechanism. M. S. Gettig and H. E. Engelbaugh. 2,405,947; Aug. 20.
- Esteramides. M. De Groote and B. Keiser. 2,411,957; Dec. 3.
- Ester and polymer thereof, Unsaturated carbonate. I. E. Muskat and F. Strain. 2,403,113; July 2.
- Ester fibers, Modified cellulose. R. E. Fothergill, J. W. Hill, and A. A. Johnson. 2,406,755; Sept. 3.
- Ester interpolymer fibers, Hydrolyzed vinyl. A. F. Smith. 2,403,464; July 9.
- Ester, N-progenols. W. S. Emerson. 2,399,479; Apr. 30.
- Ester polymers, Preparation of. W. F. Gresham. 2,397,602; Apr. 2.
- Ester resin compositions. W. H. Butler. 2,397,240; Mar. 26.
- Ester-salts of leuco quinones, Manufacture of sulphuric. H. Z. Lecher, M. Scalera, and C. T. Lester. 2,403,226; July 2.
- Esterification reactions. S. B. Luce. 2,411,136; Nov. 12.
- Esters. M. Kunt. 2,396,789; Mar. 19.
- Esters. C. M. Langkammerer. 2,393,327; Jan. 22.
- Esters and copolymers thereof, Methacrylic. B. E. Ostberg. 2,397,287; Mar. 26.
- Esters and manufacturing, Di-phosphorus. E. F. Engelke. 2,403,792; July 9.
- Esters and polymers thereof, Unsaturated. I. E. Muskat and F. Strain. 2,399,286-7; Apr. 30.
- Esters and polymers thereof, Unsaturated. I. E. Muskat and F. Strain. 2,401,581; June 4.
- Esters and producing same. K. Miescher and J. Heer. 2,395,934; Mar. 5.
- Esters and producing same, Glycol. F. F. Nord. 2,403,876; July 9.
- Esters, Catalytic polymerization of unsaturated. D. E. Adelson, R. P. Ruh, and H. F. Gray, Jr. 2,402,481-6; June 18.
- Esters, Formic acid. E. P. Bartlett. 2,405,936; Aug. 20.
- Esters, High molecular polyhydric. E. W. Eicke and J. E. Taylor. 2,413,613; Dec. 31.
- Esters of alkyl-substituted alkoxy benzoid acids, Amino alcohol. W. G. Christiansen and S. E. Harris. 2,409,663; Oct. 22.
- Esters of α -formylphenylacetic acid and preparing the same. S. Kushner. 2,394,967; Feb. 12.
- Esters of carbonic acid and polymers thereof, Unsaturated. M. A. Pollack. 2,407,446; Sept. 10.
- Esters of cellulose, Manufacture of higher fatty acid. J. W. Fisher. 2,400,494; May 21.
- Esters of dimethylaminoethanol useful as local anesthetics. R. S. Shelton and M. G. Van Campen, Jr. 2,409,001; Oct. 8.
- Esters of endoalkylene hydroaromatic acids. H. G. Goodman, Jr. 2,399,345; Apr. 30.
- Esters of halo aryloxy alcohols, Unsaturated. G. H. Coleman and B. C. Hadler. 2,394,512; Feb. 5.
- Esters of hydrolyzed ethylene-vinyl organic ester interpolymers, Sulphur-containing. W. H. Sharkey. 2,395,247; Feb. 19.
- Esters of hydroxydihydronorpolycyclopentadienes. H. A. Brunson. 2,395,452; Feb. 26.
- Esters of lactic and α -phetaoxypropionic acids, Allyl and methylallyl. C. E. Rehberg and C. H. Fisher. 2,410,551; Nov. 5.
- Esters of molecularly dehydrated phosphoric acids, Producing neutral. W. H. Woodstock. 2,402,703; June 25.
- Esters of 1-aryl-cycloalkyl-1-carboxylic acids and their manufacture, Basic. H. Martin and F. Häfner. 2,404,588; July 23.
- Esters of pentahaloenoxyalkanois. C. W. MacMullen. 2,401,261; May 25.
- Esters of phosphoric acid, Preparation of neutral. D. C. Hull and J. R. Snodgrass. 2,407,279; Sept. 10.
- Esters of secondary phenolic amines. J. S. Buck and L. Reiner. 2,400,038; May 7.
- Esters of thio-acids, Chloroalkyl. E. S. Blake. 2,396,487; Mar. 12.
- Esters of 12-hydroxystearic acid. M. J. Hunter and H. N. Fenn. 2,397,008; Mar. 19.
- Esters, Preparation of unsaturated. N. M. Bortnick. 2,393,737; Jan. 29.
- Esters, Preparing. F. Strain. 2,392,621; Jan. 8.
- Esters, Producing. K. H. Engel. 2,408,744; Oct. 8.
- Esters, Producing. N. B. Tucker. 2,399,959; May 7.
- Esters, Production of. J. E. Mahan. 2,408,940; Oct. 8.
- Esters, Production of allyl type. H. L. Yale. 2,400,727; May 21.
- Esters, Production of vinyl. P. D. Coppock and D. J. Hadley. 2,398,820; Apr. 23.

- Esters, Sulphur-containing. H. D. Porter and A. Weissberger. 2,396,879; Mar. 19.
- Esters, Thiocyan substituted carboxylic acid. J. N. Korglin. 2,400,095; May 14.
- Esters, Treatment of cellulose organic acid. R. W. Nebel. 2,395,421; Feb. 26.
- Estrogenic compounds, Racemic. R. C. Tallman and A. H. Stuart. 2,400,034; May 7.
- Estrogenic substances. R. C. Tallman and A. H. Stuart. 2,400,033; May 7.
- Etching, Aluminum. G. F. Coggins. 2,396,685; Mar. 19.
- Etching of steel plates, Electrolytic. A. R. Kreck. 2,394,190; Feb. 5.
- Ethanolamine. D. J. Loder. 2,395,281; Feb. 19.
- Ether composition. Cel. 13,340. L. A. Rauner and M. J. Hunter. 2,399,602; Apr. 30.
- Etherification process. A. P. Lien. 2,399,126; Apr. 23.
- Ethers, Manufacture of vinyl. V. J. R. Evans. 2,404,700; July 23.
- Ethers of endoethylene-substituted cyclopentanols. H. A. Bruson. 2,411,516; Nov. 26.
- Ethers of hydroxydihydronordicyclopentadiene, Unsaturated. H. A. Bruson. 2,393,608; Jan. 29.
- Ethers of hydroxydihydronordicyclopentadienes. H. A. Bruson. 2,394,582; Feb. 12.
- Ethers of polyhydric alcohols, Cyanoalkyl. H. A. Bruson. 2,401,607; June 4.
- Ethers of secondary nitroalkanes and preparing them. M. Senkus. 2,393,827; Jan. 29.
- Ethers, Preparation of starch. P. L. Nichols, Jr., and R. M. Hamilton. 2,405,973; Aug. 20.
- Ethers, Producing cellulose. W. J. Burke. 2,398,767; Apr. 23.
- Ethers, Production of dialkyl. H. J. West. 2,397,826; Apr. 2.
- Ethers, Production of methylol urea. H. J. West. 2,397,825; Apr. 2.
- Ethers, Sulphonated. C. Graenacher, J. Frei, and J. Meyer. 2,399,434; Apr. 30.
- Ethylbenzene, Production of. L. Schmerling. 2,409,802; Oct. 22.
- Ethyl chloride, Manufacture of. E. Galitzenstein and C. Woolf. 2,398,179; Apr. 9.
- Ethyl chloride, Preparation of. R. P. Carter. 2,396,639; Mar. 19.
- Ethyl halides, Preparation of. D. C. Bond and M. Savoy. 2,412,550; Dec. 10.
- Ethylene-acetal reaction product. M. D. Peterson and A. G. Weber. 2,395,292; Feb. 19.
- Ethylene alkylation. R. E. Woodward, W. P. Hawthorne, and J. R. Meador. 2,409,090; Oct. 8.
- Ethylene glycol and ethyl acetate, Producing. A. S. Ramage. 2,398,157; Apr. 9.
- Ethylene mixed feeds, Alkylation of. C. S. Lynch and H. G. Cudet. 2,405,968; Aug. 20.
- Ethylene oxide compounds and preparing the same, Substituted. F. H. Tendick. 2,393,129; Jan. 15.
- Ethylene polymerization. M. J. Roedel. 2,409,996; Oct. 22.
- Ethylene polymerization process. A. T. Larson. 2,396,920; Mar. 19.
- Ethylene, Polymerizing. A. T. Larson and N. W. Krase. 2,405,962; Aug. 20.
- Ethylene, Polymerizing. H. S. Young. 2,394,960; Feb. 12.
- Ethylene polymers, Preparing. L. Squires. 2,395,381; Feb. 19.
- Ethylene, Purification of. E. F. Wadley and J. T. Horecz. 2,408,010; Sept. 24.
- Ethylene with other polymerizable substances, Polymerization of. W. E. Hanford and J. R. Roland. 2,397,260; Mar. 26.
- Evaporation losses, Reducing. P. J. Harrington. 2,406,540; Aug. 27.
- Evaporation process. R. M. Laird. 2,392,093; Jan. 1.
- Evaporation process. R. M. Switzer. 2,394,643; Feb. 12.
- Evaporation tower for cooling suspensions. C. R. Hecott. 2,403,719; July 6.
- Evaporative cooler. B. Essick. 2,404,470; July 23.
- Evaporative cooler. L. V. Seaman. 2,396,024; Mar. 5.
- Evaporator. O. J. Kuenhold, Sr. 2,394,698; Feb. 12.
- Evaporator. J. J. McAndrews. 2,392,255; Jan. 1.
- Evaporator. W. R. Williamson. 2,392,893; Jan. 15.
- Evaporator, Fluid. J. A. Powell. 2,398,396; Apr. 16.
- Evaporator for inert gas type absorption refrigerators, Two temperature. C. T. Ashby. 2,407,733; Sept. 17.
- Evaporator for low-pressure refrigerants. J. G. Reid, Jr. 2,408,480; Oct. 1.
- Evaporator for refrigeration. W. L. Morrison. 2,398,029; Apr. 6.
- Evaporator, Refrigerant. G. R. Goldsmith. 2,407,827; Sept. 17.
- Evaporator unit. J. H. Benson. 2,395,839; Mar. 5.
- Evaporator unit. B. C. Johnson. 2,413,236; Dec. 24.
- Evaporators, Agitator for cascade. C. R. Cash. 2,403,211; July 2.
- Excavating device for subaqueous material. J. Kalkx. 2,400,882; May 28.
- Excavating machine, Trench. W. G. Van Voorhis. 2,409,354; Oct. 15.
- Excavator. E. W. Austin. 2,395,244; Feb. 19.
- Excavator. A. C. Cox. 2,394,428; Feb. 5.
- Excavator, Earth. E. Schmach. 2,404,926; July 30.
- Excavator, Trench. W. M. Henderson. 2,411,210; Nov. 19.
- Exchange apparatus, Heat. R. A. Bowman and J. P. Rathbun. 2,392,638; Jan. 8.
- Exchange structure, Heat. C. J. Villier. 2,405,722; Aug. 13.
- Exchange system, Telegraph. G. G. Light. 2,400,124; May 14.
- Exchanger, Air-cooled heat. F. T. Elder, G. B. Farkas, and A. Y. Gunter. 2,401,918; June 11.
- Exchanger, Heat. A. J. and I. F. Fausek. 2,402,881; June 25.
- Exchanger, Heat. A. Y. Gunter. 2,399,484; Apr. 30.
- Exchanger, Heat. W. D. Maguire and E. J. Lockwood. 2,413,340; Dec. 31.
- Exchanger, Heat. O. Rasmussen. 2,401,797; June 11.
- Exchangers, Sulphated cation. E. L. Holmes. 2,393,249; Jan. 22.
- Excluding means for sliding windows, Insect. F. F. Golkowski. 2,406,761; Sept. 3.
- Exerciser, Leg. L. D. Herrick. 2,413,351; Dec. 31.
- Exercising and amusement device. M. Nusbaum. 2,396,339; Mar. 12.
- Exercising and game apparatus. L. G. Brunner. 2,408,160; Sept. 24.
- Exercising apparatus. W. A. Drake. 2,399,915; May 7.
- Exercising apparatus. F. C. Segalla. 2,397,054; Mar. 19.
- Exercising device. T. H. Belling. 2,408,597; Oct. 1.
- Exercising device. H. O. Costello. 2,400,108; May 14.
- Exercising device. T. M. Eynon. 2,405,024; July 30.
- Exercising device. P. S. Kusznir. 2,396,106; Mar. 5.
- Exercising machine. G. Bergfors. 2,406,344; Aug. 27.
- Exhaust tubulation for electronic discharge tubes. W. H. Small. 2,413,338; Dec. 31.
- Exhaustor. C. F. Zimmermann. 2,404,203; July 16.
- Exhibiting instrument. H. M. Kirschbaum. 2,412,584; Dec. 17.
- Exhibiting machine. B. M. Walker. 2,395,947; Mar. 5.
- Exhibitor, Changeable. L. Grossman. 2,401,478; June 4.
- Exhibitor, Data. G. Munro. 2,406,027; Aug. 20.
- Exhibitor, Excessive speed. J. W. Bright. 2,409,537; Oct. 15.
- Exothermic chemical reactions, Improvements in. H. Dreyfus. 2,393,240; Jan. 22.
- Exothermic reaction charge. C. A. Cadwell. 2,398,768; Apr. 23.
- Expander, Coupling. W. J. Strong. 2,394,341; Feb. 5.
- Expander, Piston. F. E. Wells. 2,408,499; Oct. 1.
- Expander, Piston ring. A. G. Fawns. 2,406,538; Aug. 27.
- Expander, Piston ring. P. F. Zetnick. 2,397,900; Apr. 3.
- Expanding head. A. L. Forbes, Jr. 2,413,103; Dec. 24.
- Expandable wheel. A. Vonnegut. 2,410,536; Nov. 5.
- Expansion contraction joint. G. C. Mortenson. 2,405,844; Aug. 13.
- Expansion chiller, Direct. E. A. Edmonds. 2,405,944; Aug. 20.
- Expansion joint. J. V. Marancik and D. B. MacClymont. 2,404,447; July 23.
- Expansion joint. J. V. Marancik and R. F. Mildrum. 2,406,234; Aug. 20.
- Expansion joint arrangement. L. R. Biggs and W. J. Zimola. 2,393,137; Jan. 15.
- Expansion joint dowel holder. R. R. Robertson. 2,401,964; June 11.
- Expansion valve. V. R. Andrews. 2,399,088; Apr. 23.
- Expansion valve. E. J. Dillman. 2,410,795; Nov. 5.
- Expendable work holder. L. Benjamin. 2,392,453; Jan. 8.
- Explosive and making. W. W. Vogl. 2,406,573; Aug. 27.
- Explosive cartridge assembly. C. H. Cordie. 2,401,140; May 28.
- Explosive charges and their manufacture, Brisant. J. Taylor and S. H. Davidson. 2,395,353; Feb. 19.
- Explosive composition. R. C. Glogau. 2,407,151; Sept. 3.
- Explosive composition. J. A. Wyler. 2,407,805; Sept. 17.
- Explosive composition, Initiating. L. A. Burrows. 2,396,152; Mar. 5.
- Explosive compositions comprising low freezing liquid mixtures of aromatic-nitro compounds. H. R. Wright and J. Taylor. 2,407,597; Sept. 10.
- Explosive device. N. M. Hopkins. 2,402,552; June 25.
- Explosive device. B. A. Wiener. 2,396,732; Mar. 19.
- Explosive operated valve. I. Lubbock, G. J. Gollin, A. Lindsay, and H. J. Poole. 2,405,439; Aug. 6.
- Explosive perchlorates of aliphatic nitrogenous compounds. W. W. Vogl. 2,406,572; Aug. 27.
- Explosive, Stabilized. L. R. V. Clark. 2,405,189; Aug. 6.
- Explosively blasting joints. L. A. Burrows and W. E. Lavis. 2,410,047; Oct. 29.
- Explosives and products obtained thereby, Manufacture of detonating. V. H. Williams and H. R. Wright. 2,407,595; Sept. 10.
- Explosives and their manufacture, Low density granular powder. J. Whitestone. 2,409,919; Oct. 22.
- Explosives, Manufacture of. M. L. Herzog. 2,394,449; Feb. 5.
- Exposure meter. L. M. Arant. 2,394,835; Feb. 12.
- Exposure meter. J. H. Miller. 2,408,944; Oct. 8.
- Extendable stand. A. M. Starck. 2,409,075; Oct. 1.
- Extension, Ladder. J. D. Chase. 2,408,372; Oct. 1.
- Extension, Multiple. T. D. Johnson. 2,408,398; Oct. 1.

- Extension plug. W. Billman. 2,406,128; Aug. 20.
 Extremator, Insect. K. L. Smith. 2,412,181; Dec. 3.
 Extinguisher. J. B. Hinson. 2,406,685; Aug. 27.
 Extinguisher, Automatic fire. D. C. Soper. 2,397,761; Apr. 2.
 Extinguisher, Fire. J. K. Lumbard. 2,399,556; Apr. 30.
 Extinguishing device. Fire. F. J. Lee. 2,404,804; July 30.
 Extract of coffee and the extracting and preparing the same. Liquid. W. S. Fredrickson. 2,410,157; Oct. 29.
 Extraction method. D. E. Stines. 2,400,378; May 14.
 Extraction of drying oils. Solvent. O. S. Kansom and M. Zucker. 2,403,458; July 9.
 Extraction of glycerine from fermentation residues. F. R. Balcar. 2,392,569; Jan. 8.
 Extraction process. W. J. D. van Dijk. Re. 22,788; Sept. 3.
 Extraction with sulphur dioxide. H. H. Meier. 2,402,425; June 18.
 Extractive distillation with furfural. V. Scarth. 2,404,253; July 16.
 Extractor. See—
 Centrifugal extractor. Multiple contact counter-current extractor.
 Fruit juice extractor. pneumatic extractor.
 Juice extractor. pneumatic extractor.
 Extractor. R. F. Thompson. 2,400,962; May 28.
 Extractor, Juice. P. Markowitz. 2,394,459; Feb. 5.
 Extractor-switch mechanism for machine guns. C. G. Swabillius. 2,404,325; July 16.
 Extractor tool for pressure cookers, Food jar. G. L. Miller. 2,396,334; Mar. 12.
 Extractor, Weed. K. D. Stewart. 2,394,568; Feb. 12.
 Extrusion apparatus. K. L. Berry and J. R. Downing. 2,403,476; July 9.
 Extrusion apparatus. E. L. Luaces. 2,410,035; Oct. 29.
 Extrusion apparatus. A. L. Sinclair and L. Stastney. 2,396,348; Mar. 12.
 Extrusion device. W. L. Webb. 2,408,713; Oct. 1.
 Extrusion machine. F. T. Griffiths. 2,404,630; July 23.
 Extrusion machine. H. F. MacMillan and P. C. Pocock. 2,413,871; Dec. 3.
 Extrusion press. U. Nissen. 2,392,336; Jan. 8.
 Eye bending device. E. R. Goldfield and R. J. Stava. 2,393,364; Jan. 22.
 Eyeglass hanger. A. Bongiovanni. 2,411,361; Nov. 19.
 Eyeglasses. R. L. Malcom. 2,398,021; Apr. 9.
 Eyeletting machine. S. R. Gookin. 2,410,495; Nov. 5.
 Eye protection device. G. H. Schauweker. 2,410,184; Oct. 29.
 Eyeshield. J. E. Du Bois. 2,406,998; Sept. 3.
 Eyeshield and welding hood, Auxiliary. R. E. Meyer. 2,406,092; Aug. 20.
 Eyeshield, Collapsible type. D. P. Bernheim and M. M. Glasberg. 2,409,243; Oct. 15.
 Eyeshield, Horse. K. Miller. 2,407,029; Sept. 3.
 Eyeshield, Industrial. R. L. Malcom. 2,409,140; Oct. 8.
 Eye, Shuttle. A. Villani. 2,393,077; Jan. 15.
 Eyrithria alkaloid and its production. R. T. Major and K. Polkers. 2,407,713; Sept. 17.
 Fabric. See—
 Knitted terry fabric. Producing textile fabric.
 Laminated porous elastic fabric. Woven fabric.
 Netted fabric.
 Fabric. H. Crawshaw. 2,412,562; Dec. 17.
 Fabric. A. A. Kahil. 2,401,828-9; June 11.
 Fabric. F. G. Manson and J. J. Maskey. 2,409,370; Oct. 15.
 Fabric and making same, Decorative. L. Kaplan. 2,399,744; May 7.
 Fabric and making same (dual elastic), Elastic. S. W. Alderfer. 2,390,463; Mar. 12.
 Fabric and making same, Elastic. S. W. Alderfer. 2,396,482; Mar. 12.
 Fabric and making same, Elastic. A. L. Wagner. 2,411,175; Nov. 19.
 Fabric and making same, Three tone. G. V. Uihlein. 2,410,764; Nov. 5.
 Fabric and making the same. A. A. Kahil. 2,401,830; June 11.
 Fabric and making the same, Stabilized. E. C. Pfeffer, Jr., J. A. Tweed, and J. Jarnack. 2,409,894; Oct. 22.
 Fabric articles, Preparation for treating launderable. H. Eber. 2,407,635; Sept. 11.
 Fabric articles, Washing and drying. F. H. Berg. 2,408,749; Oct. 8.
 Fabric, Composite. B. Lawrence, Jr. 2,410,884; Nov. 12.
 Fabric for abrasive base, Pile. T. Riding. 2,397,808; Apr. 2.
 Fabric for concrete constructions. W. Oakes. 2,406,559; Apr. 27.
 Fabric for handbag. Articulated. V. Berkowitz. 2,393,281; Jan. 22.
 Fabric, Knitted. L. N. Feinstein. 2,403,793; July 9.
 Fabric, Knitted. H. Fleischer. Re. 22,711; Jan. 22.
 Fabric production, Ornamental. L. Kaplan. 2,397,743; Apr. 2.
 Fabric take-up. O. Fregoele. 2,406,285; Aug. 20.
 Fabric tensioning means. F. G. and J. Weisbecker. 2,396,766; Mar. 19.
 Fabric Thermal. R. J. Fitzmaurice. 2,392,470; Jan. 8.
 Fabric treatment. C. M. Croft and W. J. Cramer, Jr. 2,410,867; Nov. 12.
 Fabric, Unified fibrous. W. Kollgren. 2,410,078; Oct. 29.
 Fabric webs, Method and apparatus for handling. P. Cook. 2,411,414; Nov. 19.
 Fabricated structure. M. Watter. 2,397,450; Mar. 26.
 Fabricating machine, Container. C. Z. Monroe. 2,399,934; May 7.
 Fabrication of discharge devices. J. E. Beggs. 2,411,184; Nov. 19.
 Fabrication of polytetrafluoroethylene articles. J. Alfthan and J. L. Chynoweth. 2,398,629; Mar. 19.
 Fabrics and making the same, Flame resistant and water repellent. J. L. Kurylchek. 2,406,779; Sept. 3.
 Fabrics containing wool and cellulose acetate, Milling. A. S. Cluley and T. G. Allen. 2,407,602; Sept. 10.
 Fabrics from alginate materials. Production of. J. B. Speakman and N. H. Chamberlain. 2,409,319; Oct. 15.
 Fabrics, Making porous coated. T. G. Hawley, Jr. 2,400,990; May 28.
 Fabrics, Production of laminating. A. Lyem. 2,409,704; Oct. 22.
 Fabrics, Screen printing of necktie. J. C. McCurrach. 2,400,700; May 21.
 Fabrics, Surface finishing impregnated. H. Snow and S. D. Pickard. 2,402,669; June 25.
 Fabrics to inorganic solids, Bonding glass. H. W. Collins. 2,404,904; July 30.
 Fabrics with locked selvages, Producing knitted. J. E. Patton. 2,401,505; June 4.
 Face clutch. E. Wildhaber. 2,398,570; Apr. 16.
 Face clutch. E. Wildhaber. 2,405,171; Aug. 6.
 Facial cleaner. G. L. Lindblad. 2,408,860; Oct. 8.
 Facing and boring device. P. J. Christman. 2,404,433; July 23.
 Facing device, Valve. R. D. Sprung. 2,406,570; Aug. 27.
 Facsimile apparatus. C. J. Young. 2,413,400; Dec. 31.
 Facsimile system. E. M. Deloraine, H. G. Busignies, and L. A. de Rosa. 2,406,811; Sept. 3.
 Facsimile system and apparatus. S. Khalil. 2,396,705; Mar. 19.
 Facsimile system and method. E. M. Deloraine, H. G. Busignies, and L. A. de Rosa. 2,406,812; Sept. 3.
 Fairing. H. B. Freeman. 2,397,957; Apr. 9.
 Fairing and device for applying and removing the same. Cable. K. H. Wilcoxon. 2,401,783; June 11.
 Fan. J. G. De Flon. 2,398,329; Apr. 16.
 Fan. R. L. Lincoln. 2,400,240; May 14.
 Fan. C. Poff. 2,396,749; Mar. 19.
 Fan and eyeshield, Combination. H. A. Husted. Re. 22,796; Oct. 1.
 Fan and eye shield, Combination. H. A. Husted. 2,392,671; Jan. 8.
 Fan and heater, Combined electric. L. B. Green. 2,397,171; Mar. 26.
 Fan and motor mounting. T. H. Troller and C. P. Jenkins. 2,397,171; Mar. 26.
 Fan and motor structure. T. H. Troller and C. P. Jenkins. 2,397,169; Mar. 26.
 Fan and motor unit. C. P. Jenkins. 2,397,170; Mar. 26.
 Fan, Axial flow. H. F. Hagen. 2,393,042; Jan. 15.
 Fan control, Engine. W. R. Bonham. 2,406,486; Aug. 27.
 Fan, Engine cooling. A. Chilton. 2,396,232; Mar. 12.
 2,391,964; Jan. 1.
 Fan wheel. A. F. L. Anderson. 2,392,113; Jan. 1.
 Fashion mechanism. O. Fregoele. 2,411,255; Nov. 19.
 Fastener. See—
 Adjustable clothesline fastener. Sash fastener.
 Closure fastener. Secret fastener.
 Covered separable fastener. Separable fastener.
 Cowl fastener. Sheet fastener.
 Crown fastener. Sheet-metal fastener.
 Electric contact snap fastener. Slide fastener.
 Hair fastener. Sliding clasp fastener.
 Laundryproof fastener. Snap fastener.
 Push fastener. Swinging closure fastener.
 Rail fastener. Temporary fastener.
 Roofing fastener. Topped fastener.
 Fastener. H. S. Clark and C. S. Head. 2,393,088; Jan. 15.
 Fastener. K. Eisele. 2,406,007; Aug. 20.
 Fastener. N. L. Gidden. 2,404,169; July 16.
 Fastener. S. W. Leming. 2,397,278; Mar. 26.
 Fastener. R. W. Luce. 2,409,702; Oct. 22.
 Fastener. R. W. Luce. 2,413,510; Dec. 31.
 Fastener. E. L. Mack. 2,396,736; Mar. 19.
 Fastener. L. A. Paley and W. H. Young. 2,392,179; Jan. 22.
 Fastener. J. W. Simmons. 2,392,704; Jan. 8.
 Fastener. G. J. Soderberg. 2,398,603; Apr. 18.
 Fastener. P. Van Sittert. 2,397,892; Apr. 2.
 Fastener. P. Van Sittert. 2,411,914; Dec. 3.
 Fastener assembly. R. W. Allen. 2,396,142; Mar. 5.
 Fastener assembly. H. Hatten. 2,410,441; Nov. 5.
 Fastener device. O. J. Poupitch. 2,395,141; Feb. 19.
 Fastener device, Closure. H. Auslander and I. M. Krischer. 2,402,939; July 2.
 Fastener device, Slide. H. L. Williams and P. S. Kellum. 2,394,732; Feb. 12.
 Fastener driving machine, Electric. J. J. Oussani. 2,403,947; July 16.
 Fastener element, Slide. G. A. Stiff. 2,394,211; Feb. 5.

- Fastener for edges of wearing apparel and the like. D. Blair. 2,406,528; Aug. 27.
- Fastener for electric fence insulators, Adjustable. H. C. Johnson. 2,409,491; Oct. 15.
- Fastener for paper forms and the like. A. P. Terry. 2,396,030; Mar. 5.
- Fastener for positioning, aligning, and securing plates for welding. R. W. and H. H. McLaren. 2,404,857; July 30.
- Fastener for wrist watch bands. J. Fikuart. 2,399,667; May 7.
- Fasteners, Applicator for belt. H. L. Coats. 2,404,041; July 16.
- Fasteners, Applicator for V-belt. H. L. Coats. 2,400,629; May 21.
- Fasteners, Cap for snap. O. J. Huelster. 2,402,627-30; June 23.
- Fasteners, Casting separable. L. H. Morin. 2,392,684; Jan. 8.
- Fasteners, Method and apparatus for manufacturing slide. M. Volty. 2,396,727; Mar. 19.
- Fasteners, Tape for slide. J. E. Fite, Jr. 2,400,924; May 28.
- Fastening device. C. E. Annett, 2d, and M. Armstrong. 2,409,180; Oct. 15.
- Fastening device. J. P. Butterfield. 2,411,864; Nov. 19.
- Fastening device. Emanuel Gisondi. Re. 22,758; May 21.
- Fastening device. E. Gisondi. 2,398,784; Apr. 23.
- Fastening device. T. R. L. Hallock. 2,404,372; July 23.
- Fastener device. T. Harada. 2,402,813; June 25.
- Fastening device. R. A. Hartman. 2,398,374; Apr. 16.
- Fastening device. A. G. Herreshoff. 2,405,424; Aug. 6.
- Fastening device. A. G. Herreshoff and W. Lamb. 2,407,928; Sept. 17.
- Fastening device. H. H. Judd and C. Giammatteo. 2,407,608-9; Sept. 10.
- Fastening device. W. R. MacCluney. 2,407,758; Sept. 17.
- Fastening device. M. J. Marty. 2,399,750; May 7.
- Fastening device. A. C. O'Brien. 2,404,243; July 16.
- Fastening device. O. J. Poupitch. 2,401,184; May 28.
- Fastening device. O. J. Poupitch. 2,405,925; Aug. 13.
- Fastening device. O. J. Poupitch. 2,408,340; Sept. 24.
- Fastening device. L. H. Steans and E. R. Andrews. 2,408,153; Sept. 24.
- Fastening device. G. C. Sullivan. 2,403,247; July 2.
- Fastening device. H. Taylor. 2,397,889; Apr. 2.
- Fastening device. A. H. Tinnerman. 2,396,062; Mar. 5.
- Fastening device. G. A. Tinnerman. 2,394,728-9; Feb. 12.
- Fastening device. G. A. Tinnerman. 2,399,957-8; May 7.
- Fastening device. G. A. Tinnerman. 2,400,142; May 14.
- Fastening device. G. A. Tinnerman. 2,400,270; May 14.
- Fastening device. G. A. Tinnerman. 2,400,666; May 21.
- Fastening device. G. A. Tinnerman. 2,401,202; May 28.
- Fastening device. G. A. Tinnerman. 2,401,672; June 4.
- Fastening device. G. A. Tinnerman. 2,405,913; Aug. 13.
- Fastening device. G. A. Tinnerman. 2,406,415; Aug. 27.
- Fastening device. Garment. E. Di Ianni. 2,407,969; Sept. 17.
- Fastening device, Releasable. S. B. Dina. 2,401,817; June 11.
- Fastening device, Sheet metal. H. W. Kost. 2,404,236; July 16.
- Fastening devices and manufacture thereof. V. V. Mason. 2,407,314; Sept. 10.
- Fastening for business machines. E. C. Wick. 2,395,156; Feb. 19.
- Fastening-inserting machine. E. C. Gill. 2,408,845; Oct. 8.
- Fastening inserting machine. W. T. B. Roberts. 2,400,601; May 21.
- Fastening-inserting machine. F. E. Stratton. 2,396,349; Mar. 12.
- Fastening means. K. Emde. 2,397,780; Apr. 2.
- Fastening means. R. Siegel. 2,404,271; Aug. 6.
- Fastening means. R. Van Rosen. 2,408,914; Aug. 13.
- Fastening means for fountain pens, Cap. K. G. Lytton. 2,396,866; Mar. 19.
- Fastening means, Rall. R. T. Scholes. Re. 22,776; Aug. 6.
- Fastening pulling machine. L. E. Steimen. 2,403,621; July 9.
- Fastening, Turbolade. W. Huber. 2,401,073; May 28.
- Fat-frying compositions. R. L. Lloyd and B. F. Buchanan. 2,401,259; May 28.
- Fat-soluble vitamin ester concentrates, Production of. C. E. Dryden and L. O. Buxton. 2,404,565; July 23.
- Fats and oils by addition of olive and coconut color, odor and flavor derived from olive and coconut juices and the resultant product, Improving. J. H. Forkner. 2,411,201; Nov. 19.
- Fats and oils, Stabilization of. D. K. O'Leary. 2,397,976; Apr. 9.
- Fats, fatty acids, and waxes, Refining, purifying, and hydrogenating. I. Taussky. 2,413,009; Dec. 24.
- Fats or oils, Purification of unsaponifiable fractions of. L. O. Buxton. 2,400,101; May 14.
- Fats, Refining. G. B. Bradshaw and W. C. Meuly. 2,398,492; Apr. 16.
- Fatty amide polymers. W. L. Morgan and E. D. McLeod. 2,410,788-9; Nov. 5.
- Fatty amine salts of acid phosphate di-esters. H. G. Smith and T. L. Cantrell. 2,403,762; July 9.
- Fatty substances, Recovery of. I. A. Parentjev. 2,395,790; Feb. 26.
- Fatty substances, Treatment of vegetable. R. P. Dumire. 2,401,338; June 4.
- Faucet. A. H. Haberstump. 2,392,918; Jan. 15.
- Faucet. R. M. Wilson. 2,408,541; Oct. 1.
- Faucet attachment. J. C. Thomas, III. 2,404,549; July 23.
- Faucet for beverages, Mixing. C. W. Lloyd. 2,408,664; Oct. 1.
- Faucet, Locked. R. M. Wilson. 2,403,837; July 9.
- Faucet, Mixing. C. V. Di Pietro. 2,401,914; June 11.
- Feathers, Production of modified. E. Havemann. 2,395,271; Feb. 19.
- Feed bar for pens, Hooded. R. Back. 2,403,703; July 9.
- Feed, binder, and cutter, Yarn. O. Fregoeille. 2,399,729; May 7.
- Feed control device. O. F. Goepfert. 2,402,037; June 11.
- Feed device, Rod. G. T. Bristol. 2,398,355; Apr. 16.
- Feed for drills, Automatic. A. E. Sherman. 2,395,018; Feb. 19.
- Feed for towel dispensers, Paper. P. A. Wooster. 2,404,421; July 23.
- Feed head for rotary tools. E. J. Lynch. 2,410,091; Oct. 29.
- Feed means and driving mechanism therefor. M. L. Sensenig. 2,402,849; June 25.
- Feed means, Hydraulic. J. W. Hackett and K. L. G. Copping. 2,409,850; Oct. 22.
- Feed means, Yarn. E. Killian. 2,406,775; Sept. 3.
- Feed mechanism. R. E. Armstrong. 2,394,836; Feb. 12.
- Feed mechanism for loading ordnance, tools, and the like. A. Gazda. 2,394,606; Feb. 12.
- Feed mechanism for machine tools, Tracer controlled. C. K. Salisbury. 2,402,450; June 18.
- Feed mechanism for sewing machines, Material. J. E. Scott. 2,407,907; Sept. 17.
- Feed mechanism, Gun. S. G. Green. 2,405,207; Aug. 6.
- Feed mixer. A. H. Kelderhouse. 2,400,202; May 14.
- Feed, regulating means for sewing machines. F. Parry. 2,410,790; Nov. 5.
- Feed, Self-acting stock. R. A. Papsdorf. 2,406,508; Aug. 27.
- Feed, Slide. A. E. Borton. 2,397,833; Apr. 2.
- Feed system for boilers, Water. R. R. Waterman. 2,404,114; July 16.
- Feeding apparatus for boilers. L. W. Jeffords. 2,412,775; Dec. 17.
- Feeder: See—
- Automatic drill press. Insert feeder.
- Feeder. Poultry feeder.
- Fuel feeder. Sheet feeder.
- Hay feeder. Vibratory feeder.
- Feeder for balers. F. P. Dickow. 2,409,478; Oct. 15.
- Feeder for cardboard, Continuous. F. R. Belluche. 2,396,240; Mar. 22.
- Feeder for threshers. R. B. Hitchcock and H. S. Seeber. 2,410,500; Nov. 5.
- Feeder system for linear motors. M. F. Jones and L. A. Kilgore. 2,412,512; Dec. 10.
- Feeding and cooling system, Fuel. L. P. Sharples. 2,403,821; July 9.
- Feeding and ejecting device for centerless grinders. J. E. Heckethorn. 2,412,730; Dec. 17.
- Feeding and gauging mechanisms, Sheet. E. A. Wilkens and E. M. Magill. 2,396,481; Mar. 12.
- Feeding and injection apparatus for oil-burning engines, Fuel. C. L. Cummins. 2,408,298; Sept. 24.
- Feeding and slitting mechanism. W. F. Huck. 2,412,047; Dec. 3.
- Feeding apparatus. J. C. Mobley and B. C. Skinner. 2,395,354; Jan. 22.
- Feeding apparatus. V. E. Pratt and G. F. Gray. 2,410,611; Nov. 5.
- Feeding apparatus, Chemical. A. F. McFarland. 2,413,029; Dec. 24.
- Feeding apparatus for drawing machines, Stock. W. E. Kerr. 2,412,049; Dec. 3.
- Feeding apparatus, Liquid. J. H. V. Finney. 2,401,345; June 4.
- Feeding apparatus, Sheet. W. E. Schneider. 2,402,453; June 18.
- Feeding device. R. E. J. Nordquist. 2,395,497; Feb. 26.
- Feeding device. C. S. Woolford. 2,395,527; Feb. 26.
- Feeding device, Card. K. J. Braun. 2,401,719; June 11.
- Feeding device, Fabric. M. J. and A. Lenartowicz. 2,393,786; Jan. 29.
- Feeding device for combustion chambers. R. H. Goddard. 2,409,036; Oct. 8.
- Feeding device for injection or extrusion machine. B. D. Ashbaugh. 2,408,285; Sept. 24.
- Feeding device for typewriting machines, Stationery. J. E. Euth. 2,400,226; May 24.
- Feeding device, Liquid. L. J. MacGlashan. 2,397,677; Apr. 2.
- Feeding device, Pin-type. C. L. Winter. 2,401,597; June 4.
- Feeding device, Web. L. C. Nield. 2,402,074; June 11.
- Feeding device with retractable pins, Stationery. C. L. Winter. 2,401,596; June 4.

- Feeding means, Automatic can. J. S. Baker. 2,402,144; June 18.
- Feeding means for manufacturing machines, Carbon. R. W. Ritzert. 2,407,799; Sept. 17.
- Feeding mechanism. A. E. Almgren. 2,393,961; Feb. 5.
- Feeding mechanism, Card. E. S. Rice and O. E. Kase. 2,402,774; June 25.
- Feeding mechanism for automatic firearms. G. Webb. 2,399,461; Oct. 15.
- Feeding mechanism for cotton batting and the like. M. W. Ramage, Jr. 2,411,637; Nov. 26.
- Feeding mechanism for punch presses, Wire or strip. J. MacBlane. 2,413,638; Dec. 31.
- Feeding mechanism for quilting machine and the like. T. F. Schlicksupp. 2,410,240; Oct. 29.
- Feeding mechanism for sewing machines. H. Hacklander. 2,398,225; Apr. 9.
- Feeding mechanism for sewing machines, Work. R. Becker. 2,409,242; Oct. 15.
- Feeding mechanism, Sheet. W. K. Eckhard. 2,406,006; Aug. 20.
- Feeding mechanism, Sheet. G. G. Hyde and J. H. Hochuli. 2,402,048; June 11.
- Feeding method and apparatus. M. F. Morgan. 2,409,378; Oct. 15.
- Felted products, Manufacture of. E. R. Powell and H. E. Holcomb. 2,409,066; Oct. 8.
- Fence and camouflage structure. Wire. C. Field. 2,396,256; Mar. 12.
- Fence, Electric. C. F. Dalziel. 2,401,815; June 11.
- Fence, Electric. N. J. Johnson. 2,396,512; Mar. 12.
- Fence, Electric. R. A. Kennedy. 2,400,829; May 21.
- Fence, Electric. S. G. Klumb. 2,413,506; Dec. 31.
- Fence machine. E. Kehrer and C. E. Faust. 2,405,257; Aug. 6.
- Fence, Multiple wire electric. S. A. Moore. 2,398,442; Apr. 16.
- Fermentation, Processes of. S. A. Waksman. 2,400,143; May 14.
- Fern packing machine. J. Gribner. 2,393,102; Jan. 15.
- Ferro-alloy briquet and manufacture of same. C. L. Vance. 2,405,278; Aug. 6.
- Ferrous article, Ceramic coated. L. D. Fetterolf. 2,406,534; Aug. 27.
- Ferrous metals and inhibitor for use therein, Pickling. H. L. Peterson. 2,392,404; Jan. 8.
- Ferrous metals, Pickling of. G. K. Hunt, J. F. Olin and H. H. Brandt. 2,411,791; Nov. 26.
- Ferrous sections, Continuous production of heat-treatable. P. H. Hume, W. F. McGarrity, and E. L. Robinson. 2,395,184; Feb. 19.
- Ferrous sections, Continuous production of heat-treatable. P. H. Hume, W. F. McGarrity, and E. L. Robinson. 2,400,931-2; May 28.
- Ferrous silicon magnetic material, Coating. H. M. Elsey and C. C. Horstman. 2,394,047; Feb. 5.
- Ferrous sulphate monohydrate, Production of. D. Edge. 2,395,729; Feb. 26.
- Ferrous sulphate, Stabilized E. Preiswerk. 2,411,636; Nov. 26.
- Ferrule, Paint brush. M. F. Kowalski. 2,395,224; Feb. 19.
- Fertilizer. S. D. Gooch. 2,395,219; Feb. 19.
- Fertilizer and making same. E. W. Eweson. 2,392,811; Jan. 15.
- Fertilizer distributor. B. J. Harder. 2,410,937; Nov. 12.
- Fiber and fiber products, Manufacture of bituminous. C. C. Heritage. 2,402,160; June 18.
- Fiber and production thereof, Staple. N. S. Welton. 2,411,644; Nov. 26.
- Fiberboard, Producing a variegated surface on. H. K. Linzell. 2,395,375; Feb. 19.
- Fiberboard, Producing variegated pressed. H. K. Linzell. 2,402,968; July 2.
- Fiber from protein contained in soy bean, Manufacturing artificial. T. Kajita and R. Inone. 2,394,308-9; Feb. 5.
- Fiber from vegetable matter, Process and apparatus for production of. C. C. Heritage. 2,405,218; Aug. 6.
- Fiber treatment. F. J. Schiessler. 2,406,407; Aug. 27.
- Fiber, Treatment of staple. H. Howorth and L. C. Holt. 2,406,542; Aug. 27.
- Fiberizing apparatus. L. A. Hawthorne and E. R. Powell. 2,398,707; Apr. 16.
- Fibers, Article and treatment of casein. J. E. Conrad. 2,412,125; Dec. 3.
- Fibers, Blending. O. W. Greene, R. W. Twitty, and T. L. Richie. 2,412,506; Dec. 10.
- Fibers, Colored glass. R. A. Schoenlaub. 2,394,493; Feb. 5.
- Fibers, Composition for treating keratin. J. B. Speakman. 2,400,377; May 14.
- Fibers, Drafting of. E. L. Richardson. 2,407,100; Sept. 3.
- Fibers, Drying staple. H. C. R. Folmer. 2,409,747; Oct. 22.
- Fibers from globular and fibrous proteins, Artificial. O. Huppert. 2,413,501; Dec. 31.
- Fibers from proteins, Production of. F. K. Watson. 2,403,251; July 2.
- Fibers made of protein, Hardening and tanning of artificial. R. Signer. 2,404,665; July 23.
- Fibers or fibrous material containing keratin, Treatment of. J. B. Speakman. 2,410,248; Oct. 29.
- Fibers, Processing of synthetic. J. L. Getaz. 2,394,165; Feb. 5.
- Fibers, Processing vegetable. C. D. Best. 2,403,331; July 2.
- Fibers, Treatment of casein. J. E. Conrad. 2,412,126; Dec. 3.
- Fibrous boards from their supporting members, Separating. E. A. I. Ortmell. 2,394,256; Feb. 5.
- Fibrous bristles, Making. J. Overbeke. 2,406,707; Aug. 27.
- Fibrous material, Depositing. R. M. Roberts. 2,392,882; Jan. 15.
- Fibrous material, Treatment of. E. White and C. A. Smucker. 2,397,453; Mar. 26.
- Fibrous materials, Decorticating. J. V. Johansen. 2,391,977; Jan. 1.
- Fibrous materials, Machine for drafting. G. Dakin. 2,399,006; Apr. 23.
- Fibrous materials, Making. W. C. Toland and B. B. Burbank. 2,402,469; June 18.
- Fibrous materials, Obtaining moisture regain in. W. N. Hadley. 2,401,926; June 11.
- Fibrous product from wood, Preparing. F. W. Kressman. 2,400,546; May 21.
- Fibrous sheet material, Saturating. J. G. Young. 2,407,756; Sept. 17.
- Fibrous suspension, Straightening. S. E. E. Ahlfors. 2,409,524; Oct. 15.
- Fid. V. Adrias, II. 2,394,884; Feb. 12.
- Field emission arc discharge tube. C. M. Slack, A. Pfeiffer, and C. E. Dawley. 2,409,717; Oct. 22.
- Field responsive device, Magnetic. L. F. Beach. 2,410,039; Oct. 29.
- Field switch. W. H. Schymik. 2,412,293; Dec. 10.
- Fifth wheel mounting. R. H. Maddock and G. E. Kricker. 2,402,254; June 18.
- Figure toy and making the same. M. Caruso. 2,392,227; Jan. 1.
- Filament and like structures, Method and apparatus for manufacture of continuous. W. J. Gundelfinger. 2,411,774; Nov. 26.
- Filament extrusion device. R. J. Taylor and W. L. Webb. 2,398,729; Apr. 16.
- Filament of cathode and its manufacture, Coiled. L. R. Peters. 2,394,474; Feb. 5.
- Filamentary articles, Forming. A. O. Ryan. 2,402,846; June 25.
- Filamentary material, Activation of. D. S. Gustin and N. H. Bryant. 2,392,318; Jan. 8.
- Filamentary materials, High tenacity. G. W. Seymour and W. Brooks. 2,407,105; Sept. 3.
- Filamentary materials, Method and apparatus for crimping. J. E. Spalding and D. B. Wicker. 2,407,108; Sept. 3.
- Filamentous product. R. J. Taylor. 2,399,260; Apr. 30.
- Filamentous product and making it, Novel. R. J. Taylor. 2,399,258; Apr. 30.
- Filaments and product thereof, Making hollow. R. J. Taylor. 2,399,259; Apr. 30.
- Filaments, Nylon. W. R. McClellan. 2,412,054; Dec. 3.
- Filaments of hydrolyzed olefin/vinyl organic ester interpolymers, Improving. H. B. Stevenson. 2,411,474; Nov. 19.
- Filaments of ionization gauges, Treating. H. W. Washburn and H. Wiley. 2,406,419; Aug. 27.
- Filaments or threads, Stretching of. T. Jackson and T. B. Fearson. 2,402,228; June 18.
- Filaments, Resilient. F. G. Dodge. 2,408,381; Oct. 1.
- File drawer follower. B. Bradner. 2,407,055; Sept. 3.
- File, Form. J. S. Denton. 2,393,644; Mar. 19.
- File handle. J. A. Mann. 2,401,908; June 4.
- Files, Reconditioning. R. S. Truesdell. 2,405,101; July 30.
- Filing apparatus. R. P. Scholfield. Re. 22,765; June 11.
- Filing apparatus. R. P. Scholfield. 2,413,078; Dec. 24.
- Filing cabinet. J. W. Paxton. 2,409,308; Oct. 15.
- Filing cabinet. J. W. Paxton and I. R. Cornish. 2,405,668; Aug. 13.
- Filing cabinet. R. E. Wells. 2,410,255; Oct. 29.
- Filing equipment. B. Hunter. 2,412,219; Dec. 10.
- Filing machine. J. Beland. 2,407,053; Sept. 3.
- Filing system. S. J. O'Hara. 2,399,376; Apr. 30.
- Filler and drainer, Combined. W. H. Scott. 2,397,295; Mar. 26.
- Filler, Automatic container. N. E. Lauterbach. 2,395,674; Feb. 26.
- Filler cap and relief vent. V. R. Abrams. 2,396,233; Mar. 12.
- Filler, Expansion joint. E. M. Jenkins and D. Loetscher. 2,401,936; June 11.
- Filler for cartons, Fiberboard cushioning. W. E. Turner. 2,410,591; Nov. 5.
- Filler for shoes, Bottom. H. G. Lombard. 2,401,088; May 28.
- Filler, Matrix. A. W. Davis. 2,406,322; Aug. 27.
- Filler, Multiple liquid measuring and mixing can. C. E. Kerr. 2,393,362; Jan. 22.
- Filler, Piston ring gap. R. D. Powell. 2,395,429; Feb. 26.
- Filler system for ammunition, Nonleak liquid explosive. N. M. Hopkins. 2,409,858; Oct. 22.

- Filler, Tank. L. A. Chouinard. 2,399,167; Apr. 30.
 Filling apparatus and valve. R. J. Stewart and H. R. Franz. 2,399,300; Apr. 30.
 Filling apparatus. Bag. R. J. Williams and A. S. Littlefield. 2,403,149; July 2.
 Filling arrangement for ball-pointed fountain pens. I. Florman. 2,408,256; Sept. 24.
 Filling device, Automatic cylinder. O. L. Garretson, T. A. St. Clair, and A. R. Olson. 2,408,842; Oct. 8.
 Filling machine. H. G. Allen. 2,394,737; Feb. 12.
 Filling machine, Liquid. R. E. J. Nordquist. 2,405,232; Aug. 6.
 Filling machine, Package. C. and H. H. Doering, B. J. Skoglund, and E. W. Anderson. 2,399,914; May 7.
 Filling nozzle valve. K. J. Walker and C. E. Hawk. 2,401,124; May 28.
 Filling unit, Fountain pen. W. J. Heagney. 2,406,330; Aug. 27.
 Filling valve. C. D. Russell. 2,413,194; Dec. 24.
 Filleting machine, Fish. W. H. Hunt. 2,400,118; May 14.
 Fillets, Producing. H. P. Moyer. 2,407,995; Sept. 24.
 Film. J. F. Vincent. 2,392,006; Jan. 15.
 Film and method, Composite. A. Hersherber. 2,411,878; Dec. 3.
 Film cleaning device. B. E. Mills. 2,408,438; Oct. 1.
 Film, Color correction in multilayer. Le R. M. Dearing. Re. 22,764; June 11.
 Film containing iodine. C. J. Cavallito. 2,400,389; May 14.
 Film developer tank. G. Rauglas. 2,393,654; Jan. 29.
 Film exhibitor, Automatic. D. Heyer. 2,398,639; Apr. 16.
 Film feeding device. V. E. Pratt and G. F. Gray. 2,412,551; Dec. 10.
 Film-feeding mechanism. J. B. Contner. 2,410,962; Nov. 12.
 Film feeding mechanism for photographic apparatus, Electrically driven. E. Cronholm. 2,398,133; Apr. 9.
 Film. Flexible reflex reflecting. M. H. Philippi. 2,403,752; July 9.
 Film holder. F. R. Berne. 2,401,541; June 4.
 Film manufacture. F. T. Peters. 2,405,977; Aug. 20.
 Film, Nonreflective. F. H. Nicol. 2,410,300; Oct. 29.
 Film, Nonstatic photographic. F. J. Kasuba. 2,403,533; July 9.
 Film, Sound image in multilayer. L. D. Mannes. 2,401,699; June 4.
 Film splicer. P. Baia. 2,392,965; Jan. 15.
 Film splicing device. R. Matson. 2,394,317; Feb. 5.
 Film strips, Projecting images from intermittently advancing. A. E. Krows. 2,395,883; Mar. 5.
 Film, Treating motion picture. H. T. Neumann. 2,398,804; Apr. 23.
 Film viewing device. R. W. Farrell. 2,408,384; Oct. 1.
 Film wind and shutter control mechanism, Camera. C. W. Crumrine. 2,398,412; Apr. 16.
 Films, plates, and papers, Testing of photographic. G. B. Harrison, R. J. Hercock, and R. G. Horner. 2,393,631; Jan. 29.
 Films possessing low water imbibition, Dyeing of. R. C. Greenlees. 2,413,559; Dec. 31.
 Films to sheet material, Securing elastomeric. L. H. Hills and A. L. Gordon. 2,399,804; May 7.
 Filter. See—
 Air filter.
 Band pass wave filter.
 Continuous disk filter.
 Continuous filter.
 Egg filter.
 Electric wave filter.
 Electrical filter.
 Light filter.
 Filter. S. Alsop. 2,392,354; Jan. 8.
 Filter. S. W. Briggs. 2,398,284; Apr. 9.
 Filter. C. E. Brown. 2,392,901; Jan. 15.
 Filter. W. G. Burhans. 2,394,395; Feb. 12.
 Filter. L. J. Clark. 2,403,261; July 2.
 Filter. R. W. George. 2,409,556; Oct. 15.
 Filter. L. M. Hedges. 2,409,278; Oct. 15.
 Filter. S. T. Howard. 2,397,142; Mar. 26.
 Filter. G. E. Olson. 2,399,887; May 7.
 Filter. M. Sigmund. 2,397,759; Apr. 2.
 Filter. C. G. Vokes. 2,407,194; Sept. 3.
 Filter. C. G. Vokes. 2,410,371; Oct. 29.
 Filter. C. G. Vokes and E. A. Stokes. 2,406,308; Aug. 20.
 Filter and antistatic layers, Photographic. J. A. Widmer. 2,405,106; July 30.
 Filter and final scraper therefor, Rotary. H. C. Butler. 2,395,098; Feb. 19.
 Filter and silencer, Combination air. W. Neumann. 2,398,322; Apr. 9.
 Filter bed, leveling or scraping means. A. B. Asch. 2,396,769; Mar. 19.
 Filter bottoms, Constructing. J. C. Thorsen. 2,401,121; May 28.
 Filter cleaning mechanism. C. E. Fraser. 2,396,779; Mar. 19.
 Filter construction. F. P. Kurz. 2,395,225; Feb. 19.
 Filter construction, Zig-zag. O. H. Schaaf. 2,398,045; Apr. 9.
 Filter control, Single knob variable density. R. E. Banker. 2,399,658; May 7.
 Filter for aircraft engines, Air intake. C. G. Vokes. 2,405,102; July 30.
 Filter for breathing apparatus. E. Venable. 2,400,179; May 14.
 Filter for fluid flow systems. W. O. Tait. 2,407,190; Sept. 3.
 Filter for gases under pressure. C. G. Vokes and E. A. Stokes. 2,404,468; July 23.
 Filter frame. R. J. Brandt. 2,401,044; May 28.
 Filter installation, Liquid. E. G. Gunn. 2,411,539; Nov. 26.
 Filter members, Making. E. C. Sloan. 2,395,301; Feb. 19.
 Filter pad. J. W. Armary. 2,399,158; Apr. 30.
 Filter plug. H. K. Foster. 2,392,656; Jan. 8.
 Filter screen. L. Spragen. 2,396,295; Mar. 12.
 Filter structure. A. S. Fisk and J. P. Kovacs. 2,398,824; Apr. 23.
 Filter structure and making it. W. G. Luttge and E. G. Mesthene. 2,396,712; Mar. 19.
 Filter unit. S. W. Briggs. 2,395,449; Feb. 26.
 Filter unit and making same. S. W. Briggs. 2,413,431; Dec. 31.
 Filtering. J. P. Hamilton and C. F. Jones. 2,404,061; July 16.
 Filtering and timing method and system, Variable. R. L. Haynes. 2,396,507; Mar. 12.
 Filtering apparatus. F. B. Shepard. 2,411,341; Nov. 19.
 Filtering apparatus. W. Smalley. Re. 22,784; Aug. 27.
 Filtering arrangement. A. M. Gurewitsch. 2,408,927; Oct. 8.
 Filtering device. W. C. Bauer. 2,401,039; May 28.
 Filtering device, Respiratory. J. B. Biederman. 2,404,686; July 23.
 Filtration, Method and apparatus for. C. L. and C. J. Peterson. 2,403,021; July 2.
 Fin, Foot. E. R. Bufkin. 2,395,844; Mar. 5.
 Fin, Heat exchange. C. A. Sewell. 2,402,262; June 18.
 Fine lines photographically, Method and composition of producing. A. Schoen and L. L. Patterson. 2,393,821; Jan. 29.
 Finger cap. R. Weil. 2,401,714; June 4.
 Finger for cutter bars, Supplemental lifting. E. Beltz. 2,394,838; Feb. 12.
 Finger for tool grinders, Adjustment. P. S. Butchko. 2,395,249; Feb. 19.
 Finger, hand attachment. V. D. Brittingham. 2,409,101; Oct. 8.
 Finger rest. R. G. Young. 2,392,626; Jan. 8.
 Finger ring. M. Manne. 2,394,794; Feb. 12.
 Finger ring construction. A. Koenig. 2,408,982; Oct. 8.
 Fingernails, Treating. I. Aherbach. 2,413,537; Dec. 31.
 Finisher, Garment. E. L. Pettit. 2,412,172; Dec. 3.
 Finishing gauge. W. S. Pierce, Jr. 2,394,475; Feb. 5.
 Finishing textile materials particularly to render the same water repellent. E. Zerner, G. D. M. Davies, and P. I. Pollak. 2,413,024; Dec. 24.
 Finned tube. J. W. Brown, Jr. 2,400,737; May 21.
 Finned tubes with support engaging bearing portions, Manufacturing. W. P. Hill. 2,404,575; July 23.
 Fins to cylindrical bodies, Applying helical. E. S. Lea. 2,396,795; Mar. 19.
 Fins, Winding of spiral. E. Bruegger. 2,398,172; Apr. 9.
 Firearm. H. R. Clarke. 2,401,616; June 4.
 Firearm. W. L. Finlay and G. E. Hutchinson. 2,398,298; Apr. 9.
 Firearm. A. Gal. 2,396,564; Mar. 12.
 Firearm. G. J. Hyde. 2,407,157; Sept. 3.
 Firearm. M. M. Johnson, Jr. 2,409,568; Oct. 15.
 Firearm. L. A. Rix. 2,402,086; June 11.
 Firearm. J. Vesely. 2,399,800; May 7.
 Firearm. C. A. Young. 2,401,034; May 28.
 Firearm, Automatic. J. C. Cantley and A. F. Pym. 2,409,251; Oct. 15.
 Firearm, Automatic. E. M. Harvey. 2,397,963; Apr. 9.
 Firearm, Automatic. M. M. Johnson, Jr. 2,409,569; Oct. 15.
 Firearm, Bolt-action. D. M. Williams. 2,404,555; July 23.
 Firearm bolt tool. J. M. Brown. 2,409,191; Oct. 15.
 Firearm construction. F. W. Sampson. 2,403,306; July 2.
 Firearm, Gas-operated self-loading. H. L. Crockett. 2,394,986; Feb. 19.
 Firearm rear sight. H. F. Mossberg and E. Bullard. 2,405,512; Aug. 6.
 Firearm, Repeating. V. A. Browning. 2,401,903; June 11.
 Firearm, Repeating. V. A. Browning. 2,409,733; Oct. 22.
 Firearms, Safety mechanism for bolt-action. H. L. Crockett. 2,402,735; June 25.
 Firearms, Telescope sight mount for. P. I. Gruver. 2,401,825; June 11.
 Fire basket. N. J. Kunat. 2,408,935; Oct. 8.
 Firebox, Locomotive boiler. H. E. May. 2,410,513; Nov. 5.
 Fire control apparatus. H. C. Ford. 2,405,028; July 30.
 Fire control computer, Aircraft. C. G. Holschuh and D. Fram. 2,407,665; Sept. 17.
 Fire control data, Computing. R. E. Crooke. 2,412,443; Dec. 10.

- Fire control valve and fuel line. D. K. Allison. 2,397,518; Apr. 2.
- Fire detector cable. L. H. Walbridge. 2,413,125; Dec. 24.
- Fire escape. S. Chiarello. 2,393,087; Jan. 15.
- Fire escape. E. C. Larson. 2,409,767; Oct. 22.
- Fire extinguisher. E. F. Angell. 2,412,491; Dec. 10.
- Fire extinguisher, Automatic. O. E. Barnard. 2,405,125; Aug. 6.
- Fire extinguisher supporting means, Portable. S. Boal. 2,397,235; Mar. 26.
- Fire extinguishing apparatus. F. J. Hogenmiller, F. L. Boyd, and L. W. Boerner. 2,405,652; Aug. 13.
- Fire extinguishing composition. G. G. Urquhart. 2,413,667; Dec. 31.
- Fire extinguishing composition and making same. D. Levin. 2,405,438; Aug. 6.
- Fire-extinguishing pump. R. Zieschang. 2,401,785; June 11.
- Fire hose rack. J. N. Schlichtel. 2,397,293; Mar. 26.
- Fire hose reel. C. C. Calabrese and J. S. Herold. 2,408,043; Sept. 24.
- Fireplace. G. N. Bolinger. 2,409,731; Oct. 22.
- Fireplace construction. A. P. Robinson. 2,393,812; Jan. 29.
- Fireproof front. G. and L. Merryweather. 2,398,240; Apr. 9.
- Fireproofing system. J. E. Urbany. 2,413,087; Dec. 24.
- Fireproofing coating method and product. W. D. Timmons. 2,395,922; Mar. 5.
- Fire tool. W. J. Wilson. 2,400,451; May 14.
- Firing means. H. J. Rolfe and E. C. Halliday. 2,411,339; Nov. 19.
- Firing mechanism. J. G. Seitz. 2,405,798; Aug. 13.
- Firing mechanism. W. E. Thibodeau and G. J. Kessenich. 2,396,304; Mar. 12.
- Firing mechanism for automatic guns. H. Trevasakis. 2,397,387; Mar. 26.
- Firing mechanism for firearms. G. N. Albree. 2,407,526; Sept. 10.
- Firing mechanism for training arms, Imitation. W. G. Dunn. 2,406,493; Aug. 27.
- Firing mechanism for well shooting guns. E. L. Ahlgren. 2,396,768; Mar. 19.
- First-aid container. F. Armbruster and E. Stearns. 2,409,465; Oct. 15.
- Fischer synthesis. A. K. Redcay. 2,406,851; Sept. 3.
- Fish. Canning fresh water. A. R. Kleinschmidt. 2,411,736; Nov. 26.
- Fish. Discharging apparatus. J. D. Toft. 2,396,305; Mar. 12.
- Fishhook. D. H. Bucks. 2,402,730; June 25.
- Fishhook. R. K. McDougal. 2,407,759; Sept. 17.
- Fishhook, Automatic. F. Schwarzer. 2,406,912; Sept. 3.
- Fishhook holder. N. S. Shelton. 2,401,886; June 11.
- Fishhook making machine. W. J. De Witt and H. A. Corbett. 2,406,456; Aug. 27.
- Fish in fresh condition, Keeping. J. R. Macdonald. 2,402,199; June 18.
- Fishing device. J. L. Potter. 2,406,282; Aug. 20.
- Fishing line retriever. E. R. Bray. 2,397,916; Apr. 9.
- Fishing pole holder. C. B. Gregory. 2,399,435; Apr. 30.
- Fishing reel. A. J. Forestiere, Sr. 2,399,863; May 7.
- Fishing reel. H. F. Maynes. 2,399,132; Apr. 23.
- Fishing reel. R. Reynolds. 2,400,317; May 14.
- Fishing reel. J. V. Schafer. 2,409,154; Oct. 8.
- Fishing reel. W. Willman. 2,391,935; Jan. 1.
- Fishing rig or leader. L. A. Hickson. 2,392,147; Jan. 1.
- Fishing rod and reel. O. J. Aubertin. 2,410,331; Oct. 29.
- Fishing rod indicator. G. R. Schwes. 2,409,988; Oct. 22.
- Fishline drier. R. O. Shonts. 2,401,517; June 4.
- Fish lure. D. L. Forbess. 2,396,366; Mar. 12.
- Fish lure. J. A. Lind. 2,397,968; Apr. 9.
- Fish lure. A. Sabe. 2,403,759; July 9.
- Fish lure. B. H. Zebbig. 2,394,132; Feb. 5.
- Fish lure casting plug. E. W. Parker. 2,413,371; Dec. 31.
- Fish lure, Skirted. W. Willman. 2,413,344; Dec. 31.
- Fish. Preserving. E. M. Borg. 2,411,188; Nov. 19.
- Fish. Salted. H. Hempel. 2,397,547; Apr. 2.
- Fish scaling clamp. W. P. Shaks. 2,405,760; Aug. 13.
- Fish. Treating. C. M. Savrda. 2,406,907; Sept. 3.
- Fish. Water, Treatment of. R. C. Ernst. 2,403,174; July 2.
- Fitting. W. C. Buttner. 2,408,912; Oct. 8.
- Fitting. J. K. Russell. 2,398,041; Apr. 9.
- Fitting. L. Vaught. 2,413,089; Dec. 24.
- Fitting. Attachment. J. N. Gladden and L. Zieinski. 2,401,824; June 11.
- Fitting. Chokey. C. J. Sekera. 2,393,423; Jan. 22.
- Fitting. Drain. R. Dick. 2,394,964; Feb. 12.
- Fitting. Electrical conduit. A. Olevin. 2,392,940; Jan. 15.
- Fitting for tanks. Access door. F. J. Peppersack. 2,406,708; Aug. 27.
- Fitting hearing aid device. E. A. Strommen. 2,394,569; Feb. 12.
- Fitting. Lubricant. E. V. Davis. 2,410,480; Nov. 5.
- Fitting. Lubricant-receiving. A. P. Fox, L. C. Rotter, and V. G. Klein. 2,400,817; May 21.
- Fitting machine, Heel seat. R. S. Megathlin. 2,398,796; Apr. 23.
- Fitting. Return bend. M. Q. Colton. 2,402,533; June 25.
- Fitting. Rip cord. O. J. Bratz. 2,398,692; Apr. 16.
- Fitting to ropes, Method of applying. A. G. H. Bannerman, J. M. Curran, and G. H. Trout. 2,412,941; Dec. 24.
- Fitting. Vibration dampening. J. N. Wolfram. 2,397,180; Mar. 26.
- Fittings. Screw. C. J. Rasmussen. 2,397,290; Mar. 26.
- Fittings to containers. Securing. L. Shakesby, C. A. Sutherland, and S. H. Smith. 2,409,907; Oct. 22.
- 5-arylcarbonyl 2-mercaptobenzothiazoles. R. A. Mathes. 2,402,066; June 11.
- 5,5-diaryl hydantoins. Obtaining. H. R. Henze. 2,409,755-6; Oct. 22.
- 5-ureido-1,2,4-oxadiazoles and their preparation. D. W. Kaiser. 2,399,599; Apr. 30.
- Fixture. See—
- Tubular lamp fixture.
- Fixture. Adjustable. V. G. Jarman. 2,408,316; Sept. 24.
- Fixture. Combination type window. G. W. Harman. 2,396,572; Mar. 12.
- Fixture. Contact. L. D. Hansen, F. E. Harris, A. S. Hegeman, and H. N. Snook. 2,413,410; Dec. 31.
- Fixture. Curtain. J. S. Benman. 2,402,800; June 25.
- Fixture. Explosionproof lighting. N. A. Tornblom. 2,392,202; Jan. 1.
- Fixture. Fluorescent lighting. J. W. Kilduff and R. G. Maurette. 2,413,505; Dec. 31.
- Fixture for assembling articles. J. L. Baum. 2,399,536; Apr. 30.
- Fixture for grinding wheel and tool forms. E. M. Looney. 2,406,467; Aug. 27.
- Fixture for holding and measuring work at selective angles. O. E. Sorensen. 2,406,043; Aug. 20.
- Fixture for spreading mortar on glass blocks. W. Bortolotti. 2,395,738; Jan. 29.
- Fixture for spreading mortar on glass blocks. W. Bortolotti. 2,403,335; July 2.
- Fixture for tubular lamps. W. R. Young. 2,399,531; Apr. 30.
- Fixture. Form tool generating. W. F. Ross. 2,412,653; Dec. 17.
- Fixture. Gear. M. M. Matchett. 2,394,624; Feb. 12.
- Fixture. Lighting. E. F. Guth. 2,401,635; June 4.
- Fixture. Magnetic. J. H. Barrett. 2,400,062; May 14.
- Fixture. Meter installation. J. N. Blank. 2,412,558; Dec. 17.
- Fixture. Milling. L. Hain. 2,412,454; Dec. 10.
- Fixture. Milling. C. J. Kucyn. 2,401,000; May 28.
- Fixture. Shaping. A. F. Emrich. 2,395,469; Feb. 26.
- Fixture. Store. G. G. Ferro. 2,409,117; Oct. 8.
- Fixture. Tap. C. E. Miller. 2,398,661; Apr. 16.
- Fixture. Tool biture. W. Gideon. 2,410,494; Nov. 5.
- Fixture. Tool guiding. R. C. Kivler. 2,412,458; Dec. 10.
- Fixture. Tool guiding. J. S. Stull. 2,412,459; Dec. 10.
- Fixture. V-block. C. E. Walling. 2,396,450; Mar. 12.
- Fixture. Work holding. E. M. Strickland. 2,408,491; Oct. 1.
- Fixtures and the like. Shield for electrical wall. C. West. 2,398,901; Apr. 23.
- Flagstaff support. M. Lange. 2,405,701; Aug. 13.
- Flagstaff support. M. Lange and M. S. Brockman. 2,398,748; Apr. 16.
- Flame contact unit for burner control systems. H. A. Atwater. 2,396,146; Mar. 5.
- Flame hardening apparatus. A. L. Hartley. 2,412,333; Dec. 10.
- Flame hardening. Method and apparatus for. L. J. Stevenson and L. L. Babcock. 2,410,134; Oct. 29.
- Flame sensitive device. S. G. Eskin. 2,412,977; Dec. 24.
- Flange for kitchen sinks and like fixtures. Sealing. L. J. Fawcuss and N. L. Rossig. 2,397,690; Apr. 2.
- Flange spreader. H. L. Miller. 2,393,795; Jan. 29.
- Flanges on breeches piece or the like, Forming. N. T. McKee. 2,396,110; Mar. 5.
- Flanging device. K. C. Bugg. 2,394,841; Feb. 12.
- Flanging machine. E. V. Crane and K. A. Kuhn. 2,412,874; Dec. 17.
- Flanging machine. A. H. McCabe. 2,394,193; Feb. 5.
- Flare. Illuminating. C. D. A. J., and C. Schermuly. 2,409,905; Oct. 22.
- Flash from soft molded articles, Removing. L. W. Lubenow. 2,402,967; July 2.
- Flash heated shapes of polystyrene, Prevention of crazing of. F. E. Wiley. 2,402,221; June 18.
- Flash lamp. H. T. and H. H. Hipwell. 2,396,046; Mar. 5.
- Flashlamp. Mechanical. R. A. Adams. 2,405,702; July 9.
- Flash lamps. Means to ignite photographic. L. Weissglass. 2,409,967; Oct. 22.
- Flasher. Low voltage. C. H. McClure. 2,408,568; Oct. 1.
- Flashlight. J. A. and J. P. Gits. 2,408,393; Oct. 1.
- Flashlight. W. L. Paul. 2,401,014; May 25.
- Flashlight. C. Sabiers. 2,399,511; Apr. 30.
- Flashlight. H. Wirz. 2,401,033; May 28.
- Flashlight construction. J. G. Lippincott. 2,404,735; July 23.
- Flashlight for pedestrians and bicycle riders. Safety. J. A. Hoy. 2,408,838; Oct. 1.
- Flashlight. Mechanical. H. Weil. 2,393,209; Jan. 15.

- Flashlight, Pocket. R. H. Battersby and J. C. Prior. 2,412,313; Dec. 10.
- Flashlight, Portable electric. B. F. Muldoon. 2,401,366; June 4.
- Flash-photography apparatus. K. J. Gerneshausen. 2,399,222; Apr. 30.
- Flash-photography, High-speed. H. E. Edgerton. 2,408,764; Oct. 8.
- Flash-photography method and apparatus for use with motion-picture cameras. H. E. Edgerton. 2,393,316; Jan. 22.
- Flask, Decanter. P. Schlumbohm. 2,411,340; Nov. 19.
- Flask for dental models, Duplicating. N. Ingersoll, Jr. 2,397,264; Mar. 26.
- Flask, Foundry. W. J. Spensley. 2,393,200; Jan. 15.
- Flatiron. R. O. Spencer. 2,407,110; Sept. 3.
- Flatiron and control therefor, Electric. A. H. Riess. 2,405,270; Aug. 6.
- Flatiron holder. I. Trevino. 2,410,534; Nov. 5.
- Flatiron, Quick drying. A. C. Purpura. 2,402,575; June 25.
- Flaws, Detecting. A. C. Layton. 2,393,998; Feb. 5.
- Flaws in rails, Method and apparatus for detecting. W. C. Barnes and H. W. Keevil. 2,410,803; Nov. 12.
- Fleeting device. A. Mackmann. 2,396,958; Mar. 19.
- Flexible ammunition machine gun feed. C. R. Elliot. 2,391,888; Jan. 1.
- Flexible bandstructure. A. Blumstein. 2,392,116; Jan. 1.
- Flexible coupling. L. Sloan. 2,397,700; Apr. 2.
- Flexible coupling. S. A. Stone. 2,398,261; Apr. 9.
- Flexible coupling. L. Wallerstein, Jr. 2,406,875; Sept. 3.
- Flexible device. H. and O. Ghez. 2,397,415; Mar. 26.
- Flexible idler. H. A. Kner. 2,393,993; Feb. 5.
- Flexible joint. O. C. H. De Shields. 2,391,885; Jan. 1.
- Flexible joint. D. C. Holmes. 2,407,155; Sept. 3.
- Flexible mattress handle. M. Bechik. Rec. 22,807; Oct. 29.
- Flexible packing or sealing ring. C. C. S. Le Clair. 2,402,114; June 11.
- Flexible pipe. F. E. Swain. 2,394,270; Feb. 5.
- Flexible pipe coupling. W. L. Stivason. 2,408,960; Oct. 8.
- Flexible pocket receptacle. R. E. Dingman. 2,406,672; Aug. 27.
- Flexible strip electrical connector. G. C. Thomas, Jr. 2,396,725; Mar. 19.
- Flexible tube. T. Mariner. 2,401,949; June 11.
- Flexible tube. F. T. Roberts. 2,396,059; Mar. 5.
- Flexible tube pump. L. E. Harper. 2,412,387; Dec. 10.
- Flexible wall structure. J. J. Skelly. 2,411,902; Dec. 3.
- Float alloy. H. Kent. 2,408,400; Oct. 1.
- Float. E. R. Armstrong. 2,399,656; May 7.
- Float. D. M. Lontz. 2,395,892; Mar. 5.
- Float and filling material therefor. H. A. Gardner. 2,395,266; Feb. 19.
- Float, Concrete. W. S. Haivala. 2,410,343; Oct. 29.
- Float control valve. O. L. Garretson. 2,404,795; July 30.
- Float control valve. T. L. Gibb. 2,394,994; Feb. 19.
- Float, Filled. H. A. Gardner. 2,411,202; Nov. 19.
- Float, Fishing. L. M. Henricks. 2,412,399; Dec. 10.
- Float, Fishing. F. J. Saloun. 2,393,070; Jan. 15.
- Float for aircraft, Collapsible. T. P. Hall and B. Smith. 2,399,346; Apr. 30.
- Float valve. J. L. Harris. 2,400,561; May 21.
- Float valve. H. E. Malone. 2,400,560; May 21.
- Floating structure. F. G. Creed. 2,405,115; Aug. 6.
- Floating toolholder. T. R. Jones. 2,399,807; May 7.
- Floating tool holder. J. E. Sheuman. 2,404,866; July 30.
- Floats, Safety device for liquid sealed gas pressure. W. Briscoe. 2,401,046; May 28.
- Floor-cleaning implement. W. F. Herold. 2,407,421; Sept. 10.
- Floor construction. R. H. Carson. 2,404,471; July 23.
- Floor construction, Monolithic. I. A. Kirchner. 2,410,505; Nov. 5.
- Floor drain. L. N. Boessey. 2,400,070; May 14.
- Floor furnace. J. S. Fagan. 2,410,488; Nov. 5.
- Floor furnace. R. Martin. 2,392,541; Jan. 8.
- Floor or wall safety box. C. Anderson. 2,410,475; Nov. 5.
- Floor structure. W. C. Smith. 2,401,587; June 4.
- Floor structure, Furnace. W. Sampson. 2,405,610; Aug. 13.
- Floor waxing device. E. T. W. Bailey. 2,394,585; Feb. 12.
- Flooring and the like, Sparkproof. W. W. Donelson. 2,413,610; Dec. 31.
- Flooring for aircraft, Suspension type. J. A. Kosek. 2,412,778; Dec. 17.
- Flotation apparatus. Froth. J. B. Brown. 2,401,745; June 11.
- Flotation machine. A. W. Fahrenwald. 2,406,532; Aug. 27.
- Flotation process. F. D. De Vane. 2,410,021; Oct. 29.
- Flotation process. G. Gutzeit. 2,395,866; Mar. 5.
- Flour and the like, Method and apparatus for the treatment of. F. S. Smith. 2,391,929; Jan. 1.
- Flour control valve. O. A. Kehle. 2,408,562; Oct. 1.
- Flour detecting method. B. A. Andalkiewicz. 2,393,225; Jan. 22.
- Flour indicating system, Rectified current. P. W. Emley. 2,393,366; Apr. 16.
- Flour meter. R. G. Snihsbury. 2,392,951; Jan. 15.
- Flour responsive device. B. L. Binford. 2,400,479; May 21.
- Flower and plant container. W. Fowlkes. 2,404,370; July 23.
- Flower sander. A. D. Gifford. 2,413,307; Dec. 31.
- Flowerpot. R. K. Pratt, Sr. 2,408,439; Aug. 27.
- Flowerman. N. Brewer. 2,400,097; May 14.
- Flowermeter. H. A. Hulsberg. 2,413,352; Dec. 31.
- Flowermeter. D. E. Lipfert. 2,403,867; July 9.
- Flowermeter. M. P. Matuszak. 2,405,704; Aug. 13.
- Flowermeter. F. J. Wiegand. 2,406,181; Aug. 20.
- Flue cap. O. L. Olsen. 2,396,876; Mar. 19.
- Flue, Telescoping. M. Resek. 2,404,530; July 23.
- Fluent material in high velocity elastic fluid jets, Method and apparatus for dispersing or drying. N. N. Stephanoff. 2,413,420; Dec. 31.
- Fluffing, Asbestos. L. C. Pharo. 2,402,203; June 18.
- Fluid actuated clutch. A. P. Adney. 2,404,822; July 30.
- Fluid actuated mechanism. J. M. Shimer. 2,402,300; June 18.
- Fluid actuated tool. H. C. Reynolds. 2,401,190; May 28.
- Fluid brake. H. M. Ackerman. 2,413,162; Dec. 24.
- Fluid clutch. C. Pietsch. 2,398,665; Apr. 16.
- Fluid clutch. A. W. Plensler. 2,411,755; Nov. 26.
- Fluid clutch and power transmission. B. G. Carlson. 2,392,120; Jan. 1.
- Fluid compositions containing copolymers of tetrafluoroethylene and ethylene. K. L. Berry. 2,412,960; Dec. 24.
- Fluid conducting swivel joint. D. M. Phillips. 2,396,123; Mar. 5.
- Fluid control valve. L. C. Biggle. 2,412,490; Dec. 10.
- Fluid control valve. W. A. Ray. 2,398,855; Apr. 23.
- Fluid controlling valve. P. K. Saunders. 2,401,112; May 28.
- Fluid controlling valve. F. Sutton. 2,412,105; Dec. 3.
- Fluid-cooled device. B. W. Jones. 2,399,036; Apr. 23.
- Fluid coupling. H. R. Greenlee. 2,392,040; Jan. 1.
- Fluid coupling. S. Jencick. 2,397,862; Apr. 2.
- Fluid coupling. L. S. Samsanhausen. 2,409,593; Oct. 15.
- Fluid coupling. W. C. Trautman. 2,393,489; Jan. 22.
- Fluid-displacing machines operating in parallel, Oscillating. E. S. Beale. 2,408,362; Oct. 1.
- Fluid drive control valve. C. B. Livers. 2,395,633; Feb. 26.
- Fluid fountain for printing presses. G. M. Russell. 2,408,449; Oct. 1.
- Fluid heater. H. L. Barnebey and H. T. Needham. 2,398,279; Apr. 9.
- Fluid heater. J. W. Bouldin. 2,399,318; Apr. 30.
- Fluid heater. F. H. Praeger. 2,396,200; Mar. 5.
- Fluid heater casing. J. F. Harvey. 2,393,770; Jan. 29.
- Fluid, Hydraulic. R. R. McGregor and E. L. Warrick. 2,398,187; Apr. 9.
- Fluid, Hydraulic pressure. D. L. Katz and A. K. Esterer. 2,402,754; June 25.
- Fluid impeller drive. L. A. Kilgore and C. C. Smith. 2,397,183; Mar. 26.
- Fluid inlet-outlet device, particularly for clinical purposes. R. M. Curtis. 2,409,343; Oct. 15.
- Fluid lift motor. C. G. Boone. 2,394,976; Feb. 19.
- Fluid masses, Supersonic treatment of. E. O. Whiteley. 2,407,402; Sept. 10.
- Fluid material and preparing the same, Well drilling. D. H. Larsen. 2,393,174; Jan. 15.
- Fluid mechanism, Elastic. R. Birmann. 2,405,283; Aug. 6.
- Fluid mechanism, Elastic. R. Birmann. 2,407,531; Sept. 10.
- Fluid mechanism, Elastic. R. Birmann. 2,410,259; Oct. 29.
- Fluid medium storing and dispensing system. H. C. Grant, Jr. 2,412,613; Dec. 17.
- Fluid meter. D. K. Allison. 2,402,585; June 25.
- Fluid meter. W. P. Berck. 2,399,316; Apr. 30.
- Fluid meter. W. H. De Lancy. 2,413,034; Dec. 24.
- Fluid motor. E. M. Evans. 2,412,877; Dec. 17.
- Fluid motor. C. Senn. 2,402,848; June 25.
- Fluid meter. A. R. Whitcraft. 2,410,852; Nov. 12.
- Fluid motor stroke shifter. D. G. Fawkes. 2,392,980; Jan. 15.
- Fluid operated clutch. H. H. Vanderzee. 2,412,436; Dec. 10.
- Fluid operated motor. C. A. Mann. 2,411,282; Nov. 19.
- Fluid operated motor. C. R. Sacchini. 2,404,747; July 23.
- Fluid operated motor. T. F. Stacy. 2,396,296; Mar. 12.
- Fluid operated motor. R. F. Taylor. 2,393,204; Jan. 15.
- Fluid press. L. L. Schaffer. 2,409,393; Oct. 15.
- Fluid pressure actuated modulating control means. T. J. Lehane and J. E. La Rocque. 2,401,004; May 28.
- Fluid pressure actuated valve. H. N. Rider. 2,400,372; May 14.
- Fluid pressure control mechanism. R. H. Casler. 2,395,395; Feb. 26.
- Fluid pressure control mechanism. W. A. Eaton. 2,395,401; Feb. 26.
- Fluid pressure control mechanism. E. R. Flitch. 2,412,725; Dec. 17.
- Fluid pressure control mechanism. R. R. Stevens. 2,396,448; Mar. 12.
- Fluid pressure control mechanism. S. Vorech. 2,394,343; Feb. 5.
- Fluid pressure delivery mechanism. C. B. Wilson and A. W. White. 2,395,439; Feb. 26.

- Fluid-pressure engine. L. Harries. 2,399,486; Apr. 30.
 Fluid pressure gauge. W. S. Faust and H. J. Lavo. 2,405,199; Aug. 6.
 Fluid-pressure motor. F. E. Cooper. 2,397,778; Apr. 2.
 Fluid pressure motor. A. L. Grise. 2,405,949; Aug. 20.
 Fluid pressure motor. W. E. O'Shei. 2,397,621; Apr. 2.
 Fluid pressure motor. J. W. Rush and A. J. Bent. 2,413,380; Dec. 31.
 Fluid pressure motors, Control. J. F. McGlone. 2,408,795; Oct. 8.
 Fluid pressure pump. J. B. Meyer. 2,410,354; Oct. 29.
 Fluid pressure regulator. J. A. Paasche. 2,398,503; Apr. 16.
 Fluid pressure, Relieving. F. H. Hopkins. 2,396,574; Mar. 12.
 Fluid pressure system. E. R. Price. 2,402,344; June 18.
 Fluid pump. T. D. Nisbet. 2,405,322; Aug. 6.
 Fluid pump gasketing, High-pressure. W. T. Tabb. 2,406,927; Sept. 3.
 Fluid reactants, Conversion of. L. C. Huffer. 2,407,700; Sept. 17.
 Fluid reactants, Conversion of. F. W. Leff. 2,396,709; Mar. 19.
 Fluid remote-control device. E. C. Myers. 2,394,252; Feb. 5.
 Fluid seal. A. Bertea. 2,395,953; Mar. 5.
 Fluid seal. C. D. Peterson and A. H. Deimel. 2,392,763; Jan. 8.
 Fluid separator. J. Fletcher. 2,395,855; Mar. 5.
 Fluid separator. J. Fletcher. 2,402,154; June 18.
 Fluid-solid contact surface. A. A. Griffith. 2,408,632; Oct. 1.
 Fluid speed indicator. E. O. Morton. 2,404,978; July 30.
 Fluid storage apparatus. J. H. Wiggins. 2,408,539; Oct. 1.
 Fluid streams, Controlling the cooling of convective. L. A. Meckler. 2,409,376; Oct. 15.
 Fluid tank. R. B. Gray and J. C. De Weese. 2,406,679; Aug. 27.
 Fluid temperature controlling device. L. E. Skelly and H. F. Brinen. 2,395,943; Mar. 5.
 Fluid-testing apparatus and method. R. A. Mortensen. 2,396,470; Mar. 12.
 Fluid-tight radio shielded joint. J. R. Harkness. 2,407,076; Sept. 3.
 Fluid transmission. J. Jandasek. 2,393,470; Jan. 22.
 Fluid transmission. R. J. Miller. 2,393,862; Jan. 29.
 Fluid transmission. T. H. Thompson. 2,404,868; July 23.
 Fluid treating apparatus. G. Kuhn. 2,397,873; Apr. 2.
 Fluid treatment and apparatus therefor. H. F. Schmidt. 2,398,048; Apr. 9.
 Fluid valve. G. J. Koehler. 2,407,789; Sept. 17.
 Fluids, Clarifying. S. W. Briggs. 2,401,222; May 28.
 Fluids for use on aerofoil surfaces so as to prevent explosion of the fluid, Supplying inflammable antifreeze. M. L. Taylor. 2,412,846; Dec. 17.
 Fluids, Method of and apparatus for separating. E. R. Zeek. 2,402,196; June 18.
 Fluids, Treating mud-laden drilling. W. T. Cardwell, Jr. 2,404,038; July 16.
 Fluids, Treatment of drilling. R. W. Hoepfel. 2,393,166; Jan. 15.
 Fluids, Treatment of mud-laden drilling. T. B. Wayne. 2,393,273; Jan. 22.
 Fluids, Treatment of well drilling. R. W. Hoepfel. 2,393,165; Jan. 15.
 Fluids with finely divided solid particles, Contacting. R. B. Day and E. R. Kanhofer. 2,395,106; Feb. 19.
 Fluids with finely divided solid particles, Contacting. R. B. Day and E. R. Kanhofer. 2,400,194; May 14.
 Fluids with solids, Contacting. J. McAfee. 2,394,710; Feb. 12.
 Fluoracetamides and their preparation. G. W. Rigby and H. E. Schroeder. 2,406,315; Oct. 15.
 Fluorescent electric lamp. H. J. McCarthy. 2,392,753; Jan. 8.
 Fluorescent glow lamp. W. E. Leyshon. 2,409,769; Oct. 22.
 Fluorescent lamp. J. L. Cox and D. G. Trutner. 2,411,679; Nov. 26.
 Fluorescent lighting luminaire, Dust tight. D. H. Tuck. K. Franck and W. Quack. 2,413,666; Dec. 31.
 Fluorescent tube. W. C. Gref. Re. 22,712; Jan. 22.
 Fluorescent zinc oxide. C. A. Nickle. 2,408,475; Oct. 1.
 Fluorine in amines of low basicity. Absorption and recovery of. E. C. Hughes and J. D. Bartleson. 2,400,875; May 28.
 Fluorination. J. Harmon. 2,404,706; July 23.
 Fluorine-containing enamels. Preparation of. A. J. Devrup. 2,398,494; Apr. 16.
 Fluorine-containing hydrocarbon mixtures, Treatment of. G. A. Bach and C. C. Tate. 2,412,220; Dec. 10.
 Fluorine removal process. F. E. Frey. 2,412,726; Dec. 17.
 Fluorite, Beneficiation of. R. B. Booth and J. E. Carpenter. 2,410,770; Nov. 5.
 Fluoro-chloro-butenes. F. W. Johnson. 2,398,181; Apr. 9.
 Fluoro-chloro hydrocarbons and making them. A. F. Benning and J. D. Park. 2,407,246; Sept. 10.
 Fluoroscopic detection apparatus. H. Sicular. 2,398,195; Apr. 9.
 Fluoroscopic personnel inspection, Method and apparatus for. H. Sicular. 2,398,196; Apr. 9.
 Fluorspar by froth flotation, Concentrating. J. B. Clemmer and B. H. Clemmons. 2,407,651; Sept. 17.
 Flush-riveting procedure. A. Sherman and R. Gottlieb. 2,395,348; Feb. 18.
 Flush tank. J. C. Owens. 2,412,691; Dec. 17.
 Flush tank control. L. B. Green. 2,412,452; Dec. 10.
 Flush valve. I. H. Russell and F. C. Binnall. 2,406,259; Aug. 20.
 Flushing device, Tank. G. W. Martin. 2,412,738; Dec. 17.
 Flushing system, Automatic. W. E. Sloan and J. J. Swartz. 2,395,150; Feb. 19.
 Flux for magnesium alloys, Welding. H. A. Reimers. 2,396,604; Mar. 12.
 Flux valve. M. C. Depp. 2,403,347; July 2.
 Fly cutter. L. A. Smith. 2,406,442; Aug. 27.
 Fly sprayer, Pneumatic. R. M. Grams. 2,397,855; Apr. 2.
 Flying aircraft carrier. D. S. Fahrney. 2,399,216; Apr. 30.
 Flying boat. T. B. Slate. 2,400,173; May 14.
 Flying machine. H. L. Vorse. 2,399,839; May 7.
 Flying time indicator. A. J. Nelson. 2,394,801; Feb. 12.
 Flywheel, Damping. H. L. Burnat. 2,403,478; July 9.
 Flywheel, Hydraulic. F. W. Jeyer. 2,404,515; July 23.
 Foam generation. C. B. White. 2,405,538; Aug. 6.
 Foam, Reducing or preventing. L. T. Monson. 2,408,527; Oct. 1.
 Focusing enlarger and contact printer, Automatic. C. Kessner. 2,397,668; Apr. 2.
 Fog generator. H. A. Roselund. 2,392,883; Jan. 15.
 Fog in photographic material, Preventing contact. E. E. Jelley and P. W. Vittum. 2,403,721; July 9.
 Fog nozzle. T. J. Gothard. 2,408,511; Oct. 1.
 Fog or smoke, Synthetic. A. J. Ritchie. 2,407,384; Sept. 10.
 Foldable box. G. J. Evans. 2,394,850; Feb. 12.
 Foldable box. G. J. Evans. 2,410,486; Nov. 5.
 Foldable garment hanger. H. Greenberg. 2,404,959; July 30.
 Folder, Display. A. B. Dow. 2,411,368; Nov. 19.
 Folder, Ruffle. P. Krauss. 2,396,376; Mar. 12.
 Folding and stacking machine, Combined. J. E. Preston. 2,403,394; July 2.
 Folding barricade stand. F. Stringer. 2,392,011; Jan. 1.
 Folding bed structure. E. A. Awizus. 2,396,550; Mar. 12.
 Folding bicycle frame. F. W. Schwinn. 2,394,494; Feb. 5.
 Folding box. G. J. Evans. 2,405,564; Aug. 13.
 Folding box. D. Levkov. 2,401,944; June 11.
 Folding box. S. Platt. 2,398,155; Apr. 9.
 Folding chair. A. A. Maurer. 2,406,305; Aug. 20.
 Folding chair. R. T. Shoof. 2,403,558; July 9.
 Folding door. R. A. Miller and C. Howard. 2,408,525; Oct. 1.
 Folding machine. C. Christiansen. 2,400,074; May 14.
 Folding machine. C. P. Tong and J. W. May. 2,400,475; May 14.
 Folding machine. L. G. Vachon. 2,394,219; Feb. 5.
 Folding machine. C. E. Wyrick. 2,395,983; Mar. 5.
 Folding machine and control therefor. J. E. Preston. 2,401,103; May 28.
 Folding machine, Box end. A. H. Rines, J. Hardy, and D. J. O'Keefe. 2,410,393; Oct. 29.
 Folding machine, Plan. E. C. McFarlane. 2,407,992; Sept. 24.
 Folding mechanism, Wrapper. W. B. Bronander. 2,400,682; May 21.
 Folding or creasing device. G. A. Lissa. 2,400,698; May 21.
 Folding seat. J. L. Caffrey. 2,413,168; Dec. 24.
 Folding vehicle seat. W. McArthur. 2,397,322; Mar. 26.
 Folding wheel chair. J. G. Rideout. 2,402,085; June 14.
 Folding work stand. R. H. Falkenstein. 2,392,584; Jan. 8.
 Follow-up device, Electrical. J. C. Needham. 2,403,874; July 9.
 Follow-up mechanism. L. E. Wood. 2,407,200; Sept. 3.
 Follow-up mechanism, Storage motion. H. W. Link. 2,403,935; July 16.
 Follow-up system. H. A. Satterlee. 2,399,695; May 7.
 Food antioxidants. M. F. Gribbins, F. W. Miller, Jr., and D. K. O'Leary. 2,397,960; Apr. 9.
 Food, Dehydration of. H. A. Shepard. 2,400,845; May 21.
 Food dispenser cabinet. R. H. Bishop. 2,397,403; Mar. 26.
 Food drier. E. C. Booth. 2,396,455; Mar. 12.
 Food product. W. E. Stokes and M. H. Kennedy. 2,412,305; Dec. 10.
 Food product, Making a. R. McD. Allen and F. E. Timmer. 2,396,234; Mar. 12.
 Food products, Blanching. D. M. McBean. 2,403,871; July 9.
 Food products, Method and apparatus for packaging. S. C. Lehman. 2,392,395; Jan. 8.
 Food products, Preserving. D. Bensel. 2,401,131; May 28.
 Food tendering machine. A. H. Ahndt. 2,409,463; Oct. 15.

- Foods, Dehydrating. F. W. and C. C. MacPherran. 2,401,493; June 4.
- Foodstuffs, Process and product of dehydrating. E. W. Flodström. 2,400,748; May 21.
- Foot actuated switch. V. E. C. Martin. 2,413,148; Dec. 24.
- Foot covering. T. N. Herbert. 2,412,087; Dec. 24.
- Foot-exercising device. C. C. Moshier. 2,397,428; Mar. 26.
- Foot massaging device. O. V. Potter. 2,400,023; May 7.
- Foot measuring apparatus. J. Fitzpatrick. 2,391,889; Jan. 1.
- Foot mechanism for sewing machines, Presser. B. T. Leveque. 2,408,523; Oct. 1.
- Footrest for embalming tables. W. H. Cawood. 2,407,948; Sept. 17.
- Footwear. S. L. Kleven. 2,393,539-40; Jan. 22.
- Footwear. R. Maling. 2,394,707; Feb. 12.
- Footwear. R. Maling. 2,400,243; May 14.
- Footwear. R. Maling. 2,404,587; July 23.
- Footwear. R. Maling. 2,412,623; Dec. 17.
- Footwear. A. E. Murray. 2,404,083; July 16.
- Footwear. C. O. Walper. 2,395,597; Feb. 26.
- Footwear, Making. R. Maling. 2,404,586; July 23.
- Footwear, Making rubber. E. Gottschalk. 2,412,042; Dec. 3.
- Footwear, Manufacture of. J. S. Kamborain. 2,394,997; Feb. 19.
- Footwear, Manufacture of. T. T. Taylor. 2,403,313; July 2.
- Footwear pressing apparatus. H. L. Davis. 2,392,315; Jan. 8.
- Footwear sole. U. Urbany. 2,393,577; Jan. 22.
- Forced draft floor heater. W. M. Shaw. 2,408,691; Oct. 1.
- Forceps. C. W. Walter. 2,397,823; Apr. 2.
- Foreign particles from the eye, Mechanism for removing. C. Andrzejewski. 2,410,257; Oct. 2.
- Forging press. H. N. Anderson. 2,404,351; July 23.
- Fork, Grapple. A. M. Stevens. 2,412,845; Dec. 17.
- Fork, Manure. R. W. Hayward. 2,398,585; Apr. 16.
- Fork, Rail torpedo. E. A. Parker. 2,412,746; Dec. 17.
- Fork, Spading. B. F. Talley. 2,406,175; Aug. 20.
- Form aligner. W. Hyre. Re. 2,27,99; Oct. 5.
- Form, Building. E. M. Scharenberg. 2,394,492; Feb. 5.
- Form, Business. C. R. Yancey. 2,396,221; Mar. 5.
- Form, Coil winding. J. Gartner. 2,399,631; May 7.
- Form, Concrete. W. J. McDonald. 2,401,263; May 28.
- Form for the construction of concrete walls, beams, and the like. A. H. Hawes. 2,396,174; Mar. 5.
- Form for tying neckties. F. K. Stehle. 2,412,480; Dec. 10.
- Form for use in building self-sealing containers for gasoline, etc. R. D. Heyman. 2,413,401; Dec. 31.
- Form, Hull. J. B. Weaver and W. S. Burgess. 2,401,126; May 28.
- Form sheet, Perforated multiple part. H. P. Curmode and N. N. Gardiner. 2,392,976; Jan. 15.
- Form to provide air passages in concrete walls. J. L. Painter, Jr. 2,407,441; Sept. 10.
- Form tool. W. F. Ross. 2,396,289; Mar. 12.
- Formaldehyde and aromatic petroleum fraction, Resinous condensation product of. D. E. Badertscher and R. B. Bishop. 2,397,398; Mar. 26.
- Formaldehyde and sodium cyanamide, Reaction products of. J. F. Walker. 2,411,396; Nov. 19.
- Formaldehyde-cellulose products and making the same. J. B. Rust and W. H. Van Delden. 2,397,437; Mar. 26.
- Formaldehyde, Manufacture of. T. K. Sherwood. 2,412,014; Dec. 3.
- Formations, Compacting or sealing. D. H. Larsen. 2,393,173; Jan. 15.
- Formations in wells, Testing. E. V. Crowell. 2,397,473; Apr. 2.
- Former for armature coils. T. Mullarkey. 2,393,397; Jan. 22.
- Former for sheet metal parts. C. M. Johnson. 2,397,608; Apr. 2.
- Former, Sole and heel. W. H. Doherty. 2,406,005; Aug. 20.
- Forming and sealing machine, Bottle cap. W. B. Nelson, J. Johnsen, H. F. Dyruff, and S. R. Bell. 2,401,499; June 4.
- Forming apparatus. J. D. Stirling. 2,394,819; Feb. 12.
- Forming device, Change. E. J. Partington. 2,400,369; May 14.
- Forming device, Cutter. H. C. Vizens. 2,413,532; Dec. 31.
- Forming device, Internal. K. J. Hall. 2,411,426; Nov. 19.
- Forming machine. L. G. Berquist. 2,405,128; Aug. 6.
- Forming machine. G. O. Conner. 2,406,808; Sept. 3.
- Forming machine. G. O. Conner. 2,407,253; Sept. 10.
- Forming machine. G. O. Conner. 2,407,254; Sept. 10.
- Forming machine and feeding device therefor. G. O. Conner. 2,394,534; Feb. 12.
- Forming machine, Doughnut. P. S. Premas. 2,405,903; Aug. 13.
- Forming machine, Metal. A. E. Nelson. 2,407,573; Sept. 10.
- Forming machine, Metal. G. D. Rechten and J. H. Watson. 2,413,518; Dec. 31.
- Forming machine, Pipe. H. L. Moor. 2,406,025; Aug. 20.
- Forming machine, Stretch. F. C. Hoffman. 2,412,731; Dec. 17.
- Formylacetic ester. E. H. Northey. 2,394,255; Feb. 5.
- Foundry core binder. H. A. Pace. 2,394,522; Feb. 5.
- Foundry sand lifting and flask-filling apparatus. H. H. Rawson. 2,412,425; Dec. 10.
- Fountain, Drinking. U. T. Thompson. 2,392,512; Jan. 8.
- Fountain, Ink. G. A. MacDonald. 2,410,296; Oct. 22.
- Fountain, Ink. A. W. Metzner and A. A. Gopperton. 2,399,688; May 7.
- Fountain pen cap construction. L. W. Ormsby. 2,392,942; Jan. 15.
- Fountain pump. T. L. Titus. 2,408,009; Sept. 24.
- 4-aminobenzene-sulfonic-carbamic acid derivative. H. Martin, R. Hirt and A. Staub. 2,411,661; Nov. 4.
- 4-basically substituted 2-sulphanilimidopyrimidines, Preparation of. J. P. English. 2,403,713; July 9.
- Four-component objective. F. E. Altman. 2,405,729; Aug. 13.
- 4,4'-bis (pyrazolone) couplers for color photography. A. Bavelly. 2,411,951; Dec. 3.
- 4-substituted thiazoles, Preparing. W. P. Utermohlen, Jr. 2,404,416; July 23.
- Fracture, Table or similar structure. A. Comper. 2,396,640; Mar. 19.
- Frame: See—
- Bonded reinforcing frame. Pool ball rack or frame.
 - Contact printing frame. Quilting frame.
 - Corset drying frame. Safety razor frame.
 - Engine frame. Sewing machine frame.
 - Filter frame. Tandem bicycle frame.
 - Folding bicycle frame. Textile drawing frame.
 - Heddle frame. Twist frame.
 - Open-faced air filter frame. Uniform cap frame.
 - Picture frame. Ventilated spectacle frame.
 - Frame and support, Tiller. M. S. Ariens. 2,402,009; June 11.
- Frame for articles of footwear, Supporting. W. H. Doherty. 2,408,413; Oct. 1.
- Frame for crawler tracks. S. F. Armington. 2,411,408; Nov. 19.
- Frame for dividing apparatus, Cutting. R. W. Lipp. 2,396,584; Mar. 12.
- Frame for filters. O. H. Schaaf. 2,393,419; Jan. 22.
- Frame for looms, Dent. F. M. Suchke. 2,398,565; Apr. 16.
- Frame for railway car trucks and the like, Side. W. M. Keller. 2,393,046; Jan. 15.
- Frame for railway car trucks, Side. H. W. Stertzbach. 2,406,862; Sept. 3.
- Frame member. B. E. Balduf. 2,410,922; Nov. 12.
- Frame or mount. H. M. Newman. 2,395,191; Feb. 19.
- Frame or the like, Picture. S. Madsen. 2,407,431; Sept. 10.
- Frame structure. F. E. Lang. 2,409,368; Oct. 15.
- Frame structure. A. V. Pedersen. 2,409,383; Oct. 15.
- Frame structure, Side. R. E. Cottrell. 2,394,232; Feb. 5.
- Framed display, Collapsible. E. M. Roach. 2,408,532; Oct. 1.
- Frameless window screen. D. J. Rust. 2,405,855; Aug. 13.
- Frames, Gauging vehicle. R. D. Smith. 2,401,980; June 11.
- Framing elements. F. Kautz. 2,412,618; Dec. 17.
- Frangible explosive containers and the product so produced, Forming. H. W. Arnold. 2,411,862; Dec. 3.
- Free piston internal-combustion engine. E. S. L. Beale. 2,408,031; Sept. 24.
- Free-wheeling clutch. H. C. Grant, Jr. 2,410,818; Nov. 12.
- Free-wheeling device. F. W. Schwinn. 2,394,112; Feb. 5.
- Freezing and carbonating device. J. C. Carothers. 2,411,081; Nov. 12.
- Freezing apparatus. H. W. Clum. 2,407,058; Sept. 3.
- Frequency changing apparatus and method. E. L. Kent. 2,395,744; Feb. 26.
- Frequency control. H. Suter. 2,413,263; Dec. 24.
- Frequency control, Automatic. W. R. Koch. 2,404,852; July 30.
- Frequency-control device, Electronic. E. H. Lange. 2,406,082; Aug. 20.
- Frequency control in ultra high frequency circuits. C. N. Smyth. 2,397,701; Apr. 2.
- Frequency conversion and comparison of frequencies, System for. A. Kahr. 2,401,647; June 4.
- Frequency converter. J. W. Clark. 2,408,410; Oct. 1.
- Frequency counter circuit. P. F. G. Holst and L. R. Kirkwood. 2,411,573; Nov. 26.
- Frequency determining device. R. C. Sanders, Jr. 2,403,557; July 9.
- Frequency determining system. S. A. Bokorov and H. Stuntz. 2,405,181; Aug. 6.
- Frequency determining unit. S. A. Bokorov. 2,399,908; May 7.
- Frequency difference measurement. T. M. Berry. 2,392,632; Jan. 8.
- Frequency meter. L. Hammond and J. M. Hanert. 2,408,930; Oct. 8.

- Frequency modulated wave receiver circuits. O. B. Hanson and R. E. Shelby. 2,395,738; Feb. 26.
- Frequency modulated waves, Detecting. M. Ziegler. 2,398,360; Mar. 12.
- Frequency modulated waves, Reception of. M. Ziegler. 2,378,863; Sept. 17.
- Frequency modulation. W. G. Shepherd. 2,407,293; Sept. 10.
- Frequency modulation. G. L. Usselman. 2,399,268; Apr. 30.
- Frequency modulation receiver tuning indicator. M. G. Crosby. 2,395,725; Feb. 26.
- Frequency modulation receiving apparatus. G. W. Fyler. 2,412,039; Dec. 3.
- Frequency modulation signaling system, Nonlinear. W. A. Fitch. 2,410,489; Nov. 5.
- Frequency multiplier. T. T. Eaton. 2,402,385; June 18.
- Frequency multiplier. E. L. Ginzton. 2,408,420; Oct. 1.
- Frequency multiplier. E. H. Olson. 2,411,166; Nov. 19.
- Frequency multiplier. J. A. Rajchman. 2,405,519; Aug. 6.
- Frequency multiplying apparatus. W. O. Bennett, Jr. 2,402,012; June 11.
- Frequency response compensating means. M. Brown. 2,411,190; Nov. 19.
- Frequency responsive circuit. R. C. Sanders, Jr. 2,403,615; July 9.
- Frequency stabilization. M. Ziegler and M. J. Kobylsky. 2,406,309; Aug. 20.
- Frequency-variable oscillator circuit. W. van B. Roberts. 2,408,684; Oct. 1.
- Frequency variation response circuit. B. Noviks and C. A. Vaio. 2,393,400; Jan. 22.
- Friction-actuated erecting mechanism. T. O. Summers, Jr. 2,412,481; Dec. 10.
- Friction and take-up device for screw stems in threaded bearings, Adjustable. L. C. Sanders. 2,392,701; Jan. 8.
- Friction assembly, Bonded. C. S. Batchelor. 2,406,653; Aug. 27.
- Friction brake. T. J. Schuetz and E. W. Turnquist. 2,408,179; Sept. 24.
- Friction clutch. T. H. and W. H. Briggs. 2,392,572; Jan. 8.
- Friction clutch. A. Croft. 2,407,060; Sept. 3.
- Friction clutch. G. T. Jarret. 2,405,357; Aug. 6.
- Friction clutch. W. Mulford. 2,393,926; Jan. 29.
- Friction clutch. H. Nutt. 2,406,244; Aug. 20.
- Friction clutch. C. B. Spase. 2,407,728; Sept. 17.
- Friction composition product. F. J. Lowey and C. H. Fowler. 2,408,430; Oct. 1.
- Friction control device, Electromagnetic. A. Winther. 2,395,772; Feb. 26.
- Friction element. W. A. Blume and E. W. Conarton. 2,410,924; Nov. 12.
- Friction element. E. C. Keller and R. E. Spokes. 2,394,783; Feb. 12.
- Friction element, Molded. D. H. Miller, P. H. Knowles, and W. A. Hughes. 2,403,674; July 9.
- Friction shock absorber. G. A. Johnson and S. B. Haseltine. 2,410,165; Oct. 29.
- Friction shock absorbing mechanism. G. E. Dath. 2,393,297; Jan. 22.
- Friction shock absorbing mechanism. G. E. Dath. 2,410,152; Oct. 29.
- Friction-tipped belt block. P. B. Reeves. 2,406,253; Aug. 20.
- Frictional holding means. J. A. Obermaier. 2,413,414; Dec. 31.
- Frictional mechanism. W. H. Hunter. 2,406,543; Aug. 27.
- Frictional mechanism. R. J. Keller. 2,394,311; Feb. 5.
- Froth flotation with simultaneous filtration and collection of froth. A. R. Morse. 2,411,288; Nov. 19.
- Fruit and vegetables, Method and apparatus for feeding. B. C. Coons. 2,398,922; Apr. 23.
- Fruit, Coating. A. F. Kalmar. 2,412,686; Dec. 17.
- Fruit for marmalades, Preparing fruit. O. J. Steinwand. 2,407,801; Sept. 17.
- Fruit halving and pitting. F. C. Silva. 2,404,990; July 30.
- Fruit holder. N. E. Gaddini. 2,403,517; July 9.
- Fruit jar holder. R. M. Faubion. 2,401,470; June 4.
- Fruit juice extractor. E. Barany. 2,410,562; Nov. 5.
- Fruit packaging, Dried. B. E. Richmond and P. C. Wilbur. 2,411,896; Dec. 3.
- Fruit picker. L. Barber. 2,406,055; Aug. 20.
- Fruit picker. G. A. Morrell. 2,403,294; July 2.
- Fruit picker, Vehicle mounted. P. P. Horn. 2,410,030; Oct. 29.
- Fruit, Pitting. G. W. Ashlock, Jr. 2,407,126; Sept. 3.
- Fruit treating machine. R. L. Ewald and H. A. Skog. 2,398,780; Apr. 23.
- Fruit treatment. A. M. Erickson and J. D. Ryan. 2,408,418; Oct. 1.
- Fruits having pits, Treating. R. Polk, Sr., and R. Polk, Jr. 2,402,181; June 18.
- Fuel. J. M. Campbell. 2,405,560; Aug. 13.
- Fuel air ratio meter. W. A. Reichel. 2,393,708; Jan. 29.
- Fuel and process for thermally working minerals therewith, Flux-forming. C. J. Burch. 2,402,947; July 2.
- Fuel and producing same, Liquid. A. B. Hersberger and K. M. Thompson. 2,397,850; Apr. 2.
- Fuel and thermally working minerals therewith, Flux-forming. R. B. Aitchison. 2,392,353; Jan. 8.
- Fuel and using same. Motor. E. R. Johnson. 2,406,544; Aug. 27.
- Fuel, Aviation. T. B. McCulloch. 2,411,582; Nov. 26.
- Fuel burner. C. E. Jordan. 2,395,276; Feb. 19.
- Fuel burner. L. L. Leach. 2,397,793; Apr. 2.
- Fuel burner. J. A. Mason. 2,396,867; Mar. 19.
- Fuel burner system, Liquid. E. J. Senninger. 2,397,986; Apr. 9.
- Fuel burners of the pressure type, Preheater for liquid. H. C. Hebard. 2,402,139; June 18.
- Fuel burning apparatus, Liquid. M. A. Powers and N. H. Sutterfield. 2,405,234; Aug. 6.
- Fuel combustion, Controlling. F. W. McManus. 2,401,836; June 11.
- Fuel composition. W. A. Schulze and R. C. Alden. 2,409,156-7; Oct. 8.
- Fuel container. A. J. Klose. 2,397,184; Mar. 26.
- Fuel container. D. J. Sullivan. 2,405,986; Aug. 20.
- Fuel control, Automatic. D. S. Hersey. 2,400,415; May 14.
- Fuel control means. D. S. Hersey. 2,400,414; May 14.
- Fuel control valve. G. M. Holley, Jr. 2,405,888; Aug. 13.
- Fuel, Diesel. E. M. Nygaard, J. H. McCracken, and N. H. Hamilton. 2,392,611; Jan. 8.
- Fuel, Diesel type. B. T. Anderson and M. T. Flaxman. 2,411,482; Dec. 31.
- Fuel feed systems, Control. J. E. Bates. 2,405,126; Aug. 6.
- Fuel feeder. W. M. Fulton. 2,395,732; Feb. 26.
- Fuel feeding apparatus. A. O. Anderson. 2,412,193; Dec. 10.
- Fuel fired vacuum furnace. J. J. Turin and A. W. Peters. 2,404,328; July 16.
- Fuel, High-compression motor. R. I. Stirton. 2,413,262; Dec. 24.
- Fuel, Igniting liquid. H. A. Beckstrom. 2,407,973; Sept. 24.
- Fuel in internal-combustion engines, Saving. A. and J. Weiss. 2,392,207; Jan. 1.
- Fuel in internal-combustion engines, Saving. A. and J. Weiss. 2,393,579; Jan. 22.
- Fuel injection apparatus. L. O. French. 2,397,136; Mar. 26.
- Fuel injection engine. A. F. Sanders. 2,393,872; Jan. 29.
- Fuel injection in internal-combustion engines. G. S. Kammer. 2,398,834; Apr. 23.
- Fuel injection mechanism. L. E. Johnson. 2,410,946; Nov. 12.
- Fuel injection pump. G. E. Davidson. 2,394,668; Feb. 12.
- Fuel injection pump. G. P. Lum. 2,393,544; Jan. 22.
- Fuel injection pump. W. G. Meyers. 2,398,798; Apr. 23.
- Fuel injection pump. W. E. Sheehan. 2,413,115; Dec. 24.
- Fuel injection pump mechanism. L. E. Johnson. 2,410,947; Nov. 12.
- Fuel injection, Supercharger. K. A. Browne. 2,396,362; Mar. 12.
- Fuel injection system. J. F. Campbell. 2,412,316; Dec. 10.
- Fuel injector. L. O. French. 2,392,374; Jan. 8.
- Fuel introduction to engine cylinders, Control of. H. Schreck. 2,412,361; Dec. 10.
- Fuel, Manufacture of. E. R. Boedeker and A. G. Oblad. 2,397,085; Mar. 26.
- Fuel, Manufacture of motor. J. P. Jones. 2,396,853; Mar. 19.
- Fuel, Manufacture of motor. R. T. Sanderson. 2,404,661; July 23.
- Fuel metering and distributing means. E. T. Vincent. 2,399,587; Apr. 30.
- Fuel metering means. C. F. Schorn. 2,397,984; Apr. 9.
- Fuel mixture control system, Automatic. C. A. Teichert. 2,395,648; Feb. 26.
- Fuel oil heater. A. F. Morgenerin. 2,394,868; Feb. 12.
- Fuel oil, Improving the cetane value of a hydrocarbon. H. G. Berger and D. E. Badertscher. 2,392,570; Jan. 8.
- Fuel or an aviation or motor fuel constituent, Production of an aviation or motor. S. F. Birch, F. A. Fidler and L. S. Thornes. 2,407,214; Sept. 10.
- Fuel preparing apparatus, Liquid. H. B. Holthouse, Jr. 2,411,040; Nov. 12.
- Fuel, Production of a blending. S. H. McAllister and N. E. Peery. 2,394,797; Feb. 12.
- Fuel, Production of aviation. C. L. Thomas. 2,399,261; Apr. 30.
- Fuel, Production of high antiknock. G. B. Zimmerman. 2,404,340; July 16.
- Fuel, Production of motor. F. E. Frey. 2,394,906; Feb. 12.
- Fuel, Production of motor. E. C. Herthel. 2,402,328; June 18.
- Fuel, Production of motor. C. L. Thomas. 2,410,316; Oct. 29.
- Fuel proportioning device. D. S. Hersey. 2,400,413; May 14.
- Fuel pump. N. Podor. 2,395,964; Mar. 5.
- Fuel pump. A. C. Korte. 2,394,860; Feb. 12.
- Fuel pump. S. M. Udale. 2,409,965; Oct. 22.

- Fuel receiving and conveying apparatus. E. Martin. 2,412,408; Dec. 10.
- Fuel saving device for oil heaters. J. Carlisle. 2,411,504; Nov. 26.
- Fuel storage system, Underground. R. B. Gray. 2,398,828; Apr. 23.
- Fuel supply system. R. R. Curtis and F. W. Heckert. 2,394,431; Feb. 5.
- Fuel supply system. L. Lee, II. 2,402,332; July 18.
- Fuel supply tank. M. L. Branson. 2,395,802; Mar. 5.
- Fuel system. J. B. Black. 2,409,245; Oct. 15.
- Fuel system. R. R. Curtis. 2,409,931; Oct. 22.
- Fuel system, Multiple tank. D. Samiran. 2,406,854; Sept. 3.
- Fuel tank. R. A. Crawford. 2,392,902; Jan. 15.
- Fuel tank. E. E. Hanson and C. R. Park. 2,404,766; July 23.
- Fuel tank. M. R. Wells. 2,407,622; Sept. 10.
- Fuel tank in aircraft wings, Structure for supporting. R. Montgomery and G. W. Schane. 2,407,614; Sept. 10.
- Fuel tank lining, Aircraft. F. T. Weiss and W. A. Sullivan. 2,408,200; July 2.
- Fuel tank mounting. F. Prior. 2,410,182; Oct. 29.
- Fuel transfer system. R. J. Woods. 2,394,506; Feb. 5.
- Fuels and making same, Motor. L. A. Clarke. 2,406,667; Aug. 27.
- Fuels, Blending. I. Bergsteinsson. 2,394,743; Feb. 12.
- Fuels, Diesel. G. H. B. Davis. 2,403,267; July 2.
- Fuels, Diesel. T. T. Noland and E. M. Nygaard. 2,392,610; Jan. 8.
- Fuels employed in Diesel engines and furnace oil burners, Treatment of. J. M. Campbell. 2,409,915; May 28.
- Fuels for aircraft engines. G. H. B. Davis, W. J. Sweeney, and W. A. Herbst. 2,403,268; July 2.
- Fuels, Improving aviation. K. C. Laughlin. 2,409,695; Oct. 22.
- Fuels, Manufacture of motor. A. R. Goldsby. 2,391,962; Jan. 1.
- Fuels, Motor. P. L. De Verter. 2,409,171; Oct. 8.
- Fuels, Motor. T. W. Evans and A. G. Cattaneo. 2,409,746; Oct. 22.
- Fuels, Motor. A. E. Robertson. 2,404,094; July 16.
- Fuels, Motor. A. E. Robertson. 2,408,999; Oct. 8.
- Fuels, Motor. A. L. Stanly and A. G. Cattaneo. 2,401,983; June 11.
- Fuels, Motor. P. L. Veltman. 2,409,167; Oct. 8.
- Fuels, Preparation of high grade antiknock motor. A. Hagemann. 2,403,524; July 9.
- Fuels, Production of high octane number. A. P. Hewlett. 2,403,279; July 2.
- Fuels, Treating Diesel. P. Miller and E. Lieber. 2,402,427; June 18.
- Full cycle hydraulic valve. W. T. Stephens. 2,411,837; Nov. 26.
- Full display flag holder. A. O. Zedler. 2,409,411; Oct. 15.
- Fuiling. E. J. Wilson. 2,398,342; Apr. 9.
- Fumarodinitrile, Production of. C. A. Hochwalt. 2,399,349; Apr. 30.
- Fumigant. F. L. Campbell and W. C. Fernelius. 2,413,405; Dec. 31.
- Fumigant and fumigating. W. C. Fernelius and F. L. Campbell. 2,413,408; Dec. 31.
- Fumigant mixtures. F. W. Fletcher and E. Kenaga. 2,391,890; Jan. 1.
- Fumigation method. P. R. Wenck and W. A. Henson. 2,407,333; Sept. 10.
- Fumigator. C. Williams. 2,400,674; May 21.
- Fungicide. M. N. Huffman. 2,396,264; Mar. 12.
- Funnel. L. J. Madden. 2,411,049; Nov. 12.
- Funnel guide mounting. H. O. Davidson. 2,411,036; Nov. 12.
- Funnel guide mounting. H. D. Haley and H. D. Schaffer. 2,411,035; Nov. 12.
- Fur, Treating. A. Pierini. 2,410,898; Nov. 12.
- Furfural in extractive distillation, parts, Reducing corrosion and polymerization. V. Mertz. 2,409,781; Oct. 22.
- Furfural recovery. B. J. Mayland. 2,412,823; Dec. 17.
- Furnace: See—
 Air heating furnace.
 Automatically fed furnace.
 Blast furnace.
 Continuous furnace.
 Cupola furnace.
 Electric arc furnace.
 Electric furnace.
 Electric glass melting furnace.
 Floor furnace.
 Fuel fired vacuum furnace.
 Glass furnace.
 Glassmaking furnace.
 Gravity furnace.
 High temperature furnace.
 Hot-air furnace.
 Ignition furnace.
 Warm air furnace.
- Furnace. F. T. Agricola. 2,400,900; May 28.
- Furnace. J. V. Boland and B. Burton. 2,394,975; Feb. 19.
- Furnace. B. Johansson. 2,399,871; May 7.
- Furnace. B. Johansson and H. C. Foster. 2,393,106; Jan. 15.
- Furnace. D. F. Jones, J. W. Miller, and B. D. Figg. 2,400,150; May 14.
- Furnace. J. A. Ulberg. 2,395,594; Feb. 26.
- Furnace. E. Wainer. 2,399,609; Apr. 30.
- Furnace and firing apparatus, Industrial. J. M. Guthrie. 2,409,272; Oct. 15.
- Furnace assembly. R. Martin. 2,407,375; Sept. 10.
- Furnace checkers and flues, Method and apparatus for cleaning. W. J. Montgomery. 2,409,442; Oct. 15.
- Furnace construction. C. W. Nichols. 2,412,057; Dec. 3.
- Furnace construction, Blast. A. J. Whitcomb. 2,411,487; Nov. 19.
- Furnace device. T. H. Breen. 2,403,044; July 2.
- Furnace for sintering machines, Ignition. M. F. Morgat. 2,402,359; June 18.
- Furnace heat indicator. H. A. Strickland, Jr. 2,404,147; July 16.
- Furnace load control, Induction. H. A. Strickland, Jr. 2,402,852; June 25.
- Furnace machine, Electric. H. A. Strickland, Jr. 2,408,350; Sept. 24.
- Furnace operation, Open hearth. R. S. A. Dougherty and J. E. Eberhardt. 2,396,461; Mar. 12.
- Furnace repair unit, Open-hearth. J. J. Cain, Jr. 2,408,016; Sept. 24.
- Furnace, roof construction. W. H. Payne. 2,401,370; June 4.
- Furnace structure. M. W. Barnes. 2,395,091; Feb. 19.
- Furnace tilting device. W. E. Moore. 2,402,505; June 18.
- Furnace tüvre, Blast. J. H. Sprow. 2,405,461; Aug. 6.
- Furnace wall. L. H. Hosbein. 2,413,183; Dec. 24.
- Furnace with horizontal burner, Floor. J. L. Breesse. 2,401,380; June 4.
- Furnaces, Means and method of controlling glass. F. B. Hess and L. F. Robertson. 2,401,640; June 4.
- Furnaces, Method and apparatus for controlling reduction. J. R. Green and J. P. Vollrath. 2,395,385; Feb. 19.
- Furnaces, Operating blast. S. A. Sanford. 2,404,461; July 23.
- Furnaces, Operating reduction-melting. J. E. Carter and R. K. Gensler. 2,413,215; Dec. 24.
- Furniture. E. J. Kump, Jr. 2,404,182; July 16.
- Furniture construction. M. Weingarten. 2,393,349; Jan. 22.
- Furniture handle. E. W. North and R. A. Stone. 2,407,763; Sept. 17.
- Furniture, Manufactured article of. C. L. Stevens. 2,407,940; Sept. 17.
- Furnish, Metal. E. C. Booth. 2,408,907; Oct. 8.
- Furniture, Metallic. C. L. Dewey. 2,393,757; Jan. 29.
- Furoic acid and furoic acid salts, Manufacturing. A. P. Dunlop. 2,407,066; Sept. 3.
- Fuse. G. Butler, Jr., and J. W. Moseman, Jr. 2,396,245; Mar. 12.
- Fuse. W. F. Errig and E. S. De Hart. 2,405,023; July 30.
- Fuse. M. W. Fischer. 2,397,781; Apr. 2.
- Fuse. H. C. Hebard. 2,400,002; May 7.
- Fuse. Y. Leech, Jr., and H. H. Mohaupt. 2,405,840; Aug. 13.
- Fuse. W. T. Moore, J. H. Church, and W. E. Thibodeau. 2,400,128; May 14.
- Fuse. W. O. Schultz. 2,410,244; Oct. 29.
- Fuse. A. F. Teitscheid. 2,392,430; Jan. 8.
- Fuse. J. H. Woodberry, C. G. Storm, J. S. Barker, F. H. Miles, Jr., H. M. Brayton, and C. E. Seavey. 2,402,702; June 25.
- Fuse and setting apparatus, Electric. N. B. Wales, Jr. 2,404,553; July 23.
- Fuse, Bomb. J. C. Byrnes, E. C. Moriarty, and J. C. Darnall. 2,400,100; May 14.
- Fuse, Bomb. R. L. Graumann. 2,409,205; Oct. 15.
- Fuse, Bomb. E. C. Moriarty. 2,407,844; Sept. 17.
- Fuse clip. G. E. Fitzgerald. 2,402,491; June 18.
- Fuse construction. F. Kiang. 2,404,135; July 16.
- Fuse construction, Molded plastic. G. W. Ward. 2,395,206; Feb. 19.
- Fuse, Current-limiting. C. G. Suits. 2,408,351; Sept. 24.
- Fuse device. W. O. Schultz and A. G. Steinmayer. Re. 2,385; Oct. 15.
- Fuse device. W. O. Schultz and A. G. Steinmayer. 2,398,469; Apr. 16.
- Fuse, Electric. M. F. Peters and J. J. Phillips. 2,411,460; Nov. 19.
- Fuse, Electrically energized. N. B. Wales, Jr. 2,403,567; July 9.
- Fuse, Expulsion. A. G. Steinmayer. 2,409,077; Oct. 8.
- Fuse for automatic destruction of shells. G. Honger. 2,405,653; Aug. 13.
- Fuse for projectiles. J. B. Semple. 2,392,884; Jan. 15.
- Fuse, High voltage. O. R. Schurg. 2,392,703; Jan. 8.
- Fuse link. E. F. Boothe. 2,394,590; Feb. 12.
- Fuse links, Assembling. C. W. Brown. 2,412,712; Dec. 17.
- Fuse, Mechanical time. F. T. Christian. 2,396,987; Mar. 19.
- Fuse, Mechanical time. M. P. Whitney. 2,397,066; Mar. 19.
- Fuse of the controlled operation type, Electrical breaking. A. Haeckelinger. 2,400,408; May 14.
- Fuse, Percussion. O. Rasmussen. 2,398,718; Apr. 16.

- Fuse, Projectile. J. H. Church and W. E. Thibodeau. 2,399,663; May 7.
- Fuse, Time. J. C. Whitesell, Jr. 2,398,266; Apr. 9.
- Fused articles, Production of. S. H. Stupakoff. 2,412,925; Dec. 17.
- Fused electrical plug. M. Medlin. 2,406,154; Aug. 20.
- Fusee, Railroad. J. Vinton and D. MacMillan. 2,412,018; Dec. 3.
- Fuselages and wing construction, Aircraft. A. G. Dean. 2,407,480; Sept. 10.
- Fuselages, Constructing tubular. L. C. Miller and G. E. Scarlett. 2,409,782; Oct. 22.
- Fusions containing magnesium chloride. Preparation of. L. Woodhouse, Jr. 2,408,261; Dec. 17.
- Gain control, Automatic. L. E. Norton. 2,406,483; Aug. 27.
- Gain-control system for seismic amplifiers. E. J. Shimek and W. B. Hemphill. 2,408,001; Sept. 24.
- Galvanizing. A. J. Mauger and A. H. Ward. 2,405,592; Aug. 13.
- Galvanometer. C. M. Hathaway. 2,410,379; Oct. 29.
- Gambrel, Foldable. J. W. Harding. 2,411,856; Dec. 3.
- Game. G. S. Cox and E. J. Sandel. 2,409,547; Oct. 15.
- Game. W. A. Dubay. 2,413,550; Dec. 31.
- Game. G. A. Mills. 2,409,144; Oct. 8.
- Game. P. T. O'Brien. 2,413,369; Dec. 31.
- Game. E. F. Rebholz. 2,408,270; Sept. 24.
- Game. P. P. Yeoff. 2,393,726; Jan. 29.
- Game and toy. C. L. Osborn. 2,394,802; Feb. 12.
- Game apparatus. W. Z. Plebanek. 2,395,174; Feb. 19.
- Game apparatus. C. Metz. 2,392,174; Jan. 1.
- Game apparatus. L. W. Pagel. 2,400,019; May 7.
- Game apparatus. E. B. Sanchez. 2,408,687; Oct. 1.
- Game apparatus. J. M. Schutte. 2,401,195; May 28.
- Game. Baseball. J. C. Schutte. 2,412,714; Dec. 17.
- Game board. J. A. Clark. 2,404,693; July 23.
- Game board. E. L. Jones. 2,409,493; Oct. 15.
- Game board. G. G. Mevi. 2,410,988; Nov. 12.
- Gameboard device. O. Mautner and M. K. Lebworth. 2,409,373; Oct. 15.
- Game board for the blind. J. O. Kleber. 2,399,041; Apr. 23.
- Game, Bowling. W. W. Kottas. 2,404,296; July 16.
- Game, Card. W. W. Peterman. 2,409,584; Oct. 15.
- Game carrier. C. H. McMillan. 2,407,172; Sept. 3.
- Game device. L. H. Amdur. 2,406,731; Aug. 27.
- Game device. F. Baumgartner. 2,410,800; Nov. 12.
- Game device. C. Rodekurt. 2,396,475; Mar. 12.
- Game, Electric target. L. Z. Plebanek. 2,404,653; July 23.
- Game, Military chess. B. Hoffman. 2,400,644; May 21.
- Game of travel. J. E. Wood. 2,399,902; May 7.
- Game, Race horse. L. Z. Plebanek. 2,395,281; May 14.
- Game, Teeter motor. W. M. Gates. 2,398,180; Apr. 9.
- Gang clamp. R. R. Harrison. 2,394,240; Feb. 5.
- Gantry. V. W. Kirtan. 2,410,979; Nov. 12.
- Gap closing device. E. St. Pierre. 2,394,339; Feb. 5.
- Garage door opener and lock mechanism, Automatic. J. F. Schulze. 2,396,610; Mar. 12.
- Garbage can holder. S. Wargo. 2,409,326; Oct. 15.
- Garbage receptacle. F. McDonald. 2,394,319; Feb. 5.
- Garbonza and like crops, Combine for. R. L. Anderson. 2,402,007; June 11.
- Gardening device. C. H. Mann. 2,394,192; Feb. 5.
- Garment. J. Daniels. 2,399,428; Apr. 30.
- Garment. C. d'Aprile. 2,411,129; Nov. 12.
- Garment. J. X. Gagnon. 2,402,323; June 18.
- Garment. B. P. Garrison. 2,412,502; Dec. 10.
- Garment. M. M. Handt. 2,407,550; Sept. 10.
- Garment. H. S. Heilbronner. 2,401,212; Oct. 29.
- Garment. J. J. Kispert. 2,407,885; Sept. 17.
- Garment. M. I. Lehman. 2,412,522; Dec. 10.
- Garment. S. Marcus. 2,399,238; Apr. 30.
- Garment. E. T. Nunn. 2,406,893; Sept. 3.
- Garment. H. B. Northrup. 2,393,258-9; Jan. 22.
- Garment. L. Novy. 2,396,117; Mar. 5.
- Garment and manufacturing the same, Full-fashioned knitted. L. Silman. 2,406,969; Sept. 3.
- Garment bag. J. H. Vineberg. 2,392,345; Jan. 8.
- Garment, Bifurcated. J. Koret. 2,398,537; Apr. 16.
- Garment, Body. V. M. Truesdell. 2,409,601; Oct. 15.
- Garment combination, Infant's sleeping. L. L. Steigerwald. 2,401,026; May 28.
- Garment construction. P. Hochfelder. 2,403,598; July 9.
- Garment construction. H. L. Seegal. 2,398,258; Aug. 9.
- Garment display form. J. Mayer. 2,412,900; Dec. 17.
- Garment finisher. G. W. Du Nah. 2,410,485; Nov. 5.
- Garment for animals. A. Norvig. 2,408,575; Oct. 1.
- Garment for infants, Restraining. W. and W. A. Stauffer. 2,404,108; July 16.
- Garment. Foundation. P. Annot. 2,401,325; June 4.
- Garment. Foundation. C. R. Glines. 2,406,215; Aug. 20.
- Garment. Foundation. J. V. Hollar. 2,400,823; May 21.
- Garment. Foundation. H. M. Ihnen. 2,413,502; Dec. 31.
- Garment hanger. C. S. E. C. and E. T. Bjorklund. 2,412,245; Dec. 10.
- Garment hanger. O. C. Byrket. 2,409,927; Oct. 22.
- Garment hanger. S. I. Cohen. 2,403,639; July 9.
- Garment hanger. R. W. Colwell. 2,401,413; June 3.
- Garment hanger. J. D. Coney. 2,391,947; Jan. 1.
- Garment hanger. P. E. Dubbe. 2,412,606; Dec. 17.
- Garment hanger. E. P. Elston. 2,413,231; Dec. 24.
- Garment hanger. A. F. Isaak. 2,410,735; Dec. 17.
- Garment hanger. E. L. Johnson. 2,408,145; Sept. 24.
- Garment hanger. L. E. Law. 2,400,761; May 21.
- Garment hanger. F. Le Roy. 2,407,841; Sept. 17.
- Garment hanger. E. F. Ramstack and C. R. Clafendetcher. 2,409,956; Oct. 22.
- Garment hanger. H. C. Kuen and H. M. Simmons. 2,391,923; Jan. 1.
- Garment hanger. J. Schliank. 2,401,969; June 11.
- Garment hanger. W. F. Thompson and A. R. Speare. 2,393,074; Jan. 15.
- Garment hanger. L. A. Young. 2,392,022; Jan. 1.
- Garment hanger and garment suspender device. S. Falcetti. 2,398,138; Apr. 9.
- Garment hangers, Making. L. A. Young. 2,409,170; Oct. 8.
- Garment holder. P. Gilliland. 2,405,124; Aug. 6.
- Garment, Infant's. C. and H. E. Wiese. 2,410,374; Oct. 29.
- Garment insert. G. Nimetz. 2,399,564; Apr. 30.
- Garment lacing. B. F. Pease, Jr. 2,409,381; Oct. 15.
- Garment, Maternity. L. E. McCarthy. 2,407,340; Sept. 10.
- Garment, One-piece. J. Weingarten. 2,408,537; Oct. 1.
- Garment, Paper. F. D. Turner. 2,406,416; Aug. 27.
- Garment rack. A. E. Sanderson. 2,412,011; Dec. 3.
- Garment, Rain protective. B. A. Levitt. 2,408,662; Oct. 1.
- Garment, Snow and rain protector. K. Koehane. 2,411,922; Dec. 3.
- Garment supporting belt. B. F. Pease. 2,392,761; Jan. 8.
- Garment trimming apparatus. J. Schlesinger. 2,397,983; Apr. 9.
- Garment trimming machine. V. J. and J. Sigoda, and J. Cosentino. 2,397,991; Apr. 9.
- Gas absorbent material and making the same. P. Borgstrom. 2,395,842; Mar. 5.
- Gas adsorption. A. H. Schutte. 2,397,566; Apr. 2.
- Gas-air inspirator. H. O. Mercier. 2,412,348; Dec. 10.
- Gas analysis and control. C. G. Gerhold. 2,393,362; Jan. 22.
- Gas analysis sample. Collecting. W. J. Fene and G. L. Freas. 2,411,157; Nov. 19.
- Gas analyzer. A. P. Sullivan. 2,404,993; July 30.
- Gas burner. H. Dobrin. 2,403,431; July 9.
- Gas burner. M. H. Kuhner. 2,392,822; Jan. 15.
- Gas burner. H. Lange. 2,409,129; Oct. 8.
- Gas burner. D. M. Stainbrook. 2,409,030; May 7.
- Gas burner. T. H. Thiele. 2,408,139; July 2.
- Gas burner assembly. C. L. Dewey. 2,400,397; May 14.
- Gas burner system. J. O. Moorhead. 2,408,673; Oct. 1.
- Gas cleaner apparatus. G. H. Wolfe. 2,392,872; Jan. 15.
- Gas compressor station. S. S. Stevens. 2,392,783; Jan. 8.
- Gas cylinder holder. B. L. McCabe. 2,404,513; July 23.
- Gas deflector for internal-combustion engines, Exhaust. T. R. Kelley. 2,409,496; Oct. 15.
- Gas engine. H. Schreck. 2,397,511; Apr. 2.
- Gas equipment, Liquid petroleum. W. C. Buttner and S. L. Sundstrom. 2,405,998; Aug. 20.
- Gas filling and tipping of envelopes, Method and apparatus for. W. J. Geiger and R. J. Ayres. 2,403,073; July 2.
- Gas generating apparatus and control system therefor. J. H. Bucknam. 2,402,522; June 18.
- Gas handling system. Liquefied. D. G. Arndt and S. K. Holt. 2,400,087; May 7.
- Gas heating burner. O. W. Hahn. 2,395,868; Mar. 5.
- Gas mixture. L. E. Seely. 2,411,759; Nov. 26.
- Gas producing apparatus, Inert. W. J. Willenborg. 2,392,711; Jan. 8.
- Gas pump. P. J. Voreaux. 2,405,475; Aug. 6.
- Gas purification process. J. A. Shaw. 2,395,509; Feb. 26.
- Gas purifying apparatus. H. T. Holzward. 2,413,324; Dec. 31.
- Gas-scrubbing apparatus. C. M. Cooper. 2,398,345; Apr. 16.
- Gas storage cylinders, Apparatus and method for filling. G. H. Smith. 2,411,235; Nov. 19.
- Gas supply apparatus and control system therefor. C. A. Siver. 2,402,523; June 18.
- Gas system for firearms. W. A. Schaich. 2,409,225; Oct. 15.
- Gas testing, Continuous electrolytic. W. P. Yant, M. G. Jacobson, and J. P. Strange. 2,401,287; May 28.
- Gas, Treatment of. R. D. Gunn. 2,409,558; Oct. 15.
- Gas tube circuit. H. J. Woll. 2,409,522; Oct. 15.
- Gas turbine. A. H. Matthews. 2,411,798; Nov. 26.
- Gas-turbine plant. W. Traupel. 2,392,622-3; Jan. 8.
- Gas unit. Multiple purpose. J. L. Bloomheart. 2,407,221; Sept. 10.
- Gaseous discharge tube. C. Hillyer, Jr., and H. Blackstone. 2,409,855; Oct. 22.
- Gaseous electrical space discharge rectifying device. P. W. Stancovich. 2,403,033; July 2.
- Gaseous mixture. S. H. White. 2,411,769; Nov. 26.
- Gaseous mixtures, Separation of the constituents of. W. Dennis. 2,411,680; Nov. 26.
- Gaseous mixtures, Separation of the constituents of. C. C. Van Nuys. 2,409,458; Oct. 15.

- Gaseous mixtures, Separation of hydrate-forming components of. A. J. L. Hutchinson. 2,410,583; Nov. 5.
- Gaseous tube. P. K. Ranney. 2,395,145; Feb. 19.
- Gases and solids, Separation of. L. C. Huff. 2,400,645; May 21.
- Gases in gas mixtures, Determining combustible. R. Weber. 2,399,965; May 7.
- Gases in the atmosphere, Rendering harmless poisonous. E. Berl. 2,394,887; Feb. 12.
- Gases from liquids, Releasing. B. C. Boeckeler. 2,411,186; Nov. 19.
- Gases from sulphite pulp digesters, absorbing relief. J. D. Jensen. 2,402,895; June 25.
- Gases or the like, Separating. N. C. Turner. 2,398,817; Apr. 23.
- Gases, Method and apparatus for separating and liquefying. W. L. De Baufre. 2,411,711; Nov. 26.
- Gases, Purification of. H. J. Hall and J. C. Munday. 2,411,208; Nov. 19.
- Gases, Purifying exhaust. B. Baringoltz. 2,409,825; Oct. 22.
- Gases, Recovery of acidic. A. W. Hixson and R. Miller. 2,405,747; Aug. 13.
- Gases, Scrubbing dust-laden. C. E. Johnig. 2,404,071; July 16.
- Gases, Selective adsorption of. G. H. Burrell and L. V. Guild. 2,399,095; Apr. 23.
- Gases, Separation and recovery of unsaturated. R. A. Graf. 2,414,066; Nov. 5.
- Gases, Separation of. N. C. Beese. 2,394,357; Feb. 5.
- Gases, Superheating. C. F. Ramseyer. 2,399,450; Apr. 30.
- Gases, Treating. M. Serre and F. J. Kurth. 2,396,208; Mar. 5.
- Gasket. H. H. Dunkle. 2,397,597; Apr. 2.
- Gasket. M. A. Gleeson. 2,401,923; June 11.
- Gasket. E. A. Hertzell and R. H. Anderson. 2,403,364; July 2.
- Gasket, Cylinder head. A. J. Aukers. 2,395,243; Feb. 19.
- Gasket, Infatable. W. E. W. Petter, W. M. Widgery, and S. T. A. Richards. 2,401,624; June 4.
- Gasket, Pipe thread. A. F. Hoessel. 2,407,552; Sept. 10.
- Gasket, Pipe thread. A. F. Hoessel. 2,407,553; Sept. 10.
- Gasket, Vacuum printing frame. C. Q. Glassey. 2,398,303; Apr. 9.
- Gasoline. E. L. Walters. 2,395,382; Feb. 19.
- Gasoline. E. L. Walters. 2,410,846; Nov. 12.
- Gasoline and of addition agents therefor, Stabilization of. D. B. Luten, Jr. 2,410,829; Nov. 12.
- Gasoline and of addition agents therefor, Stabilization of. E. L. Walters. 2,410,847; Nov. 12.
- Gasoline and like engines, Priming arrangement for. J. A. Hunt. 2,401,643; June 4.
- Gasoline and the production thereof. W. A. Bailey, Jr., and B. S. Greensfelder. 2,407,052; Sept. 3.
- Gasoline, Aviation. F. T. Weiss and C. E. Arbutnot. 2,399,413; Apr. 30.
- Gasoline, Blended. H. H. Zuidema and J. E. Mital. 2,402,863; June 25.
- Gasoline blending stocks, Manufacture of aviation. W. A. Schulze and C. J. Helmers. 2,403,879; July 9.
- Gasoline, Making. J. C. Munday. 2,398,846; Apr. 23.
- Gasoline, Manufacture of. J. W. Teter. 2,412,371; Dec. 10.
- Gasoline, Manufacture of aviation. W. A. Schulze and C. J. Helmers. 2,400,843; May 21.
- Gasoline, Production of aviation. R. F. Marschner. 2,403,869; July 9.
- Gasoline production, Aviation. E. B. Peck. 2,409,382; Oct. 15.
- Gasoline, Production of. L. G. Hall and H. G. Boucher. 2,407,492; Sept. 10.
- Gasoline, Production of aviation. P. E. Hurley and J. B. Dunlap. 2,399,805; May 7.
- Gasoline, Production of aviation. I. G. Nixon. 2,404,452; July 23.
- Gasoline, Production of aviation. R. H. Newton. 2,406,394; Aug. 27.
- Gasoline, Production of aviation. J. M. Powers. 2,393,565; Jan. 22.
- Gasoline, Production of aviation. D. Read, Jr. 2,394,716; Feb. 12.
- Gasoline, Production of catalytically cracked. G. C. Montgomery and R. W. McOmie. 2,400,431; May 14.
- Gasoline, Sweetening of. H. E. Messmore. 2,393,476; Jan. 22.
- Gasolines, Catalytic finishing of. R. M. Cole. 2,413,312; Dec. 31.
- Gate: See—
Elevating end gate.
Crossing gate.
- Gate. E. B. Sawyer. 2,393,418; Jan. 22.
- Gate control for dump trucks. M. Correa. 2,394,153; Feb. 5.
- Gate release, Film. W. A. Lebus. 2,407,339; Sept. 10.
- Gate valve. A. O. L. Wennerby. 2,394,128; Feb. 5.
- Gatherer, Fruit. R. E. Martin. 2,402,201; June 18.
- Gatherer, Hay. W. H. Rodefeld. 2,405,755; Aug. 13.
- Gathering and loading machine, Material. F. Carltidge. 2,399,101; Apr. 23.
- Gauge: See—
Airplane wing contour gauge.
Capacitor fuel gauge.
Compatible wheel aligning gauge.
Collimating gauge.
Differential pressure gauge.
Dimension testing gauge.
Dust gauge.
Dynamic pressure gauge.
Electric gauge.
Elongation gauge.
Fluid pressure gauge.
Inspection gauge.
Internal adjustable thread gauge.
Linear dimension gauge.
Machinist's gauge.
Micrometer height gauge.
Optical gauge.
Planer gauge.
- Gauge. J. J. Dunn. 2,400,293; May 14.
- Gauge. E. C. Horton. 2,401,566; June 4.
- Gauge. R. J. A. Ingsout and J. H. Lewis. 2,409,864; Oct. 22.
- Gauge. R. E. Lee. 2,397,020; Mar. 19.
- Gauge. E. W. Lersch. 2,397,795; Apr. 2.
- Gauge. W. F. Moore. 2,396,583; Mar. 12.
- Gauge. F. A. Peters. 2,400,840; May 21.
- Gauge. A. Rappl. 2,411,292; Nov. 19.
- Gauge. W. D. Schmidt. 2,404,750; July 23.
- Gauge. E. H. Schmitt. 2,404,751; July 23.
- Gauge. C. S. Warner. 2,402,715; June 25.
- Gauge. G. D. Webber. 2,409,817; Oct. 22.
- Gauge. S. Y. White. 2,399,703; May 7.
- Gauge finishing. L. Scusa. 2,411,814; Nov. 26.
- Gauge for dental treatment, Jaw. K. Horvat. 2,403,366; July 2.
- Gauge for fuel tanks, Measuring. A. L. Richolson. 2,410,525; Nov. 5.
- Gauge for spherical containers. J. A. Weaver. 2,405,247; Aug. 6.
- Gauging and sampling device. H. O. Parsons. 2,404,087; July 16.
- Gauging device. W. F. Aller. 2,403,896; July 16.
- Gauging device. W. F. Aller and L. J. Mahmeister. 2,403,898; July 16.
- Gauging device, Leakage. W. F. Aller. 2,403,897; July 16.
- Gauge for airfoils. H. L. Milner. 2,402,567; June 25.
- Gauge for back to crown dimensions, Bevel gear. R. Zimmermann. 2,398,171; Apr. 9.
- Gauge for grinding tool bits. L. H. Howe. 2,397,738; Apr. 2.
- Gauge for internal screw thread cutter, Resetting. C. H. Sapper. 2,393,195; Jan. 15.
- Gauge for steep faced threads. R. T. Fenn. 2,393,094; Jan. 15.
- Gauge labeling machine. A. M. Drake. 2,409,113; Oct. 8.
- Gauge sorting machine, Roller. L. Kerian. 2,411,274; Nov. 19.
- Gauges, Making electrical strain. B. J. Campbell and M. Hillton. 2,401,049; May 28.
- Gauges, Pneumatic comparator. C. B. Moore. 2,410,671; Nov. 5.
- Gauging and assorting apparatus. L. B. Horton and F. C. Speed. 2,409,682; Oct. 22.
- Gauging and controlling mechanism. J. R. Guenther. 2,399,113; Apr. 23.
- Gauging and like apparatus, Distance. C. A. Donaldson. 2,408,415; Oct. 1.
- Gauging apparatus. L. E. Wattebot. 2,392,016; Jan. 1.
- Gauging apparatus for the measurement of vacua. J. C. Morphet. 2,393,552; Jan. 22.
- Gauging apparatus for use with frusto-conical or like article. A. H. F. Bowness. 2,402,015; June 11.
- Gauging device. W. F. Aller. 2,392,301; Jan. 8.
- Gauging device. W. F. Aller. 2,412,380; Dec. 10.
- Gauging device. E. F. Martinec. 2,392,856; Jan. 15.
- Gauging device. E. F. Martinec. 2,397,971; Apr. 9.
- Gauging device. E. F. Martinec. 2,410,093-4; Oct. 29.
- Gauging device. R. Y. Moss. 2,412,413; Dec. 10.
- Gauging device. L. F. Polk and W. F. Aller. 2,412,421; Dec. 10.
- Gauging device for setting tools. C. V. Whale. 2,398,066; Apr. 9.
- Gauging means for lawn mowers. F. D. Wulff. 2,409,921; Oct. 22.
- Gauze weaving loom. M. Banyal. 2,401,452; June 4.
- Gear: See—
Aircraft landing gear.
Airplane landing gear.
Arresting gear.
Amphibian aircraft landing gear.
Automatic unidirectional gear.
Automatically retractible landing gear.
Beaching gear.
Boom displacing gear.
Brake for power reverse gear.
- Draft gear.
Finishing gauge.
Landing gear.
Propeller drive gear.
Protective switch gear.
Retractable landing gear.
Running gear.
Valve gear.
Vehicle running gear.
Vernier height gauge.

- Gear. F. H. Boor. 2,403,492; July 9.
 Gear and making it. R. J. Goldie and C. L. Wilber. 2,393,628; Jan. 29.
 Gearbox for bottle cleaning machine. G. J. Meyer. 2,393,394; Jan. 29.
 Gear cutters, Method and machine for relieving. M. H. Johanson and E. Wildhaber. 2,410,348; Oct. 29.
 Gear cutting. J. F. Waterfield. 2,405,337; Aug. 6.
 Gear divider with pressure loaded bushings. J. A. Lauck. 2,412,558; Dec. 17.
 Gear drive mechanism. F. G. Buhrendorf. 2,397,126; Mar. 26.
 Gear drive, Reduction. F. P. Lawler. 2,401,875; June 11.
 Gear drive, Unidirectional. C. W. Hewlett, Jr. 2,399,925; May 7.
 Gear finishing. D. D. Austin. 2,392,803; Jan. 15.
 Gear finishing. M. B. Mentley. 2,411,973; Dec. 3.
 Gear finishing machine. R. S. Drummond. 2,394,757; Feb. 12.
 Gear finishing tool of forged annular construction. W. F. Ross. 2,392,002; Jan. 1.
 Gear for aircraft, Landing. B. D. Branner. 2,410,625; Nov. 5.
 Gear for airplanes, Retractable landing. R. W. Palmer and J. M. Hudson. 2,391,998; Jan. 1.
 Gear for engines and other machines, Governing. F. J. Tippen. 2,407,042; Sept. 3.
 Gear for vehicles, Steering. P. E. Hawkins. 2,411,570; Nov. 26.
 Gear for vehicles, Steering and driving. G. A. Tomik. 2,394,119; Feb. 5.
 Gear grinding machine. C. T. Galloway. 2,395,544; Feb. 26.
 Gear of the positive displacement type, Hydraulic. J. H. Doran. 2,399,008; Apr. 23.
 Gear pump. J. C. Hanna. 2,403,796; July 9.
 Gear structure. Cam. F. E. Valentine. 2,405,473; Aug. 6.
 Gear teeth, Heat-treating of. F. S. Denneen and W. C. Dunna. 2,398,085; Apr. 9.
 Gear teeth, Method of and apparatus for forming. A. Mackmann. 2,410,544; Nov. 5.
 Gear testing work holder. L. D. Martin. 2,403,008; July 2.
 Gear transmission, Multispeed. J. J. Campodonico. 2,396,456; Mar. 12.
 Gear wheel pump. A. G. F. Wallgren. 2,407,753; Sept. 17.
 Gear with dirigible landing wheel, Landing. P. E. Mercer. 2,401,364; June 4.
 Gear timing method. H. W. Semar. 2,404,885; July 30.
 Gearing. H. D. Colman. 2,397,777; Apr. 2.
 Gearing. E. Wildhaber. 2,392,441; Jan. 8.
 Gearing, Antifriction. L. V. Mallard. 2,408,666; Oct. 1.
 Gearing, Differential. T. F. Schlicksupp. 2,397,374; Mar. 26.
 Gearing, Engine starter. J. E. Buxton. 2,407,132; Sept. 3.
 Gearing, Engine starter. D. L. Miller. 2,397,033; Mar. 19.
 Gearing, Resilient drive. H. C. Edwards. 2,407,144; Sept. 3.
 Gearing, Self-locking. F. Biehl and E. O. Thompson. 2,408,365; Apr. 23.
 Gearing, Vehicle drive axle. M. B. Morgan. 2,407,675; Sept. 17.
 Gears, Adjustable mounting for ring. W. C. Johnson. 2,399,122; Apr. 23.
 Gears and the like, Cushioning draft. L. B. Jones. 2,404,637; July 23.
 Gears, Assembling main reduction. F. E. Freeman. 2,393,098; Jan. 15.
 Gel, Non-aqueous. H. C. Meyer, Jr. 2,409,950; Oct. 22.
 Gel, Treating silica. A. S. Behrman. 2,400,907; May 28.
 Gels, Activation of inorganic. F. L. Litty, Jr. 2,395,632; Feb. 26.
 Gels, Preparation of synthetic. G. C. Connolly. 2,405,408; Aug. 6.
 Gelatin products, Making finely divided. M. Strenitz. 2,392,297; Jan. 1.
 Gelatin, Refining. S. E. Sheppard and R. C. Houck. 2,400,375; May 14.
 Generating apparatus and process, Heat. E. J. Lamport. 2,403,446; July 9.
 Generating apparatus, Electrical. H. J. De N. McCollum. 2,391,994; Apr. 1.
 Generating cell, Ozone. R. J. Schaefer. 2,403,241; July 2.
 Generating curves, Method and apparatus for. R. W. Wood. 2,409,603; Oct. 15.
 Generating device, Curved surface. A. R. Mudica. 2,402,070; June 11.
 Generating device, Precision cylindrical surface. A. J. Holman. 2,398,790; Apr. 23.
 Generating fixture, Form tool chip breaker. W. F. Ross. 2,405,609; Aug. 13.
 Generating impulses, Method and apparatus for. H. H. Brauer and R. W. Knebel. 2,411,648; Nov. 26.
 Generating, Multiline sweep patterns. H. Lifschutz. 2,402,168; June 18.
 Generating or receiving apparatus, Acoustic wave. H. C. Hayes. 2,411,541; Nov. 26.
 Generating system and its use in signal transmission systems, Pulse. T. A. McCann. 2,403,009; July 2.
 Generating system, Frequency. M. J. Larsen, C. S. Schjonberg, and J. A. Oswald. 2,410,883; Nov. 12.
 Generating, Harmonic Oscillation. L. A. Kilgore and H. E. Criner. 2,404,955; July 30.
 Generator: See—
 Acetylene generator. Oscillation generator.
 Aircraft landing gear. Permanent magnet field generator.
 Buffer and draft gear. Pilot wave generator.
 Constant width synchronized pulse generator. Pulse generator.
 Electric generator. Reciprocating pressure generator.
 Electric impulse generator. Sawtooth voltage generator.
 Electron discharge device generator. Sawtooth wave generator.
 Fog generator. Signal generator.
 Group impulsed high-frequency generator. Smoke screen generator.
 Hand generator. Stable pulse generator.
 Harmonic generator. Steam generator.
 Hemispherical generator. Sweep or pulse generator.
 High-frequency power generator. Synchronizing signal generator.
 High frequency pulse generator. Thermoelectric generator.
 High-frequency signal generator. Television signal generator.
 High voltage electrostatic generator. Thermoelectric generator.
 Impulse generator. Turbine-generator.
 Linear generator. Ultra high frequency generator.
 Linear time base sweep generator. Vapor generator.
 Mobile steam generator. Velocity modulation impulse generator.
 Generator. R. A. Baudry and E. I. Pollard. 2,393,956; Feb. 5.
 Generator. W. S. Hutchinson and E. R. Woodward. 2,407,882; Sept. 17.
 Generator. L. H. Middleton. 2,397,614; Apr. 2.
 Generator and circuit, Thermoelectric. P. L. Betz. 2,400,384; May 14.
 Generator and motor. C. H. Jones. 2,399,352; Apr. 30.
 Generator and power plant therefor. A. W. Kimball. 2,394,075; Feb. 5.
 Generator construction. A. J. Berneski. 2,409,184; Oct. 15.
 Generator drive, Axle. A. O. Williams. 2,404,115; July 16.
 Generator for secret telecommunication systems, Square coding wave. K. R. Wendt and A. V. Bedford. 2,406,978; Sept. 3.
 Generator of electrical, Oscillations. E. M. S. McWhirter and R. H. Dunn. 2,393,331; Jan. 22.
 Generator or amplifier, High frequency oscillation. E. U. Condon. 2,393,325; Apr. 20.
 Generator regulation, System of. W. J. Rady. 2,401,795; June 11.
 Generator regulator. J. E. Diehl. 2,392,127; Jan. 1.
 Generator type burner. J. L. Breese. 2,410,478; Nov. 5.
 Generator type heater. J. L. Breese. 2,398,818; Mar. 19.
 Generators, Method of and means for synchronizing wave. A. V. Bedford. 2,401,405; June 4.
 Geochemical prospecting. L. Horvitz. 2,400,420; May 14.
 Geochemical prospecting. E. E. Roper. 2,395,014; Feb. 19.
 Geometrical instrument. W. P. Mason. 2,405,227; Aug. 6.
 Germicidal preparations. E. C. Ladd. 2,396,468; Mar. 12.
 Germicidal solution and making same, Metallic. A. J. Salle and H. L. Guest. 2,399,829; May 7.
 Getter. P. L. Spencer. 2,412,302; Dec. 10.
 Girdle. M. R. Schubert. 2,397,211; Mar. 26.
 Girdle or foundation, Garment. C. Bullinger. 2,393,612; Jan. 29.
 Girdle, Pantie. E. C. Clark. Re. 2,2738; Apr. 2.
 Glass and lamp made therefrom, Fluorescent. J. G. Hooley. 2,393,469; Jan. 22.
 Glass and making, Opalescent. W. Weyl and N. J. Kreidl. 2,394,502; Feb. 5.
 Grass and weed cutter. N. E. Brooke. 2,400,284; May 14.
 Glass article and method, Fabricated. J. C. Smith. 2,392,104; Jan. 1.
 Glass articles, Method and apparatus for molding. H. K. Richardson, F. A. Newcombe, and A. H. Laidig. 2,393,265; Jan. 22.
 Glass bending. M. L. Devoil. 2,395,727; Feb. 26.
 Glass building construction. J. C. Huber, Jr. 2,403,369; July 2.
 Glass bulb and flask holder. H. L. Van Velzer. 2,407,351; Sept. 10.
 Glass closure unit, Laminated. D. T. Downes. 2,392,129; Jan. 1.
 Glass composition. K. C. Lyon. 2,408,468; Oct. 1.
 Glass composition, Fluorescent. J. G. Hooley. 2,400,147; May 14.
 Glass, Crimped fibrous. S. M. Dockerty. 2,395,371; Feb. 19.
 Glass cutter. R. C. Barrett. 2,394,138; Feb. 5.
 Glass, Drinking. B. D. Gilbert. 2,395,267; Feb. 19.

- Glass enamel composition. C. J. Harbert, F. C. Ellinger, and W. C. Morris. 2,397,004; Mar. 19.
- Glass enamel composition. C. J. Harbert and W. C. Morris. 2,397,065; Mar. 19.
- Glass fibers, Treatment of. K. J. Miller. 2,403,872; July 9.
- Glass, Forming structural. F. W. Preston. 2,399,825; May 7.
- Glass forming machines, Driving means for. C. Eisler. 2,400,423; Oct. 15.
- Glass fragmentation control. J. F. Holtje. 2,397,141; Mar. 26.
- Glass furnace. A. Hanson. 2,399,116; Apr. 23.
- Glass hardening. G. W. Jackson. 2,409,284; Oct. 15.
- Glass having low power factor. H. F. Hood. 2,410,286; Oct. 29.
- Glass having low power factor, Barium. W. H. Armistead, Jr. 2,393,449; Jan. 22.
- Glass having low power factor, Barium-lead. W. H. Armistead, Jr. 2,393,450; Jan. 22.
- Glass having low power factor, Lead. W. H. Armistead, Jr. 2,393,448; Jan. 22.
- Glass, Heat absorbing. G. C. Mook and R. W. Ricker. 2,397,195; Mar. 26.
- Glass, Installation for laminated. D. T. Downes. 2,403,060; July 2.
- Glass, Laminated. J. R. Roland. 2,400,139; May 14.
- Glass machinery, Apparatus for and method of spraying. W. T. Houiss. 2,412,268; Dec. 10.
- Glassmaking furnace. E. Gentil. 2,397,852; Apr. 2.
- Glassmaking machinery. G. A. Breene and L. D. Garratt. 2,410,422; Nov. 5.
- Glass manufacture. S. J. Everett. 2,393,979; Feb. 5.
- Glass manufacture. J. J. Everett. 2,396,254; Mar. 12.
- Glass, Manufacture of optical. A. J. Deyrup. 2,411,031; Nov. 12.
- Glass, Manufacture of tempered. T. G. Weihs. 2,401,442; June 4.
- Glass obtained by electric melting, Eliminating the coloration of. B. Long. 2,396,585; Mar. 12.
- Glass, Pocket reading. G. V. de Lery. 2,410,272; Oct. 29.
- Glass press. H. H. Snyder and E. H. Bennett. 2,398,676; Apr. 16.
- Glass prisms, Forming. J. P. Crowley. 2,409,108; Oct. 8.
- Glass, Producing bent laminated safety. J. D. Ryan and G. R. Zolman. 2,392,770; Jan. 8.
- Glass, Producing fibrous. A. L. Simison and E. Fletcher. 2,407,456; Sept. 10.
- Glass products, such as fibers and rods, Method and apparatus for making. J. A. Hoffman. 2,405,036; July 30.
- Glass rack construction. S. R. Edins. 2,413,039; Dec. 24.
- Glass run channel. W. S. Cameron. 2,399,204; Apr. 30.
- Glass, Sanitary drinking. G. C. Croom. 2,399,912; May 7.
- Glass sealed contact units, Manufacture of. C. E. Poillard, Jr. 2,392,099; Jan. 1.
- Glass solution inhibiting. H. Kranich. 2,402,557; June 25.
- Glass supporting skeleton mold. G. Z. Minton. 2,408,526; Oct. 1.
- Glass surfaces, Treatment of. F. W. Adams. 2,401,537; June 4.
- Glass structure, Laminated. F. A. Rodman. 2,408,483; Oct. 1.
- Glass to metal, Sealing of. R. L. Taylor. 2,399,770; May 7.
- Glass, Treating fibrous. P. Ebaugh. 2,407,483; Sept. 10.
- Glass, Ultraviolet absorbing. W. H. Armistead, Jr. 2,409,412; Oct. 15.
- Glasses, Eyeshield for. S. Kaesz. 2,403,223; July 2.
- Glasses, Optical. R. E. Bastick, W. M. Hampton, and T. H. Wang. 2,406,580; Aug. 27.
- Glassware, Method of and apparatus for forming. W. K. Berthold. 2,402,234; June 18.
- Glassworking apparatus. D. E. Gray. 2,398,525; Apr. 16.
- Glassworking apparatus. J. W. Juvinall and G. Stuhlfauth. 2,405,504; Aug. 6.
- Glassworking, Method and apparatus for electric. E. M. Guyer and M. R. Shaw, Jr. 2,394,051; Feb. 5.
- Glazing unit. C. E. Sovle. 2,409,808; Oct. 22.
- Glazing unit, Laminated glass. J. H. Boicey. 2,406,939; Sept. 3.
- Glide attachment for bomb sights. F. W. Morgenthaler and J. S. Garwood. 2,410,097; Oct. 29.
- Glider. D. S. Fahrney. 2,399,215; Apr. 30.
- Glider. H. J. Crawford. 2,407,777; Sept. 17.
- Glider. L. J. Marhofer. 2,407,563; Sept. 17.
- Glider, Airplane carrier. D. S. Fahrney. 2,399,217; Apr. 30.
- Glider launching, Towed. C. M. Bolster. 2,399,196; Apr. 30.
- Glider location indicator. D. E. Windle. 2,396,453; Mar. 12.
- Globe. A. F. Fukal. 2,405,418; Aug. 6.
- Globe and scale, World. R. A. Kiehl. 2,408,651; Oct. 1.
- Globe, Star. E. A. Link. 2,399,365; Apr. 30.
- Glove. F. Tatar. 2,400,200; May 28.
- Glove and like article, Rubber. V. W. De Laney and C. J. Crowley. 2,393,298; Jan. 22.
- Glove, Dairyman's. R. C. Logan. 2,405,154; Aug. 6.
- Glove, Gauntlet. H. E. Boyce. 2,406,991; Sept. 3.
- Glove, Welding. R. Bakke. 2,394,136; Feb. 5.
- Gloves, Molding. C. F. Ruebenaal. 2,405,329; Aug. 6.
- Glow discharge lamp. A. L. Peacock. 2,413,650; Dec. 31.
- Glow lamp. W. E. Carpenter. 2,402,019; June 11.
- Glow lamp, Miniature fluorescent and/or. C. Morehead. 2,392,333; Jan. 8.
- Glue. J. Brody. 2,394,682; Feb. 12.
- Glue and manufacture therefor. C. N. Cone. 2,400,541; Mar. 21.
- Glue, Applying. H. M. Grimshaw. 2,406,287; Aug. 20.
- Glue from bones, Producing. C. Mueller. 2,397,973; Apr. 9.
- Glue, Manufacture of. F. L. De Beukelaer. 2,397,650; Apr. 2.
- Glues and adhesives from keratin protein materials, Producing. G. H. Brother and C. H. Binkley. 2,399,161; Apr. 30.
- Gluing device. C. E. Gist. 2,397,853; Apr. 2.
- Gluing machine, Continuous. S. H. Hall. 2,408,064; Sept. 24.
- Gluing machine, Veneer edge. O. S. Bolling. 2,398,353; Apr. 16.
- Gluing stand. R. R. Roloson. 2,396,885; Mar. 19.
- Glycidide, Treating fatty. W. R. Trent. Re. 22,751; Apr. 30.
- Glycerides, Preparation of synthetic. H. C. Black and C. A. Overley. 2,408,905; Oct. 8.
- Glycerin from sugar by yeast fermentation, Production of. C. Neuberg and I. S. Roberts. 2,410,518; Nov. 5.
- Glycerol from fermented liquors, Recovering. J. S. Wallerstein, E. Farber, and V. Dayton. 2,400,859; May 21.
- Glycol glucosides and derivatives thereof. W. C. Griffin. 2,407,002; Sept. 3.
- Glycol Derivatives of. R. P. Parker and J. J. Denton. 2,394,257; Feb. 5.
- Glycols, Production of. F. J. Metzger. 2,409,441; Oct. 15.
- Gob forming mechanism. E. J. Sullivan. 2,402,462; June 18.
- Goggle. A. J. Desimone and J. Mazza. 2,399,991; May 7.
- Goggle. C. F. Hutchings. 2,409,356; Oct. 15.
- Goggles. S. E. Bouchard. 2,412,076; Dec. 3.
- Goggles. C. E. Morley and H. S. Davis. 2,411,933; Dec. 3.
- Goggles, Water. O. W. Heinz. 2,393,533; Jan. 22.
- Golf bag carrier. A. M. Schliwa and F. E. Anderson. 2,405,074; Aug. 13.
- Golf bag carrier. H. Strain. 2,399,518; Apr. 30.
- Golf club and manufacturing the same. J. W. Baymiller and R. W. Vose. 2,395,837; Mar. 5.
- Golf club head protector. I. E. Schloss. 2,396,021; Mar. 5.
- Golf practice device. S. G. Clarke. 2,402,274; June 18.
- Goose and duck call, Wild. J. S. Yager. 2,396,359; Mar. 12.
- Governing mechanism, Speed. A. G. Silvester. 2,411,065; Nov. 12.
- Governor. H. C. Edwards. 2,401,558; June 4.
- Governor. F. Hymans. 2,402,285; June 18.
- Governor. E. Olson and M. J. Kittler. 2,393,556; Jan. 22.
- Governor. S. M. Udale. 2,399,080; Apr. 23.
- Governor. S. M. Udale. 2,407,115; Sept. 3.
- Governor. D. L. Zeigler. 2,410,474; Nov. 5.
- Governor, Centrifugal. H. R. Ricardo. 2,392,265; Jan. 1.
- Governor control mechanism. E. Martin and E. D. Eaton. 2,397,876; Apr. 2.
- Governor, Electromagnetic centrifugal. W. P. Lear. 2,401,256; May 28.
- Governor, Engine. M. Mallory. 2,409,053; Oct. 8.
- Governor, Fluid. J. G. Ramsey. 2,392,262; Jan. 1.
- Governor for tools, Centrifugal. W. G. Mitchell. 2,402,972; July 2.
- Governor for wind driven propellers. J. R. and G. H. Albers. Re. 22,726; Feb. 26.
- Governor, Fuel pump. R. J. Ifford. 2,407,013; Sept. 3.
- Governor. Hydraulic speed control. B. G. Carlson. 2,404,900; July 30.
- Governor, Speed. R. C. Darnell. 2,408,161; Sept. 24.
- Governor, Speed. T. M. Ruby. 2,409,070; Oct. 8.
- Governor system, Acceleration sensitive. C. R. Hanna and S. J. Mikina. 2,407,982; Sept. 24.
- Governor valve. T. B. Martin and J. F. Haines. 2,407,791; Sept. 17.
- Grab irons, Forming. W. F. Creman. 2,395,612; Feb. 26.
- Grader, Adjustable push. O. R. Peterson and L. L. Hyler. 2,408,298; Sept. 24.
- Grading machine. H. F. McDonell. 2,399,280; Apr. 30.
- Grading machine. McS. Lupton. 2,406,842; Sept. 3.
- Grain, Accelerated moisture conditioning and milling of. E. J. Sullivan. 2,413,472; Dec. 31.
- Grain carrier. Q. J. Amber. 2,405,727; Aug. 13.
- Grain cleaner. W. E. Dempsey. 2,407,653; Sept. 17.
- Grain drill. T. J. Erdman. 2,400,745; May 21.
- Grain drill. W. A. Hyland. 2,391,975; Jan. 1.
- Grain elevator, Portable. J. A. Churchman. 2,410,012; Oct. 29.
- Granular materials, Handling. M. O. Glessner. 2,409,270; Oct. 15.
- Grapplefruit cutter. W. C. La Berge. 2,402,558; June 25.
- Grapple. W. I. Geiger. 2,399,433; Apr. 30.

- Grapple for handling crossties and the like. A. M. Deiters. 2,403,346; July 2.
- Grass cutter. C. F. Prouman and H. H. Goossen. 2,398,897; Apr. 16.
- Grate. C. V. Carroll. 2,403,787; July 9.
- Grate. E. W. Bullock. 2,410,266; Oct. 29.
- Grate. D. J. Mosshart. 2,400,707; May 21.
- Grate and grate bars. A. Balmforth. 2,399,618; May 7.
- Grate bearer bar. J. R. Graves. 2,403,857; July 9.
- Grate for burning solid fuel. R. C. Wright. 2,411,918; Dec. 3.
- Grate, Refuse burning. F. M. Poor. 2,412,694; Dec. 17.
- Grater, Plastic. A. A. Nu Dell. 2,413,151; Dec. 24.
- Grater, Safety. I. Rosenbloom. 2,405,056; July 30.
- Grating, Sectional. H. Nagin. 2,394,712; Feb. 12.
- Grating, Structural. E. C. Elliott. 2,404,570; July 23.
- Gravity-feed arc-welding apparatus. J. M. Tyrner. 2,412,660; Dec. 17.
- Gravity furnace. F. B. Higley and P. W. McCoy. 2,400,352; May 14.
- Grease, Base coat for launching. T. F. Ott. 2,397,805; Apr. 2.
- Grease container. R. L. Brewton. 2,393,217; Jan. 15.
- Grease dispenser. F. Wilkes. 2,405,481; Aug. 6.
- Grease dispensing pump. W. D. Lynch. 2,392,603; Jan. 8.
- Grease, Lubricating. J. M. Schantz. 2,399,063; Apr. 23.
- Grease manufacture. L. C. Brunstrum and H. J. Liehe. 2,398,075; Apr. 9.
- Grease, Process and apparatus for reclaiming. W. R. Mobley. 2,405,705; Aug. 13.
- Grease pump. A. L. Grise. 2,413,044; Dec. 24.
- Greases. H. J. Liehe. 2,394,790; Feb. 12.
- Greases. R. A. Swenson. 2,413,121-2; Dec. 24.
- Greases, High-temperature. J. D. Morgan. 2,393,797; Jan. 29.
- Greases, Lithium. E. B. Lien. 2,403,104; July 2.
- Greases, Lithium soap. L. C. Brunstrum and H. J. Liehe. 2,395,173; Apr. 9.
- Greases, Manufacturing lithium base. A. R. Bax, H. F. Kielhorn, and W. E. Forney. 2,406,655; Aug. 27.
- Green house structure. J. Negrijn. 2,393,055; Jan. 15.
- Grenade. F. Short. 2,413,004; Dec. 24.
- Grenade and fuse therefor. Hand. E. M. Shinkle. 2,408,486; Oct. 1.
- Grenade fuse. F. Short. 2,412,636; Dec. 17.
- Grenade, Hand. T. Miller. 2,393,861; Jan. 29.
- Grenade, Hand. E. L. Samann. 2,397,509-10; Apr. 2.
- Grid, Bulletproof. V. R. Abrams and W. W. Kennedy. 2,392,215; Jan. 1.
- Grid making machine. D. F. Drieschman, G. Shepherd, M. Rabinowitz, A. M. Newhall, Jr., and H. E. Sorg. 2,411,985; Dec. 3.
- Grid member. E. Labaree. 2,411,628; Nov. 26.
- Grid structure for vacuum tubes and the like. F. J. Bingley. 2,397,233; Mar. 26.
- Grill, Bottle carrier. W. M. Bassichis. 2,404,685; July 23.
- Grille. R. L. Leigh. 2,396,735; Mar. 19.
- Grinder. W. G. Wilson. 2,403,775; July 9.
- Grinder, Blade. F. E. Broberg. 2,409,416; Oct. 15.
- Grinder, Drill. W. E. Raney. 2,411,591; Nov. 26.
- Grinder and polisher, Internal. H. H. Talboys. 2,405,467; July 6.
- Grinder attachment for machine tools, Drill. W. A. Roseberry. 2,400,783; May 21.
- Grinder attachment, Meat. E. W. and R. Rogers. 2,406,105; Aug. 20.
- Grinder, Cylinder ridge. E. S. Hanson, Jr. 2,403,363; July 2.
- Grinder, Drill. H. E. Fendring. 2,401,471; June 4.
- Grinder for tools and the like, Precision. E. C. Shugars. 2,392,780; Jan. 8.
- Grinder, Hob. H. P. Phiprey. 2,408,949; Oct. 8.
- Grinder, Internal. W. Johnson. 2,405,748; Aug. 13.
- Grinder, Portable. F. F. Spetz. 2,401,670; June 4.
- Grinder, Portable surface. F. M. Bohler. 2,409,340; Oct. 15.
- Grinder, Rotary. J. H. Engeln. 2,397,849; Apr. 2.
- Grinder, Surface. B. T. Guilbert. 2,395,519; Feb. 26.
- Grinder, Swing frame. C. E. Hite. 2,398,308; Apr. 9.
- Grinder, Universal bench. A. B. Blomquist. 2,409,415; Oct. 15.
- Grinder, Valve. G. P. Mizell. 2,400,160; May 14.
- Grinder, Valve seat. A. L. Dunn. 2,400,953; May 28.
- Grinder, C. Gumpfer. 2,396,505; Mar. 12.
- Grinding. A. B. Runsey. 2,398,463; Apr. 16.
- Grinding. S. E. A. Thomte. 2,412,435; Dec. 10.
- Grinding and polishing machine, Lens. J. C. Andersen. 2,402,865; June 25.
- Grinding and polishing surfaces. Method and apparatus for. B. E. Luboshez. 2,407,206; Sept. 3.
- Grinding and polishing tool. A. Kratyk. 2,409,363; Oct. 15.
- Grinding apparatus. C. J. Armbrust. 2,397,459; Apr. 2.
- Grinding apparatus. S. A. Oakley. 2,411,052; Nov. 12.
- Grinding attachment. C. Melidoni and H. Gass. 2,400,767; May 21.
- Grinding attachment, Drill. R. G. Zenick. 2,411,609; Nov. 26.
- Grinding implement for articles of hard material. R. H. Hood. 2,397,006; Mar. 19.
- Grinding machine. M. H. Arms and L. J. Barnard. 2,410,038; Oct. 29.
- Grinding machine. M. B. Boyce. 2,407,222; Sept. 10.
- Grinding machine. C. A. Carlson. 2,403,341; July 2.
- Grinding machine. O. W. Dawson. 2,413,430; Dec. 31.
- Grinding machine. M. De Young. 2,396,775; Mar. 19.
- Grinding machine. S. W. Hodgdon. 2,397,860; Apr. 2.
- Grinding machine. P. H. Hutchinson. 2,402,225; June 18.
- Grinding machine. H. F. Kilbride. 2,401,874; June 11.
- Grinding machine. O. T. Pieper. 2,413,334; Dec. 31.
- Grinding machine. A. Scrivener. 2,402,454; June 18.
- Grinding machine. S. E. Woodbury. 2,403,160; July 2.
- Grinding machine, Centerless. J. Decker and G. W. Binns. 2,397,131; Mar. 26.
- Grinding machine, Crankshaft. A. G. Belden, C. G. Flygare, and O. E. Hill. 2,404,613; July 23.
- Grinding machine for shaping work pieces. J. L. Torgerson. 2,410,955; Nov. 12.
- Grinding machine, Gear. W. Graf. 2,404,573; July 23.
- Grinding machine, Gear. I. J. Gruenberg and S. G. Brady. 2,392,819; Jan. 15.
- Grinding machine, Ring. R. Stenwall. 2,397,298; Mar. 26.
- Grinding machine steadyrest. H. A. Silven. 2,399,608; Apr. 30.
- Grinding machine-table indexing mechanism. C. J. Green. 2,393,040; Jan. 15.
- Grinding machine, Tool. J. A. Cameron. 2,406,134; Aug. 20.
- Grinding machine, Tool. J. W. Rouse and W. D. Moore. 2,402,089; June 11.
- Grinding machine, Tool bit. A. P. Pollard. 2,394,202; Feb. 5.
- Grinding machine, Wood. F. W. Roberts. 2,406,904; Sept. 3.
- Grinding machine work head. C. G. Flygare. 2,396,841; Mar. 19.
- Grinding mill. L. M. Barker and E. G. Lewis. 2,405,633; Aug. 13.
- Grinding mill. F. T. Farfan. 2,394,048; Feb. 5.
- Grinding mill. J. R. Hall. 2,394,053; Feb. 5.
- Grinding mill. J. R. Hall. 2,405,682; Aug. 13.
- Grinding of rollers. A. R. Spicace. 2,409,320; Oct. 15.
- Grinding wheel dressing attachment. H. C. Stoll. 2,394,948; Feb. 12.
- Grinding wheel training apparatus. H. A. Silven. 2,393,937; Jan. 29.
- Grip and closure for cartons, Hand. R. V. Thompson. 2,407,111; Sept. 3.
- Grip for hoists. O. H. Gallamore. 2,401,378; Oct. 29.
- Grip for insulators, Conductor. H. S. Sines. 2,396,895; Mar. 19.
- Grip lifter. G. E. Moore and C. E. Miller. 2,413,366; Dec. 31.
- Grip, Self-energizing. L. C. Kantner, Jr. 2,400,514; May 21.
- Grip, Trouser waist. A. D. Grisanti. 2,413,180; Dec. 24.
- Gripper, Automatic. C. Crowley. 2,405,018; July 30.
- Gripper, Sheet. C. R. Kaddeland. 2,392,392; Jan. 8.
- Gripper mechanism. J. R. Wood. 2,411,123; Nov. 12.
- Gripping device. E. B. Cooper and M. L. Macht. 2,401,050; May 28.
- Grommet and washer assemblage. S. L. Cookin. 2,394,984; Feb. 5.
- Grommet assembly, Conductor. R. T. Relf. 2,406,852; Sept. 3.
- Grommet crimping tool. J. W. Wiesmann. 2,399,776; May 7.
- Groove-finishing apparatus. T. Marren. 2,398,022; Apr. 9.
- Groove-forming attachment for machine tools. J. Messana, Jr. 2,409,299; Oct. 15.
- Grooving tool. J. E. Anderson, J. H. Ballard, and H. E. Potter. 2,399,309; Apr. 30.
- Ground speed meter. S. Doba. 2,406,358; Aug. 27.
- Groundwood, Bleaching. R. C. Shearer. 2,413,583; Dec. 31.
- Group impulsed high-frequency generator. H. M. Strobel. 2,395,647; Feb. 26.
- Grout into subsoil. Method of and apparatus for. G. L. Dresser. 2,403,643; July 9.
- Grouting. A. E. Troiel. 2,411,011; Nov. 12.
- Guanamines, Aliphatic substituted. J. T. Thurston. 2,394,826; Feb. 5.
- Guanamines, Preparation of. P. Adams. 2,397,396; Mar. 26.
- Guard and making same, Brush. R. V. Heilman. 2,396,652; Mar. 19.
- Guard and reflector, Pants. Z. A. Bruegger. 2,396,080; Mar. 5.
- Guard and shoe embodying the same, Instep. W. A. Purinton. 2,393,810; Jan. 29.
- Guard and tow unit for motor vehicles, Combination radiator. E. C. Ketcham. 2,399,810; May 7.
- Guard belt. C. F. Foley. 2,397,541; Apr. 2.
- Guard, Brake block. C. Hollerith. 2,410,029; Oct. 29.
- Guard, Bridge. C. G. Gotthold. 2,392,529; Jan. 8.
- Guard, Cattle gutter. A. Hardrath, Sr., and A. Hardrath, Jr. 2,403,525; July 9.
- Guard edge, Conveyor belt. H. Ambruson. 2,397,584; Apr. 2.
- Guard, Fingertip. G. M. Campbell. 2,396,154; Mar. 5.

- Guard for angle cocks for train lines. M. D. King. 2,411,735; Nov. 26.
- Guard for closed end reflectors, Safety fluorescent lamp. C. E. Foster. 2,399,339; Apr. 30.
- Guard for fluorescent lamps, Retaining. K. A. Sawin. 2,408,240; July 2.
- Guard for gang planks, Rodent. C. H. Matson. 2,395,635; Feb. 26.
- Guard for vehicles, especially trucks, Splash. A. R. Lindsay. 2,405,262; Aug. 6.
- Guard, Insulating. B. R. Hermann. 2,409,042; Oct. 8.
- Guard, Journal box and dust. W. H. Sale. 2,397,753; Apr. 2.
- Guard, Manhole. V. W. Stevenson. 2,393,126; Jan. 15.
- Guard mechanism. W. R. Tinsler and H. L. Brock. 2,413,266; Dec. 24.
- Guard or protector for electric cables. B. A. Diebold. 2,408,253; Sept. 24.
- Guard, Portable lamp. R. Popp. 2,413,417; Dec. 31.
- Guard, Railway gate or stock. V. Ward. 2,401,804; June 11.
- Guard, Safety. A. E. Vosburg. 2,404,675; July 23.
- Guard, Shuttle. G. A. and A. Gill. 2,396,780; Mar. 19.
- Guard, Tire inflation. N. and B. Winarsky. 2,407,049; Sept. 3.
- Guard, Traction weight and fence. J. Verner. 2,397,064; Mar. 19.
- Guayule, Treatment of. A. J. Gracia. 2,410,780; Nov. 5.
- Guayule, Treatment of. A. J. Gracia and H. V. Powers. 2,410,781; Nov. 5.
- Guide for fishing rods, Line. A. D. Sarkisian. 2,398,862; Apr. 23.
- Guide for knitting machines, Sinkers. W. Larkin. 2,403,864; July 9.
- Guide for needles, Retaining guard. H. Turkel. 2,402,306; June 18.
- Guide for public safety of vehicles and pedestrians. J. J. Sola. 2,400,655; May 21.
- Guide for sewing machines, Cloth. J. A. Morabito. 2,411,102; Nov. 12.
- Guide for toilet flush valves, Replacement. R. H. Broadman. 2,393,139; Jan. 15.
- Guide, Grinding tool. F. L. Taylor. 2,404,604; July 23.
- Guide, Lettering. L. R. Price. 2,392,615; Jan. 7.
- Guide, Mason's. G. Stevens. 2,407,889; Sept. 10.
- Guide means, Float rod. J. D. Stages. 2,397,383; Mar. 26.
- Guide mechanism. H. J. McDermott. 2,411,889; Dec. 3.
- Guide, Radiating electromagnetic wave. W. W. Hansen. 2,402,622; June 25.
- Guide, Roller. A. R. Diamond and W. Stever. 2,402,952; July 2.
- Guide, Roller. C. J. Gaykowski. 2,402,546; June 25.
- Guide, Sheet. C. W. Harrold. 2,400,927; May 28.
- Guide system, Dielectric wave. M. D. Fiske. 2,407,069; Sept. 3.
- Guide system, Navigational. J. H. Hammond, Jr. 2,408,848; Oct. 8.
- Guide, Thread. F. P. Tamburro. 2,407,587; Sept. 10.
- Guide, Wave. F. H. Llewellyn. 2,395,560; Feb. 26.
- Guide, Wave. S. Roberts. 2,411,338; Nov. 19.
- Guideway for sliding windows. P. Mesnel. 2,407,671; Sept. 17.
- Guides for flame hardening torches, Adjustable. F. W. Riedel. 2,404,656; July 23.
- Guiding device, Tool. R. W. Lipp. 2,409,290; Oct. 15.
- Guiding device, Yarn. L. L. Jones. 2,401,249; May 28.
- Guiding means. C. W. Burcky. 2,409,102; Oct. 8.
- Guiding system, Ship. W. Ryan. 2,406,512; Aug. 27.
- Gum clamp. D. S. Robinson. 2,396,203; Mar. 5.
- Gum constituents from asclepiadaceae and product, Recovery of. E. N. Lougovoy and C. E. Hartwig. 2,397,611; Apr. 2.
- Gummed product. F. W. Humphner. 2,400,995; May 28.
- Gum. W. T. Gorton. 2,395,044; Feb. 19.
- Gum. G. S. McCarthy. 2,397,800; Apr. 2.
- Gum, Acid spray. N. Bourke. 2,394,424; Feb. 5.
- Gum and brush combination. C. D. Clobridge. 2,392,645; Jan. 8.
- Gun and sight mounting. J. C. Trotter. 2,412,109; Dec. 3.
- Gun, Automatic. D. S. Bell and O. R. Wikander. 2,395,211; Feb. 19.
- Gun, Automatic nut. J. Klopovic. 2,412,275; Dec. 10.
- Gun barrels, Examining the interior. A. E. Ushakoff. 2,405,245; Aug. 6.
- Gun barrels, Inspecting. A. C. W. Aldis. 2,407,598; Sept. 10.
- Gun barrels, Inspecting. A. C. W. Aldis and J. West. 2,411,076; Nov. 12.
- Gun, Bubble. P. S. Gilchrist, Jr. 2,393,039; Jan. 15.
- Gun, Burner. W. P. Cottrell. 2,413,434; Dec. 31.
- Gun carriage. T. H. Sullivan. 2,412,367; Dec. 10.
- Gun, Caulking. F. D. Welch. 2,398,985; Apr. 23.
- Gun charger. G. A. Goepfrich. 2,408,624; Oct. 1.
- Gun charger. H. C. Grant, Jr. 2,409,623; Oct. 22.
- Gun charger. E. J. Holzer. 2,411,377; Dec. 5.
- Gun charger. W. R. Weeks. 2,394,127; Feb. 5.
- Gun charger, Automatic machine. F. O. Wisman and W. C. Rohn. 2,410,767; Nov. 5.
- Gun charger, Remote control. F. T. Roberts, Jr. 2,397,607; Apr. 2.
- Gun charging mechanism. G. A. Goepfrich. 2,413,104; Dec. 24.
- Gun charging mechanism. W. E. Naugler. 2,411,934; Dec. 3.
- Gun-charging mechanism. F. R. Thresh. 2,408,110; Sept. 24.
- Gun, Combined release fire and straight fire. C. A. Young. 2,406,980; Sept. 3.
- Gun construction for gas blast spraying heat-fusible materials. A. P. Shepard. 2,397,165; Mar. 26.
- Gun for blasting and spraying. R. Ruemelin. 2,405,854; Aug. 13.
- Gunfire control, Method of and apparatus for. R. E. Crook. 2,410,016; Oct. 29.
- Gunfire control, System and apparatus for. F. E. Valentine and W. F. Skillin. 2,409,914; Oct. 22.
- Gun holster. G. P. McAuley. 2,401,174; May 28.
- Gun, Lever. C. E. Fitch. 2,409,619; Oct. 22.
- Gun, Manually operated breech-loading rapid-fire. F. R. Weaver. 2,397,572; Apr. 2.
- Gun mechanism, Recoilless. C. L. Eksergian. 2,405,414; Aug. 6.
- Gun mount. H. W. Evans. 2,409,618; Oct. 22.
- Gun mount. C. H. Kasch. 2,392,851; Jan. 15.
- Gun mount, Aircraft. J. C. Trotter. 2,409,405; Oct. 15.
- Gun mount, Antiaircraft and machine. R. B. Lindsey and G. Frock. 2,397,747; Apr. 2.
- Gun mount, Position regulated. C. R. Hanna and L. B. Lynn. 2,395,065; Jan. 1.
- Gun mount, Shock absorbing. J. C. Trotter. 2,409,404; Oct. 15.
- Gun mounting. G. H. Lazarus, Jr., and J. F. Bewley. 2,405,792; Aug. 13.
- Gun mounting. E. A. B. Rice, A. G. Rose, and S. Curren. 2,411,114; Nov. 12.
- Gun mounts, Limit stop for. F. C. Eastman. 2,391,956; Jan. 1.
- Gun, Multibarrel machine. B. F. Coleman. 2,404,277; July 16.
- Gun, Multiple barrel. R. L. Jenkinson. 2,409,939; Oct. 22.
- Gun or like appliance, Riveting. D. R. Dowdle. 2,401,724; June 11.
- Gun perforator. G. F. Turechek. 2,391,932; Jan. 1.
- Gun, Pin welding. G. V. Moore. 2,401,655; June 4.
- Gun, Pokeweld. D. H. Estes. 2,402,276; June 18.
- Gun, Portable welding. H. A. Strickland, Jr. 2,400,473; May 14.
- Gun position, Wing tip. H. Reiniger. 2,407,451; Sept. 10.
- Gun positioning system. H. L. Hull, W. S. Gorrill, and W. F. Frost. 2,408,069; Sept. 24.
- Gun, Pull. H. R. Fischer. 2,396,901; Mar. 5.
- Gun recharger, Machine. G. H. Severance. 2,397,569; Apr. 2.
- Gun, Repeating rocket. E. F. Chandler. 2,391,864; Jan. 1.
- Gun, Riveting. L. C. Hück. 2,406,949; Sept. 3.
- Gun, Rodent. H. H. Jacksch. 2,413,143; Dec. 24.
- Gun, Rotary barrel. J. A. E. Martineau. 2,406,089; Aug. 20.
- Gun seat. G. Maury, Jr. 2,393,257; Jan. 22.
- Gun sight. J. D. Howell. 2,398,309; Apr. 9.
- Gun sight. R. M. Lynn. 2,394,521; Feb. 5.
- Gun sight. J. D. Tear. 2,405,064; July 30.
- Gun sight. J. D. Tear and C. W. Buckley. 2,405,087; July 30.
- Gun sight. J. D. Tear and C. W. Buckley. 2,407,191; Sept. 3.
- Gun sight. J. D. Tear and E. P. Ross. 2,405,068; July 30.
- Gun sight. R. R. Vought. 2,397,711; Apr. 2.
- Gun sight for antiaircraft weapons and the like. A. Garda. 2,399,431; Apr. 30.
- Gun sighting device. E. J. Martin. 2,405,441; Aug. 6.
- Gun slide trunnion bearing. G. A. Chadwick and P. H. Girouard. 2,396,247; Mar. 12.
- Gunstock, Collapsible. A. H. Haberstump. 2,400,349; May 1.
- Gun structure and recoil control. G. M. Magrum and B. E. O'Connor. 2,397,188; Mar. 26.
- Gun structure, Electron. S. J. Koch and J. H. Robillard. 2,396,014; Mar. 5.
- Gun training apparatus. T. H. Swisher. 2,398,813; Apr. 23.
- Gun turret. G. W. Pontius, III, and F. V. Kuzmitz. 2,413,114; Dec. 24.
- Gun turret seat. A. Corte. 2,400,812; May 21.
- Gun turret sighting compensation systems. G. W. Pontius, III, A. P. Wilson, and F. V. Kuzmitz. 2,408,681; Oct. 1.
- Gunners' trainer, Panoramic type. E. W. Gosswiller. 2,392,142; Jan. 1.
- Gunners' training. F. Waller, W. R. Dresser, and H. M. Baker. 2,406,574; Aug. 27.
- Guns, Automatic firing means for gyro, Stabilized. A. R. Stone. 2,394,021; Feb. 5.
- Guns, Heating. G. Van Dam. 2,403,415; July 2.
- Guns mounted on aircraft, Aiming. L. J. Wackett. 2,405,383; Aug. 6.
- Guns, Sea-actuating means for machine. C. G. Swellibus. 2,395,023; Feb. 19.

- Gynecological instrument. C. E. Nagel. 2,400,251; May 14.
- Gypsum composition. T. P. Camp. Re. 22,816; Dec. 10.
- Gypsum lath, Perforating. L. N. Sorensen. 2,408,488; Oct. 1.
- Gyratory crusher. J. B. Duty. 2,391,953; Jan. 1.
- Gyro assembly. B. G. Martin. 2,409,875; Oct. 22.
- Gyro flux valve compass system. R. S. Curry, Jr. 2,393,974; Feb. 5.
- Gyro, Horizon. B. G. Carlson. 2,395,251; Feb. 19.
- Gyro-horizon training device. A. W. Beishline. 2,395,838; Mar. 5.
- Gyro instruments. Controlling. R. S. Curry, Jr. 2,401,337; June 4.
- Gyro vertical. F. D. Braddon. 2,409,659; Oct. 22.
- Gyroscope. A. Bach. 2,410,002; Oct. 29.
- Gyroscope. C. S. Grimshaw. 2,412,453; Dec. 10.
- Gyroscope, Directional. L. F. Beach, O. E. Esval, and A. W. Lane. 2,406,341; Aug. 27.
- Gyroscope, Electrical directional. W. R. Weems. 2,410,473; Nov. 5.
- Gyroscope apparatus. B. P. Ross. 2,405,058; July 30.
- Gyroscope controlling means. A. W. Lane. 2,409,634; Oct. 22.
- Gyroscope device. J. R. Moore. 2,406,845; Sept. 3.
- Gyroscope instrument. R. Haskins, Jr., and O. E. Esval. 2,412,614; Dec. 17.
- Gyroscope mechanism. E. J. Poltras, J. D. Tear, and W. H. Newell. 2,405,052; July 30.
- Gyroscope navigational device. M. Jones. 2,393,473; July 22.
- H-S from gases. Removal of. M. Williams. 2,403,319; July 2.
- Hack saw. Z. R. Hough. 2,399,869; May 7.
- Hackmore bit. R. W. Askin. 2,413,426; Dec. 31.
- Haibrubh. H. Schwedersky. 2,397,757; Apr. 2.
- Hair clip. L. T. Plumtree. 2,410,130; Oct. 29.
- Hair curler. J. Ashford. 2,410,144; Oct. 29.
- Hair drying process. C. A. Phipps. 2,392,405; Jan. 8.
- Hair extracting device. H. Orner. 2,413,576; Dec. 31.
- Hair extractor apparatus. J. Fichter. 2,400,227; May 14.
- Hair fastener. P. D. Reynolds. 2,396,389; Mar. 12.
- Hair foundation. W. Huppert. 2,406,376; Aug. 27.
- Hair-grip pin. J. Jackson. 2,403,501; July 9.
- Hair piece, toupee, or wig. V. J. Gordon. 2,393,858; Jan. 29.
- Hairpin. R. K. Gaylord and I. R. Green. 2,397,100; Mar. 26.
- Hairpin. A. De Julio. 2,401,620; June 4.
- Hairpin. R. T. Ross. 2,394,484; Feb. 5.
- Hairpin stand. W. W. Jones. 2,409,887; Oct. 22.
- Hair protecting bathing cap. M. Rasmussen. 2,398,246; Apr. 9.
- Hair remover. S. V. Horton. 2,413,325; Dec. 31.
- Hair rotating machine. B. Dodd. 2,403,550; July 2.
- Hair wave clip. R. David. 2,409,197; Oct. 15.
- Hair, Waving. R. E. Reed, D. Tenenbaum, and M. D. Beste. 2,405,166; Aug. 6.
- Hair waving cap. N. Hoffman. 2,411,994; Dec. 3.
- Hair waving device. A. Casieri. 2,400,195; May 14.
- Half handle structure. Self-locking, identical. E. J. Mason. 2,398,436; Apr. 16.
- Halides, Preparation of. E. Gorin. 2,404,055; July 16.
- Haloacetales. E. M. Filachione. 2,411,826; Nov. 26.
- Halogen derivatives of schiff bases having a bactericidal action. J. R. Shelton. 2,393,271; Jan. 22.
- Halogen-8-hydroxy-quinolindines. E. Senn. 2,411,670; Nov. 26.
- Halogen substituted acetonitriles. I. Hechenbleikner. 2,394,912; Feb. 12.
- Halogenated compositions. F. M. Clark. 2,394,367; Feb. 5.
- Halogenated compounds and making same. E. E. Hardy and G. M. Kosolapoff. 2,409,039; Oct. 8.
- Halogenated mercaptans and thio-ethers. Production of. E. Vaughan and F. F. Rust. 2,398,480; Apr. 16.
- Halogenated organic compounds. O. W. Cass. 2,412,389; Dec. 10.
- Halogenated polymers of ethylene and preparation. J. R. Myles and P. S. B. Jones. 2,398,803; Apr. 23.
- Halogenation. A. F. Benning and J. D. Park. 2,407,129; Sept. 3.
- Halogenosilanes, Alkylation of. D. T. Hurd. 2,403,370; July 2.
- Halver. V. Nagy. 2,402,835; June 25.
- Halving and pitting machinery, Fruit. N. E. Gaddini. 2,403,616; July 9.
- Hamburger patty maker. H. H. Holly. 2,413,046; Dec. 24.
- Hammer, Centrifugal. J. O. Clark. 2,397,776; Apr. 2.
- Hammer for firearms, Striking. A. Gazda. 2,399,432; Apr. 30.
- Hammer for impact crushers. L. G. Ehmman. 2,404,775; July 30.
- Hammer. Internal-combustion. G. A. Bergman. 2,399,458; Apr. 30.
- Hammer, Magazine. K. F. Morberg. 2,399,374; Apr. 30.
- Hammer, Mechanical. L. E. Pratt. 2,401,794; June 11.
- Hammer, Power. H. F. Caudill. 2,403,582; July 9.
- Hammer, Vibratory. E. Craig. 2,392,233; Jan. 1.
- Hammers, Soft-face attachment for pneumatic. L. C. Lefebvre. 2,400,833; May 21.
- Hamper or bag support. V. K. Roberts. 2,412,834; Dec. 17.
- Hand, Artificial. P. A. Rebers. 2,408,880; Oct. 8.
- Handbag. V. E. Ohlsen. 2,413,465; Dec. 31.
- Handbag. B. Stember. 2,399,898; May 7.
- Handbag and umbrella compartment, Combination lady's. M. Salem. 2,394,332; Feb. 5.
- Handbag, Crochet. L. K. Rotkel. 2,393,268; Jan. 22.
- Handbag, Gusseted plastic. J. Samuelson. 2,398,118; Apr. 9.
- Handbags, Art of framing. M. H. Storch. 2,393,487; Jan. 22.
- Handbags or the like, Locking structure for ladies'. F. W. Hardy. 2,399,866; May 7.
- Hand brake. P. B. Camp and H. E. Bartsch. 2,395,779; Feb. 26.
- Hand cleaner. W. E. Kleinicke. 2,410,168; Oct. 29.
- Hand generator. F. J. Roggan. 2,393,813; Jan. 29.
- Hand, Hydraulic artificial. J. Sargeson. 2,400,140; May 14.
- Hand loom. M. K. Durrin. 2,409,743; Oct. 22.
- Hand pump. G. W. Plumb. 2,396,878; Mar. 19.
- Hand reel. E. E. Combs. 2,393,613; Jan. 29.
- Hand tool. F. J. Clemens. 2,398,209; Apr. 9.
- Handle: See—
- Adjustable wagon handle. File handle.
- Basket handle. Flexible mattress handle.
- Casket handle. Furniture handle.
- Control handle. Microphone handle.
- Demolition tool handle. Saw handle.
- Detachable can handle. Sure grip syringe handle.
- Detachable handle. Welder handle.
- Handle. R. K. Hallum. 2,404,495; July 23.
- Handle. S. W. Parsons. 2,396,194; Mar. 5.
- Handle fastening. Adjustable tool. T. J. McIntosh. 2,409,877; Oct. 22.
- Handle for box springs and the like. M. Bechik and W. F. Caster. 2,410,258; Oct. 29.
- Handle for car door mechanism, Safety operating. A. E. Zimmer. 2,407,912; Sept. 17.
- Handle for cooking utensils. A. Peterson. 2,395,140; Feb. 19.
- Handle for safety razors. J. W. Anderson. 2,406,984; Sept. 3.
- Handle for steering wheels, Adjustable operating. E. A. Anderson. 2,413,132; Dec. 24.
- Handle, Locking sectional. E. J. Mason. Re. 22,749; Apr. 30.
- Handle structure for bottle carriers. A. Wesselman. 2,397,898; Apr. 2.
- Handling and drying apparatus, Pneumatic material. A. L. Smith. 2,401,438; June 4.
- Handling and loading apparatus, Material. W. Ruddock. 2,398,859-60; Apr. 23.
- Handling apparatus, Article. G. Goebel. 2,408,019; Sept. 24.
- Handling apparatus, Food. G. R. Wood. 2,404,557; July 23.
- Handling apparatus, Food. G. R. Wood. 2,407,525; Sept. 10.
- Handling apparatus, Material. Y. A. Bouget. 2,398,879; Apr. 23.
- Handling apparatus, Sheet. A. A. Saul. 2,406,857; Sept. 3.
- Handling apparatus, Work. S. G. Von Stocker. 2,401,592; June 4.
- Handling device. D. M. Lontz. 2,397,554; Apr. 2.
- Handling device, Material. B. Cotter, L. H. Klaasen, and T. P. Archer. 2,399,722; May 7.
- Handling device, Variable delivery fluid. D. J. Orr. 2,406,965; Sept. 3.
- Handling machine, Coin. O. E. Hoffman, E. W. Quirk, and W. H. Sprenger. 2,406,948; Sept. 3.
- Handling machine, Food. G. R. Wood. 2,402,520; June 19.
- Handling machine, Grain. C. Raney. 2,408,952; Oct. 8.
- Handling mechanism, Tack. C. A. Newhall. 2,400,130; May 14.
- Handwheel attaching means. H. McCarthy. 2,406,957; Sept. 3.
- Handy two-part folding screen. A. K. and D. F. White. 2,406,729; Aug. 27.
- Hanger: See—
- Airplane hanger.
- Hanger or similar hanging, Metal. R. Blickensderfer and P. J. Welch. 2,399,785; May 7.
- Hanger: See—
- Bacon hanger. Knockdown coat hanger.
- Boot hanger. Lady's skirt hanger.
- Clothes hanger. Piston hanger.
- Coat hanger. Safety interlocking clothes hanger.
- Collapsible garment hanger. Skirt hanger.
- Curtain hanger. Spring hanger.
- Ergless hanger. Trouser and skirt hanger.
- Foldable garment hanger. Trouser hanger.
- Garment hanger.
- Hanger and lamp lowering and hoisting means, Elevated. A. L. Ciper and A. W. Snyder. 2,407,869; Sept. 17.
- Hanger attachment, Garment. M. F. Smith. 2,408,697; Oct. 1.
- Hanger for books. A. J. Miller. 2,395,749; Feb. 26.

- Hanger mechanism, Loom weight. J. P. Blouin. 2,397,914; Apr. 9.
- Hardness of materials, Method and apparatus for testing the. A. J. Hodges. 2,407,278; Sept. 10.
- Hardware and screen cloth machine. N. S. Harter. 2,401,070; May 28.
- Hardware article. G. V. Jakeway. 2,402,407; June 18.
- Hardware, Divan. W. G. O'Neil. 2,395,424; Feb. 26.
- Hardware for concrete forms. R. L. Geer. 2,398,219; Apr. 9.
- Harmonic generating system. J. W. McRae. 2,408,437; Oct. 1.
- Harmonic generator. R. J. Kircher. 2,407,667; Sept. 17.
- Harmonica, Plastic. F. H. Magnus. 2,407,312; Sept. 10.
- Harness and control apparatus therefor, Safety. G. W. Pancoe. 2,394,523; Feb. 5.
- Harness, Baby. L. W. Ware. 2,413,395; Dec. 31.
- Harness, Engine lifting. H. O. Austin. 2,412,488; Dec. 10.
- Harness, Head. J. F. Dauster. 2,400,077; May 14.
- Harness, Improvement in parachute. J. Miller and B. L. Kaufman. 2,408,088; Sept. 24.
- Harness, Parachute. J. R. C. Quilter and J. Gregory. 2,405,871; Aug. 13.
- Harness, Parachute. M. H. St. Clair. 2,400,471; May 14.
- Harness, Quick release. F. Smith. 2,402,264; June 18.
- Harp. R. W. Kontor. 2,401,571; June 4.
- Harp, Lamp. D. Leef. 2,408,522; Oct. 1.
- Harrow, Disk. W. C. R. Ober. 2,402,884; June 25.
- Harrow, Disk. E. S. Thompson. 2,406,866; Sept. 3.
- Harrow, Disk. C. H. White. 2,392,018; Jan. 1.
- Harrow hitch. J. B. Guthrie. 2,396,369; Mar. 12.
- Harrow, Offset disk. A. E. Rutter. 2,404,252; July 16.
- Harvester. J. E. Erickson. 2,403,271; July 2.
- Harvester. E. F. Schmidt. 2,401,513; June 4.
- Harvester. A. B. Welty. 2,399,774; May 7.
- Harvester, Beet. G. C. Gordon and E. F. Blackwelder. 2,405,208; Aug. 6.
- Harvester construction. B. Hyman. 2,399,740; May 7.
- Harvester, Cotton. D. B. Baker and C. R. Hagen. 2,399,718; May 7.
- Harvester, Ensilage. G. B. Hill and F. D. Jones. 2,394,996; Feb. 19.
- Harvester, Hay. W. H. Rodefeld. 2,405,756; Aug. 13.
- Harvester reel. A. W. Oehler and E. J. Johnson. 2,406,706; Aug. 27.
- Harvester-thresher. C. J. Scranton. 2,397,375; Mar. 26.
- Harvesting apparatus, Celery. T. J. Bell. 2,410,861; Nov. 12.
- Harvesting machine. F. N. G. Kranick and C. W. Hansen. 2,395,672; Feb. 26.
- Harvesting machine, Cotton. C. T. Boone, Sr. 2,406,058; Aug. 20.
- Hat. M. G. Green. 2,396,503; Mar. 12.
- Hat and making the same, Fabric. J. Cavanagh. 2,408,610; Oct. 1.
- Hat construction. E. J. King. 2,410,033; Oct. 29.
- Hat construction, Interchangeable. A. I. Josephs. 2,408,318; Sept. 24.
- Hat, Fishermen's. S. W. Brunner. 2,393,286; Jan. 22.
- Hat, Paper. I. Gardner. 2,410,158; Oct. 29.
- Hatch, Escape. N. and S. O. Heffner. 2,396,508; Mar. 12.
- Hatch for railway cars, Roof. A. Campbell. 2,408,733; Oct. 8.
- Hatmaking apparatus and operating same. J. E. Kane. 2,396,178; Mar. 5.
- Hat, Manufacturing felt. A. E. Hodshon. 2,404,634; July 23.
- Hay feeder. J. G. Makl. 2,412,643; Dec. 17.
- Hay mover. W. Wedoc. 2,400,671; May 21.
- Head, Adjustable cutter. A. J. Maffa. 2,402,650; June 25.
- Head box slice for paper making machines. L. J. Boettlinger. 2,394,509; Feb. 5.
- Head, Casing. A. J. Penick. 2,400,254; May 14.
- Head for broaching machine, Pull. F. J. Lapointe. 2,405,961; Aug. 20.
- Head for lathes, Turret. F. Sirola. 2,403,405; July 2.
- Head for wells, Adaptor. L. C. Hudson. 2,407,010; Sept. 3.
- Headgear, Welder's. J. L. Morow. 2,402,431; June 18.
- Head, Induction heating. H. E. Somes. 2,399,897; May 7.
- Headlamp, Black-out. R. N. Falge. G. W. Onksen, Jr., and W. R. Goris. 2,403,646; July 9.
- Headlight indicator. V. J. Porter. 2,403,123; July 2.
- Headlight mounting. M. P. Blomberg. 2,403,904; July 16.
- Headlight tester. H. G. Holmes. 2,411,879; Dec. 3.
- Head, Pressure drilling. A. Pranger. 2,401,960; June 11.
- Headrest and emergency kit, Combined. F. I. Steele. 2,404,109; July 16.
- Head, Spray. A. O. Draviner. 2,402,741; June 25.
- Headstock, Turret lathe. M. G. Himoff. 2,401,072; May 28.
- Head, Universal grinder. H. S. Jakobsen. 2,400,826; May 21.
- Header and supporting member, Combined. A. E. Frildolph. 2,412,808; Dec. 17.
- Header for bottle filling machines. O. Powley. 2,396,603; Mar. 12.
- Heading apparatus, Wire. C. O. Blaisdell. 2,401,329; June 4.
- Heath cabinet. B. Howard. 2,406,222; Aug. 20.
- Heating aid. J. R. Cubert. 2,395,318; Feb. 19.
- Hearing aid and radio receiving set, Combined. T. B. Fordham and T. W. Moore. 2,409,481; Oct. 15.
- Hearing aids, Carrying pocket for. M. H. Brede. 2,400,626; May 21.
- Heating mounting. P. L. Haager. 2,405,745; Aug. 13.
- Hearth. D. C. Campion. 2,401,227; May 28.
- Heat control. W. W. Muir. 2,409,305; Oct. 15.
- Heat control. E. Olson. 2,407,095; Sept. 3.
- Heat exchange. H. Y. Lankford. 2,409,873; Oct. 22.
- Heat exchange apparatus. W. G. Fraser, Jr. 2,412,573; Dec. 17.
- Heat exchange apparatus. J. A. Wildermuth. 2,392,021; Jan. 1.
- Heat exchange apparatus, Tubular. W. H. Millener. 2,404,187; July 16.
- Heat exchange device. R. H. Amand and J. C. Daninos. 2,392,444; Jan. 8.
- Heat exchange fins, Fabrication of helical. R. W. Shoemaker. 2,396,611; Mar. 12.
- Heat exchange unit. W. H. Geddes. 2,404,168; July 16.
- Heat exchange unit. P. C. Hannah. 2,396,650; Mar. 19.
- Heat exchanger. D. C. Affleck. 2,412,552; Dec. 17.
- Heat exchanger. D. E. Jack and D. Augsburg. 2,405,286; Aug. 6.
- Heat exchanger. C. H. Koper. 2,399,357; Apr. 30.
- Heat exchanger. S. Kopp. 2,411,097; Nov. 12.
- Heat exchanger. S. Kopp. 2,411,436; Nov. 19.
- Heat exchanger. E. A. Wenk. 2,410,912; Nov. 12.
- Heat exchanger, Exhaust. E. O. Tinker. 2,393,840; Jan. 29.
- Heat exchanger for gaseous media, Recuperative. T. Vannurus. 2,402,307; June 18.
- Heat exchanger, Oil and jacket coolant. F. M. Young and W. V. Astrup. 2,397,068; Mar. 19.
- Heat exchangers, Repairing. J. E. Woods. 2,394,831; Feb. 12.
- Heat-insulating material. H. E. Lloyd. 2,400,884; May 28.
- Heat insulation block. C. C. Callis. 2,396,246; Mar. 12.
- Heat motor operated mechanism. D. G. Taylor. 2,396,541; Mar. 12.
- Heat pump. M. M. Smith. C. O. Fields, and E. N. Kemler. 2,401,890; June 11.
- Heat radiation, Locating objects by. H. A. Zahl. 2,392,873; Jan. 15.
- Heat regulator. P. S. Martin. 2,406,088; Aug. 20.
- Heat-resistant alloy. E. R. Parker. 2,404,248; July 16.
- Heat responsive device. W. A. Tolson. 2,410,317; Oct. 29.
- Heat-sealed articles, Forming. J. S. Hull. 2,402,631; June 25.
- Heat sealing, Method and apparatus for. H. A. Rohdin. 2,392,695; Jan. 8.
- Heat stable compositions. J. K. Craver. 2,410,635; Nov. 5.
- Heat transfer apparatus and manufacture. P. R. Cassidy. 2,404,826; July 30.
- Heat transfer assembly. H. J. Dailey. 2,409,668; Oct. 22.
- Heat transfer device. F. W. Knowles. 2,412,621; Dec. 17.
- Heat transfer resisting means for carburetors. W. H. Weber. 2,397,392; Mar. 26.
- Heat transferring means suitable for thermionic discharge apparatus. A. J. Young. 2,406,121; Aug. 20.
- Heat-treating apparatus. E. A. Furdert. 2,407,230; Sept. 10.
- Heat-treating apparatus. H. E. Somes. 2,399,896; May 7.
- Heat treating machine. H. E. Somes. 2,393,484; Jan. 22.
- Heat-treatment of glass articles, Carrying out. E. Gretham. 2,407,878; Sept. 17.
- Heat utilizer, Waste. F. Saco, Jr., and W. R. Williamson. 2,397,208; Mar. 26.
- Heated steering wheel cover. H. J. Leible. 2,392,539; Jan. 8.
- Heater: See—
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| Auxiliary air heater. | Induction heater. |
| Circulating heater. | Milk bottle heater. |
| Convection heater. | Oil-pump hot-water heater. |
| Direct fired unit heater. | Orchard or like heater. |
| Electric heater. | Portable electric heater. |
| Electric water heater. | Portable heater. |
| Electrical contact heater. | Railway track heater. |
| Engine block water heater. | Self-stoking water heater. |
| Fluid heater. | Side arm heater. |
| Forced draft floor heater. | Solar heater. |
| Fuel oil heater. | Space heater. |
| Generator type heater. | Unit heater. |
| High-temperature gas heater. | Water heater. |
- Heater. E. B. Barnes. 2,402,010; June 11.
- Heater. T. C. Chesney. 2,393,855; Jan. 29.
- Heater. A. W. Ferre. 2,392,283; Jan. 1.
- Heater. H. B. Holthouse. 2,405,427; Aug. 6.

- Heater. H. Lange. 2,399,490; Apr. 30.
 Heater. H. J. De N. McCollum. 2,395,418; Feb. 26.
 Heater. H. J. De N. McCollum. 2,395,568; Feb. 26.
 Heater. H. J. De N. McCollum. 2,398,106; Apr. 9.
 Heater. H. J. De N. McCollum. 2,402,970; July 2.
 Heater. H. J. De N. McCollum. 2,403,189; July 2.
 Heater. H. J. De N. McCollum. 2,404,646; July 23.
 Heater. H. J. De N. McCollum. 2,405,317; Aug. 6.
 Heater. H. J. De N. McCollum. 2,410,353; Oct. 29.
 Heater. H. J. De N. McCollum. 2,411,663; Nov. 26.
 Heater. W. A. Whitener. 2,399,589; Apr. 30.
 Heater. G. W. Zimbleman and J. Cherry. 2,411,313; Nov. 19.
 Heater and air circulator. Combined electric. J. M. Auerer. 2,408,282; Sept. 24.
 Heater and water knockout apparatus for treating oil well streams. Combination. J. P. Walker. 2,398,338; Apr. 9.
 Heater attachment for fans. A. W. Gardes. 2,411,782; Nov. 26.
 Heater control apparatus. S. E. Heymann. 2,396,655; Mar. 19.
 Heater control system. Water. C. M. Osterheld. 2,403,116; July 2.
 Heater control valve and switch. V. L. Hudson. 2,399,033; Apr. 23.
 Heater for army use. Hot-water. J. L. Brees. 2,396,819; Mar. 19.
 Heater for hygienic uses. Controlled electric water. T. A. Mungo. 2,409,512; Oct. 15.
 Heater for internal-combustion engines. Fuel. C. F. Brookes. 2,408,605; Oct. 1.
 Heater of adjustable temperature. Electric. D. S. and B. J. Drabble and P. Ortiz de Zarate. 2,398,136; Apr. 9.
 Heaters. Air attachment for rivet. F. Tricoll. 2,400,894; May 28.
 Heating. F. O. Hess. 2,402,045; June 11.
 Heating and cooling system. Moist air. L. E. Rollins. 2,392,553; Jan. 8.
 Heating and cooling system. Radiation. A. B. Newton. 2,396,338; Mar. 12.
 Heating and quenching device. Induction. W. C. Rudd. 2,404,987; July 30.
 Heating and rinsing device. Combination. H. L. Pyle. 2,394,330; Feb. 5.
 Heating and steam generating unit. Water. P. B. Wallace. 2,401,843; June 11.
 Heating apparatus. C. W. Abbott. 2,398,398; Apr. 16.
 Heating apparatus. A. Barnsteiner. 2,393,879; Jan. 29.
 Heating apparatus. E. Bletz. 2,392,655; Jan. 8.
 Heating apparatus. E. Bletz. 2,399,123; Apr. 30.
 Heating apparatus. E. Bletz. 2,409,414; Oct. 15.
 Heating apparatus. S. J. Budlane. 2,404,617; July 23.
 Heating apparatus. E. K. Clark. 2,410,013-14; Oct. 29.
 Heating apparatus. B. Goerg. 2,392,587; Jan. 8.
 Heating apparatus. H. B. Holthouse. 2,400,116-17; May 14.
 Heating apparatus. R. H. Hunter. 2,410,881; Nov. 12.
 Heating apparatus. H. De N. McCollum. 2,393,792; Jan. 29.
 Heating apparatus. H. J. De N. McCollum. 2,403,188; July 2.
 Heating apparatus. H. J. De N. McCollum. 2,410,547-8; Nov. 5.
 Heating apparatus. H. J. De N. McCollum and L. A. Williams. 2,394,627; Feb. 12.
 Heating apparatus. H. J. De N. McCollum and L. A. Williams, Jr. 2,404,647; July 23.
 Heating apparatus. M. L. Mueller. 2,402,907; June 25.
 Heating apparatus. O. W. Pike. 2,408,339; Sept. 24.
 Heating apparatus. G. E. Price. 2,392,692; Jan. 8.
 Heating apparatus. M. Resek. 2,393,411; Jan. 22.
 Heating apparatus. S. S. Vineberg. 2,407,590; Sept. 10.
 Heating apparatus. G. T. Wait. 2,410,537; Nov. 5.
 Heating apparatus. L. A. Williams, Jr. 2,401,032; May 28.
 Heating apparatus. L. A. Williams, Jr. 2,404,676; July 23.
 Heating apparatus and system. E. F. Chandler. 2,399,467; Apr. 30.
 Heating apparatus, Electrical. W. M. Roberds. 2,408,229; Sept. 24.
 Heating apparatus, Electrostatic. M. G. Stratton. 2,401,277; May 28.
 Heating apparatus, Flame. J. O. Bishop and L. L. Babcock. 2,410,005; Oct. 29.
 Heating apparatus, Induction. V. W. Sherman. 2,397,990; Apr. 9.
 Heating apparatus, Induction. H. A. Strickland, Jr. 2,402,508; June 18.
 Heating apparatus, Induction. H. A. Strickland, Jr. 2,405,985; Aug. 20.
 Heating apparatus, Progressive induction. V. W. Sherman. 2,402,186; June 18.
 Heating apparatus, Steam. C. N. Deverall. 2,402,610; June 25.
 Heating appliance. E. K. Clark. 2,409,420; Oct. 15.
 Heating assembly baffle construction. E. W. Brown. 2,396,939; Mar. 19.
 Heating attachment for horns. O. H. Pearson. 2,409,954; Oct. 22.
 Heating attachments for fireplaces. Portable. E. S. Rumery. 2,396,535; Mar. 12.
 Heating control. R. J. Parsons. 2,392,290; Jan. 1.
 Heating device. Electrical. E. R. Ziegler. 2,403,163; Jan. 1.
 Heating device for soldering. Electric. LeR. J. Lindberg. 2,411,549; Nov. 26.
 Heating, Electric arc. E. Hediger. 2,398,427; Apr. 16.
 Heating element. Electrical. J. McOrilly. 2,391,995; Jan. 1.
 Heating head. H. E. Somes. 2,397,442; Mar. 26.
 Heating. Intermittent billet. H. A. Strickland, Jr. 2,400,472; May 14.
 Heating means. H. S. Wheller. 2,400,617; May 21.
 Heating means for the outer surfaces of airplanes. J. Hoinowski. 2,395,548; Feb. 26.
 Heating of thin-walled nonmagnetic metallic tubes. Magnetic induction. R. M. Baker. 2,408,190; Sept. 24.
 Heating pad. F. Lobl. 2,401,360; June 4.
 Heating system. H. B. Holthouse. 2,393,167; Jan. 15.
 Heating system. H. B. Holthouse. 2,405,143-5; Aug. 6.
 Heating system. J. H. Leslie, II. 2,403,186; July 2.
 Heating system. E. B. Tidd. 2,395,697; Feb. 26.
 Heating system. Airplane. R. E. B. Wakefield. 2,401,393; June 4.
 Heating system and control means therefor. W. S. Landor. 2,398,099; Apr. 9.
 Heating system and control valve therefor. Steam. W. T. Ferguson. Re. 22,752; May 7.
 Heating system. Electric. E. D. Schneider. 2,398,673; Apr. 16.
 Heating system for aircraft. H. J. De N. McCollum. 2,396,740; Mar. 19.
 Heating system for buildings. Electric. W. N. Mann and E. Lawrenson. 2,406,884; Sept. 3.
 Heating. System of. E. F. Chandler. 2,399,985; May 7.
 Heating system of the circulating liquid class. M. Resek. 2,398,941; May 7.
 Heating system. Steam. W. T. Jones. 2,411,731; Nov. 26.
 Heating system. Thermosiphon liquid circulating. M. Resek. 2,398,942; May 7.
 Heating tank. Corrosion-resistant fluid. W. H. Martin. 2,404,670; July 9.
 Heating unit. A. D. Olds. 2,401,502; June 4.
 Heating unit and control. A. J. Kercher. 2,412,737; Dec. 17.
 Heating unit. Thermostatically controlled. B. O. Beck. 2,396,238; Mar. 12.
 Heating unit. Water. M. Doerner. 2,403,173; July 2.
 Heavy duty vehicle. F. O. Hess. 2,409,431; Oct. 15.
 Heavy duty vehicle. F. M. Reid. 2,398,248; Apr. 9.
 Hectograph mass. R. D. Blum, Jr. 2,412,200; Dec. 10.
 Heddle bar lock. D. E. Buice, Sr. 2,409,735; Oct. 22.
 Heel and making it. Composite resilient. C. H. Littlefield. 2,401,946; June 11.
 Heel construction. Shoe. G. B. Wisecarver. 2,407,524; Sept. 10.
 Heel. Detachable. A. Fisk. 2,403,592; July 9.
 Heel for boots and shoes. F. Ward. 2,406,274; Aug. 20.
 Heel protector. O. Guttmann. 2,398,092; Apr. 9.
 Heel. Reinforced resilient shoe. F. Cleve, Jr. 2,395,993; Mar. 5.
 Heel. Renewable. N. W. Doane. 2,396,834; Mar. 19.
 Heel. Resilient. R. W. Crum. 2,402,534; June 25.
 Heel. Rubber. M. L. Silverstein. 2,406,569; Aug. 27.
 Heel. Shock resisting. V. P. Williams. 2,394,281; Feb. 5.
 Heel. Shoe. O. Boivin. 2,400,282; May 14.
 Heel turning device. Automatic. G. Clausung. 2,405,941; Aug. 20.
 Helical spring. A. Raspet. 2,402,666; June 25.
 Helicopter. E. Bossi. 2,396,035; Mar. 5.
 Helicopter. C. E. Darrow. 2,404,829; July 30.
 Helicopter. R. R. Hays. 2,402,043; June 11.
 Helicopter. A. Serna. 2,411,297; Nov. 19.
 Helicopter. F. Thorne. 2,404,014; July 16.
 Helicopter. W. T. Trice. 2,399,076; Apr. 23.
 Helicopter. Air jet propelled. A. Sbrilli. 2,396,130; Mar. 5.
 Helicopter. Flow controlled. J. O. de Chappedelaine. 2,394,513; Feb. 5.
 Helicopter rotor mounting. J. O. de Chappedelaine. 2,410,993; Nov. 12.
 Helicopter with coaxial rotors and control means therefor. A. C. Thomson. 2,410,533; Nov. 5.
 Helmet. Face protecting. C. E. Bowers. 2,400,480; May 21.
 Helmet. Welders'. M. N. Anderson and M. H. Sellstrom. 2,410,266; Oct. 29.
 Helmet. Welders'. J. O'Reilly. 2,411,224; Nov. 19.
 Hemispherical generator. A. J. Holman. 2,392,478; Jan. 8.
 Hemoglobinometer. A. A. Grisdar and M. G. Brown. 2,396,260; Mar. 12.
 Heparin. Recovery of. M. H. Kuizenga. 2,410,084; Oct. 29.
 Herbicides. L. J. Meull. 2,392,859; Jan. 15.
 Hesperidin. Manufacturing. R. H. Higby. 2,400,693; May 21.

- Heterocyclic basis, Manufacture of. F. Bergel, N. C. Hindley, A. L. Morrison, and H. Rinderknecht. 2,405,555; Aug. 13.
- Heterocyclic sulphonamido azo compounds. E. E. A. Askelöb, N. Svartz, and H. C. Willstaedt. 2,396,145; Mar. 5.
- Heteropolymer of mono-olefin and an unsaturated ether, Insoluble. W. J. Sparks and R. M. Thomas. 2,412,921; Dec. 17.
- High capacity mine car. R. A. Shields. 2,411,939; Dec. 3.
- High chair. J. W. Best. 2,407,646; Sept. 17.
- High dielectric material and making same. E. Wainer. 2,399,082; Apr. 23.
- High dielectric material and making the same. E. Wainer. 2,402,515-18; June 18.
- High efficiency fluorescent lamp. N. C. Beese. 2,392,305; Jan. 8.
- High-frequency apparatus. H. Benloff. 2,408,407; Oct. 1.
- High-frequency apparatus. T. J. Boerner and J. W. Sanborn. 2,412,314; Dec. 10.
- High-frequency apparatus. W. C. Hahn. 2,403,795; July 9.
- High-frequency apparatus. W. W. Hansen and J. R. Woodyard. 2,406,372; Aug. 27.
- High-frequency apparatus. W. M. Kellogg. 2,410,080; Oct. 29.
- High-frequency apparatus. W. W. Mieher and J. D. Mallett. 2,407,518; Sept. 10.
- High-frequency apparatus. C. W. Rice. 2,412,631; Dec. 17.
- High-frequency apparatus. W. M. Roberts. 2,404,404; July 23.
- High-frequency baking apparatus. V. W. Sherman. 2,413,003; Dec. 24.
- High-frequency dielectric heating apparatus. R. W. Gilbert. 2,396,004; Mar. 5.
- High-frequency discharge device. A. M. Gurewitsch. 2,404,226; July 16.
- High-frequency electron discharge apparatus. J. H. Fremlin. 2,411,535; Nov. 20.
- High-frequency heating apparatus. E. T. Hsu. 2,405,037; July 30.
- High-frequency impedance-matching device. H. A. Wheeler. 2,403,262; July 2.
- High-frequency oscillations, Generating. D. H. Sloan. 2,404,541; July 23.
- High-frequency power generator. F. G. Albin. 2,412,553; Dec. 17.
- High-frequency pulse generator. J. A. Rado. 2,409,897; Oct. 22.
- High-frequency resistance. K. E. Latimer. 2,399,645; May 7.
- High-frequency shielding. O. M. Arnold. 2,405,987; Aug. 20.
- High-frequency signal generator. D. E. Harnett. 2,401,481; June 4.
- High frequency system, Ultra. R. W. George. 2,399,481; Apr. 30.
- High-frequency transducer system. P. S. Carter. 2,409,542; Oct. 15.
- High-frequency transmission lines, Monitor probe for. G. L. Uselman. 2,401,205; May 28.
- High-frequency tube structure and apparatus. W. W. Hanse and R. H. and S. Varian. 2,410,063; Oct. 29.
- High-frequency vacuum tube circuit. H. C. Lawrence, Jr. 2,403,725; July 9.
- High-frequency wave signaling system. W. P. Mueller. 2,410,387; Oct. 29.
- High-light process, Half-tone. B. L. Berry. 2,395,985; Mar. 5.
- High load mercury switch. C. H. Larson. 2,401,767; June 11.
- High molecular weight aliphatic ketones, Preparing. R. E. Meyer and F. P. Otto. 2,410,096; Oct. 29.
- High molecular weight products of ethylene. W. E. Hanford and J. R. Roland. 2,402,137; June 18.
- High-pressure closing device. K. Werner. 2,394,345; Feb. 5.
- High-pressure control valve. J. C. Hobbs. 2,391,898; Jan. 1.
- High-speed belt. H. J. Johnson. 2,392,743; Jan. 8.
- High-speed vehicle. R. M. Hamilton. 2,399,021; Apr. 23.
- High temperature alloy. S. O. Fisher. 2,406,363; Aug. 27.
- High temperature furnace. R. D. Hall and E. Romanelli. 2,404,060; July 16.
- High-temperature gas heater. R. Ruegg. 2,409,801; Oct. 22.
- High temperature valve. G. P. Bunn. 2,410,960; Nov. 12.
- High-temperature valve. L. W. Schrader. 2,412,913; Dec. 17.
- High vacua, Production of. J. W. Tills, J. B. Lovatt, and F. C. Potts. 2,404,997; July 30.
- High-voltage apparatus. R. H. Varian. 2,392,380; Jan. 8.
- High voltage electrostatic generator. J. G. Delcau. 2,398,581; Apr. 16.
- High voltage protective link. E. A. Thompson. 2,412,926; Dec. 17.
- High voltage regulator circuit. S. C. Spielman. 2,407,458; Sept. 10.
- High voltage safety switch. F. E. Runge. 2,395,683; Feb. 26.
- Highly unsaturated hydrocarbon impurities from diolefin-containing mixtures, Removal of. L. K. Frevel. 2,398,301; Apr. 9.
- Highly reflector sign. H. Bogher. 2,411,187; Nov. 19.
- Hinge, Adjustable. C. M. Jahn. 2,408,071; Sept. 24.
- Hinge and latch construction. G. Becker. 2,398,573; Apr. 16.
- Hinge, Box. C. W. Coyne. 2,399,989; May 7.
- Hinge for doors, Springing. A. C. Bunker. 2,395,456; Feb. 26.
- Hinge for shoe lasts. C. H. Heitman. 2,391,968; Jan. 1.
- Hinge, Locking. W. S. Bellows. 2,391,861; Jan. 1.
- Hinge, Spring. F. B. Wats. 2,413,475; Dec. 31.
- Hinged cover container. M. I. Williamson and H. A. Carruth. 2,403,698; July 9.
- Hitch. E. A. Calhoun. 2,412,672; Dec. 17.
- Hitch. W. L. Zink and V. O. Hauswirth. 2,400,145; May 14.
- Hitch, Automatic. C. Brodale. 2,409,831; Oct. 22.
- Hitch device. W. H. Silver. 2,412,754; Dec. 17.
- Hitch device. C. G. Strandlund. 2,403,410; July 2.
- Hitch device, Trailer. A. F. Solon. 2,409,399; Oct. 15.
- Hitch for tractors, Safety. S. S. Ellis. 2,398,365; Apr. 16.
- Hitch for trailers, Towing. F. R. and F. M. Klaus. 2,399,746; May 7.
- Hitch, Material spreader. C. L. George and R. N. Bennett. 2,403,973; July 16.
- Hitch means for connecting trailed devices to tractive vehicles. W. J. Sands and A. Greer. 2,405,980; Aug. 20.
- Hitch means for connecting trailers to tractive vehicles. H. G. Ferguson. 2,393,358; Jan. 22.
- Hitch, Snow plow shoe. A. L. and C. A. Hanson. 2,403,219; July 2.
- Hitch, Tractor. L. M. Lewison. 2,399,364; Apr. 30.
- Hitch, Tractor-trailer. S. F. Arlington and W. F. Double. 2,401,036; May 28.
- Hitch, Trailer. C. N. Carlson. 2,404,362; July 23.
- Hitch, Trailer. L. C. Goodwin. 2,397,001; Mar. 19.
- Hitch, Trailer. E. G. Lantz. 2,400,522; May 21.
- Hitch, Trailer. H. C. Riemann and J. R. Thorp. 2,408,531; Oct. 1.
- Hitch, Trailer. W. Wilson. 2,407,464; Sept. 10.
- Hobby horse, Child's. W. M. Denton. 2,400,396; May 14.
- Hockey game. J. O. Séguin. 2,398,726; Apr. 16.
- Hoe. H. J. Beneke. 2,406,280; Aug. 20.
- Hoe. G. Gailus. 2,407,740; Sept. 17.
- Hoe. G. H. Gacogne and J. R. Knox. 2,397,786; Apr. 2.
- Hog trap. F. L. Newbold. 2,408,872; Oct. 8.
- Hoist. F. W. Brundage. 2,407,811; Sept. 17.
- Hoist. F. and M. A. English. 2,410,777; Nov. 5.
- Hoist. D. V. Helle. 2,392,986; Jan. 15.
- Hoist. W. O. Ladwig. 2,397,271; Mar. 26.
- Hoist. F. P. Lawler. 2,402,756; June 25.
- Hoist. S. S. McIntyre. 2,405,156; Aug. 20.
- Hoist, Ammunition. R. L. Tweedale. 2,403,886-7; July 9.
- Hoist and grappling control, Load. H. N. Dimick. 2,410,965; Nov. 12.
- Hoist and landing device, Carcass. S. Le Field. 2,401,942; June 11.
- Hoist and transporting device. H. McKee. 2,407,993; Sept. 24.
- Hoist attachment for ladders. H. L. Campbell. 2,394,148; Feb. 5.
- Hoist, Cargo. W. P. Lear. 2,403,099; July 2.
- Hoist, Chain. C. S. Schroeder. 2,403,462; July 9.
- Hoist control and drive. H. F. Vickers. 2,407,694; Sept. 17.
- Hoist drum cover. E. B. Lear and A. Meyer. 2,402,289; June 18.
- Hoist for truck mounting, Portable electric. G. H. Smith. 2,395,201; Feb. 19.
- Hoist, Ladder. A. J. Kieldon. 2,405,505; Aug. 6.
- Hoist, Traversing. W. P. Lear. 2,403,095; July 2.
- Hoist, Vehicle. W. A. Courtenay, Jr. 2,407,629; Sept. 17.
- Hoisting apparatus. E. W. Holmes. 2,405,578; Aug. 13.
- Hoisting apparatus. E. B. Malcom and W. H. Yount. 2,401,172; May 28.
- Hoisting apparatus. C. A. Martin. 2,400,939; May 28.
- Hoisting device for dump trucks and other vehicles. J. P. Luckert. 2,406,620; Aug. 27.
- Hoisting drum, Air-cooled. C. M. Anderson. 2,412,706; Dec. 17.
- Hoists, Clutch mechanism for slusher. E. B. Learn and E. Meyer. 2,400,559; May 14.
- Hoists, Snubber for. E. B. Lear. 2,400,358; May 14.
- Holland, case and bag, Portable. E. E. Langford and A. T. Garnett. 2,405,361; Aug. 6.
- Hold-down bracket. H. H. Nelson. 2,402,769; June 25.
- Hold-down device, Adjustable. L. A. Spievack. 2,408,586; Oct. 1.
- Hold-down device, Aircraft. H. F. Pitcairn. 2,403,456; July 9.
- Hold-down device, Resilient. W. J. Miller. 2,408,330; Sept. 24.
- Hold-down device, Work. C. Rubenstein. 2,411,050; Nov. 12.

- Holder: See—**
Adjustable flashlight holder.
Album picture holder.
Arc welding rod holder.
Automatic aligning and locking tool holder.
Auxiliary jaw electrode holder.
Baby's heat-retaining nursing-bottle holder.
Battery holder.
Birthday cake candle holder.
Bobbin holder.
Bottle holder.
Broom holder.
Cable-stitch holder.
Candle holder.
Carbon arc electrode holder.
Carbon holder.
Cartridge crystal holder.
Christmas tree holder.
Cigarette and cigar holder.
Cigarette and safety match holder.
Cloth abrasive holder.
Clothesline holder.
Collapsible tube holder.
Concentricity gauge specimen holder.
Condiment holder.
Container holder.
Copy holder.
Cosmetic holder.
Crochet ball holder.
Crystal holder.
Cut film holder.
Desk pad holder.
Die holder.
Dish holder.
Display holder.
Door holder.
Electric welding rod holder.
Electrode holder.
Expansion joint dowel holder.
Expendible work holder.
Film holder.
Fishhook holder.
Fishing pole holder.
Flatiron holder.
Floating tool-holder.
Flower holder.
Fruit holder.
Fruit jar holder.
Full display flag holder.
Holder. O. Lobl. 2,394,457; Feb. 5.
Holder and applicator for cosmetic liquids and the like. F. W. Bryant. 2,389,463; Apr. 30.
Holder and ash tray. Combination cigarette. B. Z. Smith. 2,400,847; May 21.
Holder and carrier, Baby. N. Nettleship. 2,411,331; Nov. 19.
Holder and closure. Combined paste tube. F. M. Groedel. 2,393,103; Jan. 15.
Holder and positioner for heel parts. E. C. Gill. 2,408,844; Oct. 8.
Holder and toothpaste dispenser. Combined toothbrush. J. C. Kotraba. 2,411,923; Dec. 3.
Holder for bobbin transfer magazines. Yarn. G. W. Perkins. 2,396,120; Mar. 5.
Holder for bottles. H. G. Jackson. 2,409,357; Oct. 15.
Holder for cantilever elements. Spring. M. Fritts. 2,404,385; July 23.
Holder for cards and photographs. C. F. Zuber. 2,403,701; July 9.
Holder for cemetery use. Flower. K. Y. Messick. 2,399,498; Apr. 30.
Holder for containers. A. Dawson. 2,408,611; Oct. 1.
Holder for cords of electrical connectors. A. J. Schueneman. 2,406,567; Aug. 27.
Holder for dies. Alignment. R. O. Ferguson. 2,403,916; July 16.
Holder for dynamoelectric machines. Brush. W. C. Edmundson. 2,411,990; Dec. 3.
Holder for electric discharge devices. Protective. A. A. Olsen. 2,399,502; Apr. 30.
Holder for field ranges. Adjustable vessel. G. P. Wells. 2,394,574; Feb. 12.
Holder for filter leaves. Bag. H. E. Bergman. 2,399,784; May 7.
Holder for gauge lapping machines. Work. A. M. Drake. 2,405,346; Aug. 6.
Holder for Jacob's chuck attachment. Key. R. P. Olsen. 2,396,922; Mar. 10.
Holder for labels, tags, and the like. W. Kahn. 2,412,405; Dec. 10.
Holder for ladders and the like. Container. G. Thorson. 2,394,823; Feb. 12.
Holder for lipsticks and the like. W. B. Crane. 2,395,535; Feb. 26.
Holder for miner's lamp. J. L. Hostetler. 2,399,030; Apr. 23.
Holder for mops and other devices. I. Hertzberg. 2,413,564; Dec. 31.
Holder for plates. Cup or glass. W. Weidler. 2,413,535; Dec. 31.
Holder for use in electric welding. Electrode. F. G. Ketelberg and G. Mason. 2,407,836; Sept. 17.
Holder for Venetian blinds. Tape. J. L. Hunter. 2,396,425; Mar. 12.
Holder for wet replenishing looms. Pneumatic thread. W. H. Wakefield. 2,401,593; June 4.
Holder for welding rods. C. Mankowski. 2,411,329; Nov. 19.
Holder or dop for holding diamonds. Diamond. L. Bartovsky. 2,395,952; Mar. 5.
Holder with telescopic screw core. Expellant. J. W. Anderson. 2,395,710; Feb. 26.
Holding and ball release mechanism. Ball. I. Edelman. 2,403,590; July 9.
Holding and cutting device. Thread. L. K. Track. 2,402,696; June 25.
Holding and feeding device. Pad. M. Dessaur. 2,407,404; Sept. 10.
Holding device. J. W. Albin. 2,400,801; May 21.
Holding device. W. Blankner. 2,409,827; Oct. 22.
Holding device. T. E. Mead. 2,396,521; Mar. 12.
Holding device. Film. R. Sardeson and E. H. Savelle. 2,410,131; Oct. 29.
Holding device. Glass. J. T. Miller. 2,411,691; Nov. 26.
Holding means. Work. G. L. Russell. 2,409,590; Oct. 15.
Hole cutting tool. L. A. Smith. 2,411,697; Nov. 26.
Hole lapping machine. A. D. Kutzler. 2,391,983; Jan. 1.
Hollow articles. Making. J. Dahle. 2,397,340; Mar. 26.
Hollow articles. Spinning. C. J. Burch. 2,406,069; Aug. 20.
Hollow building block. J. Roe. 2,392,552; Jan. 8.
Hollow glass articles. Apparatus for forming. O. H. Samuelson and A. T. Zappia. 2,398,465; Apr. 16.
Hollow head articles. Cold working. P. P. Johnson. 2,392,152; Jan. 1.
Hollow hydraulic jack. W. S. Pine. 2,393,410; Jan. 22.
Hollow poppet valve. A. T. Colwell. 2,394,150; Feb. 5.
Hollow poppet valves. Making plug type. A. Townhill. 2,410,190; Oct. 29.
Hollow rivet. Tool for collapsing. R. S. Colley. 2,403,262; July 2.
Hollow valves. Making. S. H. Norton. 2,392,175; Jan. 1.
Holster. B. Engle. 2,410,640; Nov. 5.
Holster. Leather pistol. W. F. Ohlemeyer. 2,396,118; Mar. 5.
Homogenizing machine. E. D. MacEwing. 2,397,281; Mar. 26.
Homo-mixer. Directional. L. C. Fisher. 2,393,360; Jan. 22.
Honey press. R. D. Bradshaw. 2,403,784; July 9.
Honing machine. E. F. Moot. 2,406,556; Aug. 27.
Honing machine. E. Y. Seborg, H. J. Caldwell, and S. F. Manning. 2,397,814; Apr. 2.
Honing. Method and apparatus for. J. O. Olsen. 2,403,546; July 9.
Honing tool. J. E. Kline. 2,411,545; Nov. 26.
Honing tool. G. E. Strahm. 2,403,409; July 2.
Hood cap. K. R. Allen. 2,396,225; Mar. 12.
Hood construction. Furnace. E. H. Van der Pyl and J. A. Upper. 2,402,190; June 18.
Hood for airplane cabins. Quick-release. J. Martin. 2,394,425; Feb. 5.
Hood. Respiratory spray. C. Wright. 2,410,593; Nov. 5.
Hook: See—
Arch hook. Log loading hook.
Arresting hook. Manually operated arresting hook.
Automatic hook. Wire hook.
Ingot hook.
Lock hook.
Hook and hook retainer assembly. A. B. Schultz and W. B. Burkhardt. 2,402,919; June 25.
Hook and utility hanger. Clothes. R. J. Lukeman. 2,395,131; Feb. 19.
Hook coupling. P. F. Dilbert. 2,392,368; Jan. 8.
Hook for aircraft and the like. Release. L. C. Leslie. 2,396,921; Mar. 19.
Hook for double heddle bars. F. W. Hollingsworth, Jr. 2,394,178; Feb. 5.
Hook for double heddle bars. F. W. Hollingsworth, Jr. 2,397,788; Apr. 2.
Hook for garment hangers. C. N. Bergstrom. 2,395,032; Feb. 19.
Hopper construction. E. L. Hopping. 2,409,567; Oct. 15.
Hopper for use on automatic guns. Ammunition. D. W. Molins and F. F. Ruau. 2,401,664; June 4.
Hopper. Material dispensing. R. A. Dawson. 2,401,913; June 11.
Horizon for sighting instruments. Artificial. B. E. Luboshez. 2,410,667; Nov. 5.
Horizontal injection press. W. R. Tucker. 2,392,203; Jan. 1.

- Horizontal pot type burner. B. Hayter and S. Perry. 2,393,248; Jan. 22.
- Hormone derivatives. G. A. Grant and C. von Seemann. 2,392,660; Jan. 8.
- Hormone intermediates and preparation of same. R. E. Marker. 2,409,293; Oct. 15.
- Hormone preparations and preparing same, Water dispersible. A. E. Meyer. 2,394,628; Feb. 12.
- Hormones, Preparing sex. R. E. Marker and E. L. Wittie. 2,397,424-6; Mar. 26.
- Hormones, Recovering. J. W. Lee and F. E. Stirn. 2,398,185; Apr. 9.
- Horn and electrode assembly, Spotted. B. Gross and L. W. Cornwall. 2,399,797; May 7.
- Horn mechanism, Wrap. O. Fregeolle. 2,402,745; June 25.
- Horse control. P. McAuliffe. 2,392,053; Jan. 1.
- Horse, Folding. H. C. Campbell. 2,412,716; Dec. 17.
- Horse, Scaffold. W. Ashenfelter. 2,410,330; Oct. 29.
- Hose and manufacture thereof. M. Bakin. 2,392,967; Jan. 15.
- Hose clamp. F. L. and K. A. Hill. 2,395,273; Feb. 19.
- Hose clamp. G. Meyer. 2,403,606; July 9.
- Hose clamp. G. Meyer and C. G. Woodmansee. 2,403,449; July 9.
- Hose clamp. G. A. Tinnerman. 2,402,710; June 25.
- Hose clamp. M. J. Zaleske. 2,392,210; Jan. 1.
- Hose coupling. C. L. Conroy. 2,399,791; May 7.
- Hose coupling. R. R. Gunderson. 2,393,679; Jan. 29.
- Hose coupling. G. G. Howard. 2,403,668; July 2.
- Hose coupling. J. S. Robbins. 2,411,057; Nov. 12.
- Hose coupling. J. S. Vartanian. 2,408,243; Sept. 24.
- Hose coupling unit. R. E. Byrno. 2,394,363; Feb. 5.
- Hose mending tool. T. R. Schultz. 2,395,646; Feb. 26.
- Hose pump. H. A. Arnold. 2,406,485; Aug. 27.
- Hoses, End fitting for flexible. R. J. Fisher and W. H. J. Brock. 2,401,921; June 11.
- Hosiery. S. C. Mack. 2,409,138; Oct. 8.
- Hosiery and making same, Circular knit. B. J. Faucette. 2,396,166; Mar. 5.
- Hosiery drier. S. Heath and W. E. Greenlee. 2,405,746; Aug. 13.
- Hosiery, Manufacture of full-fashioned. C. Richter. 2,395,908; Mar. 5.
- Hospital equipment. T. B. Merwin. 2,394,091; Feb. 5.
- Hot-air furnace. J. C. Miles. 2,408,087; Sept. 24.
- Hot coated strip, Treatment for. K. Oganowski. 2,398,034; Apr. 9.
- Hot line clamp. G. E. Wadsworth. 2,397,390; Mar. 26.
- Hot melt-coating composition. M. Salo and H. F. Vivian. 2,410,685; Nov. 5.
- Hot metal mixer. H. L. McFeaters. 2,395,569; Feb. 26.
- Hot-water bag. B. Christenson. 2,411,677; Nov. 26.
- House and bird-feeding device, Bird. D. B. Hyde. 2,392,532; Jan. 8.
- Housing, Electrical condenser. J. A. Leno and W. J. Stray. 2,397,551; Apr. 2.
- Housing for locomotives or the like, Engine. J. M. Milheizer. 2,407,506; Sept. 10.
- Housing for suction cleaners, Split cast cylindrical. E. A. French and G. Sporney. 2,403,970; July 16.
- Housings, Securing and sealing means for meter box. J. A. Obermaier. 2,412,418; Dec. 10.
- Hub and axle assembly for floating axles, Rear. E. J. Bourgeois. 2,403,494; July 9.
- Hub, Clamping. E. V. Crane and H. F. Johnson. 2,395,169; Feb. 19.
- Hub for hose reels and the like. D. M. Phillips. 2,412,287; Dec. 10.
- Hull construction. K. F. J. Kirsten. 2,396,428; Mar. 12.
- Huller, Nut. C. G. Leonard. 2,397,021; Mar. 19.
- Human carrier. W. J. Maloney. 2,407,714; Sept. 17.
- Humidifier. W. Feldermann. 2,399,862; May 7.
- Humidifier. G. W. Skilbeck. 2,395,512; Feb. 26.
- Humidifier for internal-combustion engines. J. F. Talbott. 2,412,016; Dec. 3.
- Humidifier system. H. L. Galsen. 2,395,660; Feb. 26.
- Humidifying apparatus and control therefor. G. Brown. 2,402,488; June 18.
- Humidity, Measurement and control of. C. A. Mabey. 2,400,427; May 14.
- Husking rolls. J. L. Aasland. 2,413,279; Dec. 31.
- Hydantoin, Preparation of. W. F. Gresham and C. E. Schweitzer. 2,402,134; June 18.
- Hydantoins and obtaining the same. L. M. Long. 2,404,509-10; July 23.
- Hydantoins, Chlorinated. A. O. Rogers. 2,398,599; Apr. 16.
- Hydantoins, Obtaining. H. R. Henze. 2,409,754; Oct. 22.
- Hydracrylic acid, Manufacture of. H. S. Davis. 2,410,776; Nov. 5.
- Hydration, Gas. J. F. Crowther. 2,399,723; May 7.
- Hydraulic accumulators, Strainer insert for. J. Mercler. 2,399,444; Apr. 30.
- Hydraulic apparatus. V. V. Blasutta. 2,409,185; Oct. 15.
- Hydraulic apparatus. F. J. Wright. 2,401,397; June 4.
- Hydraulic apparatus. F. J. Wright. 2,409,091; Oct. 8.
- Hydraulic apparatus. F. J. Wright. 2,410,375; Oct. 29.
- Hydraulic Barker for slabs. F. H. Swift. 2,413,341; Dec. 31.
- Hydraulic brake. N. A. Christensen. 2,396,155; Mar. 5.
- Hydraulic brake. H. C. Hill. 2,407,699; Sept. 17.
- Hydraulic brake systems, Safety control for. C. W. Hagart. 2,402,748; June 25.
- Hydraulic braking system. W. Stelzer. 2,396,897; Mar. 19.
- Hydraulic clutch. H. E. Morton. 2,409,995; Oct. 22.
- Hydraulic control, Dump truck. J. C. Monahan. 2,401,498; June 4.
- Hydraulic control valve. W. T. Stephens. 2,392,421-3; Jan. 8.
- Hydraulic controlling mechanism. C. de Ganahl, P. H. Stafford, and G. D. Conlee. 2,396,643; Mar. 19.
- Hydraulic coupling. P. H. Batten. 2,400,093; May 14.
- Hydraulic coupling. R. A. Carlson and B. A. Swennes. 2,402,369; June 18.
- Hydraulic coupling. W. J. Crites. 2,409,256; Oct. 15.
- Hydraulic crane. F. A. Sherman. 2,392,004; Jan. 1.
- Hydraulic damping device. C. C. S. LeClair. 2,412,277; Dec. 10.
- Hydraulic device. G. S. Light. 2,396,052; Mar. 5.
- Hydraulic device. E. J. Parsons. 2,408,338; Sept. 24.
- Hydraulic drive. F. O. Emmitt. 2,394,160; Feb. 5.
- Hydraulic drive. A. A. Fiddler. 2,403,214; July 2.
- Hydraulic drive unit. G. E. Thompson. 2,395,355; Feb. 19.
- Hydraulic fluids. R. C. Morris, E. C. Shokal, and A. V. Snider. 2,394,251; Feb. 5.
- Hydraulic internal line-up clamp. B. V. Elliott and H. C. Price. 2,408,255; Sept. 24.
- Hydraulic jack. O. J. Kornegesser. 2,410,771; Nov. 5.
- Hydraulic jack. J. J. Mueller. 2,412,414; Dec. 10.
- Hydraulic jack. H. E. Page. 2,402,572; June 25.
- Hydraulic lash adjuster. H. F. Barr. 2,394,354; Feb. 5.
- Hydraulic lift jack. H. E. Page. 2,393,405; Jan. 22.
- Hydraulic log-barking machine. H. E. Bukowsky. 2,395,845; Mar. 5.
- Hydraulic machine. W. S. Galloway and J. Anderson. 2,411,258; Nov. 19.
- Hydraulic mechanism. A. J. Banning. 2,403,328; July 2.
- Hydraulic mechanism. J. A. H. Barkeij. 2,410,353; Oct. 29.
- Hydraulic motor. T. C. Bertoglio. 2,395,092; Feb. 19.
- Hydraulic motor. O. E. Rosen. 2,393,223; Jan. 15.
- Hydraulic movement transmitting system. E. R. Robertson. 2,399,296; Apr. 30.
- Hydraulic operating and control mechanism. C. E. Linden and R. H. McClellan. 2,393,918; Jan. 29.
- Hydraulic operation of mechanism. H. Schreck. 2,396,392; Mar. 12.
- Hydraulic operator. W. R. Ray. 2,399,294; Apr. 30.
- Hydraulic power lift. C. G. Strandlund. 2,394,117; Feb. 5.
- Hydraulic press. R. J. Hess and F. G. Cizek. 2,410,581; Nov. 5.
- Hydraulic press. W. P. Muir. 2,403,391; July 2.
- Hydraulic pressure system. H. H. Logan. 2,396,864; Mar. 19.
- Hydraulic pump. W. Messinger. 2,403,292; July 2.
- Hydraulic pump. K. E. and C. D. Pyne, and D. L. Leadbeater. 2,407,343; Sept. 10.
- Hydraulic pump. C. J. Strid. 2,404,547; July 23.
- Hydraulic rapid traverse. O. and H. O. Kylin and M. L. Valentino. 2,400,237; May 14.
- Hydraulic relief valve. C. E. Tweedle. 2,408,708; Oct. 1.
- Hydraulic remote-control system. J. W. Kelly. 2,397,270; Mar. 26.
- Hydraulic safety valve. G. M. Lutes and T. J. Landt. 2,402,171; June 18.
- Hydraulic selector valve. O. A. Kehle. 2,409,765; Oct. 22.
- Hydraulic servomotor. E. Dodson. 2,399,474; Apr. 30.
- Hydraulic system. A. H. Adams and T. S. Tucker. 2,409,175; Oct. 15.
- Hydraulic system. J. A. Broadston and R. B. Sprague. 2,396,984; Mar. 19.
- Hydraulic system. W. Ernst. 2,410,869; Nov. 12.
- Hydraulic system. H. Hermann. 2,396,653; Mar. 19.
- Hydraulic system. J. W. Kelly. 2,410,978; Nov. 12.
- Hydraulic system. H. W. Rockwell. 2,402,449; June 18.
- Hydraulic system. W. R. Tucker. 2,399,520; Apr. 30.
- Hydraulic timing mechanism. R. E. Price. 2,392,261; Jan. 1.
- Hydraulic torque device, Rotary. H. and A. G. Schneider. 2,410,185; Oct. 29.
- Hydraulic torque wrench. H. E. Page. 2,398,392; Apr. 16.
- Hydraulic transmission. P. C. Temple. 2,393,128; Jan. 15.
- Hydraulic transmission. E. Wiedmann. 2,397,395; Mar. 26.
- Hydraulic transmission control. L. C. Blair. 2,393,882; Jan. 29.
- Hydraulic transmission, Variable-speed. R. S. Segsworth. 2,393,479; Jan. 22.
- Hydraulic valve. G. S. Light. 2,398,542; Apr. 16.
- Hydraulic valve. J. B. Van Der Werff. 2,393,076; Jan. 15.
- Hydraulic wheel brake system, Self-energizing. C. B. Livers. 2,400,587; May 21.
- Hydraulically controlled machine tool. W. R. Tucker. 2,408,482; Aug. 27.

- Hydraulically operated rotating clutch. K. A. Browne. 2,396,361; Mar. 12.
- Hydrides, Production of metal. P. P. Alexander. 2,401,923; June 4.
- Hydrides, Production of metal. F. P. Archibald and P. P. Alexander. 2,401,926; June 4.
- Hydrocarbon alkylation, Aromatic. J. Anderson, E. F. Bullard, and S. H. McAllister. 2,396,144; Mar. 5.
- Hydrocarbon catalyzing process. R. E. Burk and E. C. Hughes. 2,410,044; Oct. 29.
- Hydrocarbon combustion tube burner. R. M. Sherman. 2,411,342; Nov. 19.
- Hydrocarbon compounds of arsenic. Long chain aliphatic. E. A. H. Friedheim. 2,396,258; Mar. 12.
- Hydrocarbon conversion. A. Belchetz. 2,408,725; Oct. 8.
- Hydrocarbon conversion. W. H. Claussen and T. M. Powell. 2,404,902; July 30.
- Hydrocarbon conversion. H. O. Folkins and C. M. Thacker. 2,402,034; June 11.
- Hydrocarbon conversion. F. E. Frey. 2,393,857; Jan. 29.
- Hydrocarbon conversion. K. H. Hachmuth. 2,396,173; Mar. 5.
- Hydrocarbon conversion. K. H. Hachmuth and D. G. Blaker. 2,401,242; May 28.
- Hydrocarbon conversion. E. T. Layng and S. Goldwasser. 2,382,248; Jan. 1.
- Hydrocarbon conversion. M. M. Marisic. 2,394,796; Feb. 12.
- Hydrocarbon conversion. H. J. Passino. 2,396,965-6; Mar. 19.
- Hydrocarbon conversion. M. M. Perkins and B. Sellmeyer. 2,400,437; May 14.
- Hydrocarbon conversion. C. L. Thomas. 2,402,854; June 25.
- Hydrocarbon conversion and apparatus. H. R. Markley. 2,405,864; Aug. 6.
- Hydrocarbon conversion and fractionation system. W. C. Edmister and D. H. Pollock. 2,398,496; Apr. 16.
- Hydrocarbon conversion, Catalytic. W. A. Schulze. 2,406,112; Aug. 20.
- Hydrocarbon conversion, Method and apparatus for. L. P. Evans and F. E. Ray. 2,393,893; Jan. 29.
- Hydrocarbon conversion, Method and apparatus for. L. P. Evans. 2,412,135; Dec. 3.
- Hydrocarbon conversion, Method and apparatus for. L. P. Evans and F. E. Ray. 2,412,136; Dec. 3.
- Hydrocarbon conversion, Nondestructive. F. C. Neuhaert. 2,405,097; July 30.
- Hydrocarbons, Conversion of. L. A. Mekler. 2,408,943; Oct. 8.
- Hydrocarbon conversion process. E. Gorin. 2,407,828; Sept. 17.
- Hydrocarbon conversion process. D. Read, Jr. 2,408,580; Oct. 1.
- Hydrocarbon conversion process. W. A. Schulze. 2,398,674; Apr. 16.
- Hydrocarbon conversion system. B. L. Evering and E. L. d'Ouville. 2,400,922; May 28.
- Hydrocarbon cracking process with successive additions of adsorbent. A. D. Smith. 2,408,584; Oct. 1.
- Hydrocarbon dehydrogenation and hydrogenation process, Combination. A. S. Ramage. 2,409,587; Oct. 15.
- Hydrocarbon fluid, Treating. P. E. Kuhl and R. M. Shepardon. 2,405,950; Aug. 20.
- Hydrocarbon fluids, Treating. H. Z. Martin. 2,396,109; Mar. 5.
- Hydrocarbon fluids, Treating. H. Z. Martin. 2,399,050; Apr. 23.
- Hydrocarbon fluids, Treating. J. C. Munday. 2,412,645; Dec. 17.
- Hydrocarbon from a mixture containing other hydrocarbons, Extracting an aromatic. B. S. Friedman. 2,403,972; July 16.
- Hydrocarbon gases, Treatment of. J. G. Alther. 2,400,621; May 21.
- Hydrocarbon isomerization. R. W. Henry. 2,400,090; May 14.
- Hydrocarbon, Isomerization of. G. Egloff. 2,402,807; June 25.
- Hydrocarbon isomerization process. C. O. Tongberg. 2,403,314; July 2.
- Hydrocarbon liquid, Conversion of heavy. E. Hene. 2,412,983; Dec. 24.
- Hydrocarbon material, Concentrating unsaturated. F. W. Breuer. 2,395,957; Mar. 5.
- Hydrocarbon material with an alkali or alkaline earth metal, Refining unsaturated. F. J. Soday. 2,413,254; Dec. 24.
- Hydrocarbon materials, Treatment of aromatic. M. P. Matuszak. 2,408,173; Sept. 24.
- Hydrocarbon mixture, Chlorination of. C. M. Hull and E. L. d'Ouville. 2,403,179; July 2.
- Hydrocarbon mixtures, catalytic reforming of. A. C. Byrns. 2,393,288; Jan. 22.
- Hydrocarbon mixtures containing same, Recovery of olefins and/or diolefins from. N. K. Chaney. 2,395,954; Mar. 5.
- Hydrocarbon mixtures, Separation of olefins and/or diolefins from. F. J. Soday. 2,395,955; Mar. 5.
- Hydrocarbon mixtures, Solvent extraction of unsaturated. C. A. Coghlan. 2,411,025; Nov. 12.
- Hydrocarbon oil, Conversion of. E. C. Lee and C. L. Thomas. 2,406,613-14; Aug. 27.
- Hydrocarbon oils, Catalytic cracking of. C. L. Brown. 2,412,368; Dec. 17.
- Hydrocarbon oils, Catalytic treatment of. R. M. Cole. 2,406,200; Aug. 20.
- Hydrocarbon oils, Conversion of. L. E. Carlsmith. 2,391,944; Jan. 1.
- Hydrocarbon oils, Conversion of. G. C. Connolly. 2,398,773; Apr. 23.
- Hydrocarbon oils, Conversion of. S. H. Hulse. 2,402,893; June 25.
- Hydrocarbon oils, Conversion of. C. E. Jahng. 2,407,371; Sept. 10.
- Hydrocarbon oils, Conversion of. H. Z. Martin. 2,406,555; Aug. 27.
- Hydrocarbon oils, Cracking and coking. J. M. Barron. 2,406,312; Aug. 27.
- Hydrocarbon oils, Cracking and coking of. J. M. Barron. 2,406,313; Aug. 27.
- Hydrocarbon oils, Cracking of. C. W. Tyson. 2,411,603; Nov. 26.
- Hydrocarbon oils, Desalting of. N. L. Dickinson. 2,406,748; Sept. 3.
- Hydrocarbon oils, Desulfurization of. E. W. S. Nicholson and A. K. Redcay. 2,409,690; Oct. 22.
- Hydrocarbon oils, Refining of low-grade. E. H. Records. 2,412,427; Dec. 10.
- Hydrocarbon products, Production of unsaturated. F. S. Koetler, V. M. Wilson, and H. I. du Pont. 2,410,839; Nov. 12.
- Hydrocarbon reconstruction. F. E. Frey. 2,403,649; July 9.
- Hydrocarbon softened olefinic polymer. I. E. Lighthown and N. S. Beekley, Jr. 2,392,855; Jan. 15.
- Hydrocarbon-substituted polysiloxane resin compositions containing lead monoxide, Curing. A. L. Jenny. 2,410,737; Nov. 5.
- Hydrocarbon sulfonates, Production of aliphatic. R. C. Taylor. 2,413,199; Dec. 24.
- Hydrocarbon waxes, Refining of petroleum. A. Kinsel. 2,392,853; Jan. 15.
- Hydrocarbonaceous solids, Treatment of. R. B. Day. 2,406,810; Sept. 3.
- Hydrocarbons, Alkylating aromatic. R. E. Burk and E. C. Hughes. 2,399,662; May 7.
- Hydrocarbons, Alkylation of. L. A. Clarke. 2,402,126; June 18.
- Hydrocarbons, Alkylation of. L. A. Clarke. 2,407,136-7; Sept. 3.
- Hydrocarbons, Alkylation of. L. A. Clarke. 2,409,544; Oct. 15.
- Hydrocarbons, Alkylation of. J. D. Danforth. 2,410,151; Oct. 29.
- Hydrocarbons, Alkylation of. G. B. Hatch, E. F. Pevere, L. A. Clarke, and F. H. Bruner. 2,413,105; Dec. 24.
- Hydrocarbons, Alkylation of. E. F. Pevere, L. A. Clarke, and G. B. Hatch. 2,396,198; Mar. 5.
- Hydrocarbons, Alkylation of. L. Schmerling and V. N. Ipatief. 2,404,536; July 23.
- Hydrocarbons, Alkylation of. E. W. Thiele. 2,398,869; Apr. 23.
- Hydrocarbons, Alkylation of aromatic. E. F. Bullard, J. Anderson, and S. H. McAllister. 2,405,874; Aug. 13.
- Hydrocarbons, Alkylation of aromatic. R. E. Schaad. 2,412,229-30; Dec. 10.
- Hydrocarbons, Alkylation of isoparaffinic. C. B. Linn. 2,398,905; Apr. 23.
- Hydrocarbons, Alkylation of isoparaffinic. C. B. Linn. 2,406,066; Aug. 20.
- Hydrocarbons, Alkylation of isoparaffinic. C. B. Linn. 2,406,954; Sept. 3.
- Hydrocarbons, Alkylation of paraffin. A. V. Grosse and C. B. Linn. 2,396,844; Mar. 19.
- Hydrocarbons, Alkylation of paraffin. A. V. Grosse and C. B. Linn. 2,411,392; Dec. 3.
- Hydrocarbons, Alkylation of paraffin. H. C. Mayland. 2,404,393; July 23.
- Hydrocarbons, Aromatizing. C. H. Holder and A. B. Welty, Jr. 2,392,738; Jan. 8.
- Hydrocarbons at high rates of heat input, Conversion of. F. Siecke. 2,406,640; Aug. 27.
- Hydrocarbons, Averaging. R. E. Burk. 2,405,996; Aug. 20.
- Hydrocarbons by distillation, Separation of. G. R. Lake. 2,406,695; Aug. 27.
- Hydrocarbons by gel-type catalysts, Catalysis. R. E. Burk and E. C. Hughes. 2,412,600; Dec. 17.
- Hydrocarbons by reacting an alkyl aluminum halide with an aliphatic halide, Synthesis of paraffinic. R. T. Sanderson. 2,404,599; July 23.
- Hydrocarbons, Catalytic conversion of. H. V. Atwell and H. L. Gross. 2,408,186; Sept. 24.
- Hydrocarbons, Catalytic conversion of. S. C. Carney. 2,408,294; Sept. 24.
- Hydrocarbons, Catalytic conversion of. C. G. Gerhold and J. E. Burgess. 2,409,751; Oct. 22.
- Hydrocarbons, Catalytic conversion of. N. B. Haskell. 2,406,681; Aug. 27.
- Hydrocarbons, Catalytic conversion of. M. M. Marisic. 2,400,465; May 14.

- Hydrocarbons, Catalytic conversion of. E. F. Pevere. 2,411,054; Nov. 12.
- Hydrocarbons, Catalytic conversion of. L. P. Scoville and J. A. Davies. 2,396,723; Mar. 19.
- Hydrocarbons, Catalytic conversion of. P. L. Veltman. 2,406,721; Aug. 27.
- Hydrocarbons, Catalytic dehydrogenation of. K. K. Kearby. Re. 22,800; Oct. 8.
- Hydrocarbons, Catalytic polymerization of unsaturated. F. J. Soday. 2,394,641; Feb. 12.
- Hydrocarbons, Catalytic treatment of. H. R. Warrick. 2,413,271; Dec. 24.
- Hydrocarbons, Chlorination of saturated. F. M. Archibald and H. O. Mottern. 2,393,509; Jan. 22.
- Hydrocarbons, Conversion of. G. B. Arnold. 2,400,732; May 21.
- Hydrocarbons, Conversion of. R. T. Bell, H. O. Folkins, and C. M. Thacker. 2,394,654; Feb. 12.
- Hydrocarbons, Conversion of. R. T. Bell, H. O. Folkins, and C. M. Thacker. 2,397,638; Apr. 2.
- Hydrocarbons, Conversion of. W. S. Bonnell and W. W. Weinrich. 2,399,093; Apr. 23.
- Hydrocarbons, Conversion of. L. W. Cook. 2,398,819; Apr. 23.
- Hydrocarbons, Conversion of. R. B. Day. 2,403,342; July 2.
- Hydrocarbons, Conversion of. H. O. Folkins. 2,399,174; Apr. 30.
- Hydrocarbons, Conversion of. F. E. Frey. 2,411,256; Nov. 19.
- Hydrocarbons, Conversion of. C. J. Giuliani and C. H. Angell. 2,409,353; Oct. 15.
- Hydrocarbons, Conversions of. V. Haensel and V. N. Ipatieff. 2,399,224; Apr. 30.
- Hydrocarbons, Conversion of. J. M. Mavity. 2,406,622; Aug. 27.
- Hydrocarbons, Conversion of. F. J. Moore. 2,402,830; June 25.
- Hydrocarbons, Conversion of. A. G. Peterkin. 2,396,285; Mar. 12.
- Hydrocarbons, Conversion of. J. F. Sturgeon. 2,397,218; Mar. 26.
- Hydrocarbons, Conversion of. R. B. Thompson. 2,404,934; July 30.
- Hydrocarbons, Conversion of alkylated aromatic. A. P. Lien and B. H. Shoemaker. 2,397,495; Apr. 2.
- Hydrocarbons, Conversion of fluid. C. H. Angell. 2,398,759; Apr. 23.
- Hydrocarbons, Conversion of naphthene. R. F. Marschner. 2,396,331; Mar. 12.
- Hydrocarbons, Conversion of normally gaseous. E. Gorin. 2,396,697; Mar. 19.
- Hydrocarbons, Converting. A. V. Danner. 2,407,817; Sept. 17.
- Hydrocarbons, Converting. H. O. Folkins and C. M. Thacker. 2,411,200; Nov. 19.
- Hydrocarbons, Copolymers of chlorotrifluoroethylene and olefin. W. E. Hanford. 2,392,378; Jan. 8.
- Hydrocarbons, Dehydrogenating. A. Voorhies, Jr. 2,408,131; Sept. 24.
- Hydrocarbons, Dehydrogenation of. R. C. Archibald. 2,394,739; Feb. 12.
- Hydrocarbons, Dehydrogenation of. K. K. Kearby. 2,395,875; Mar. 5.
- Hydrocarbons, Dehydrogenation of. K. K. Kearby. 2,407,373; Sept. 10.
- Hydrocarbons, Dehydrogenation of. K. K. Kearby. 2,408,146; Sept. 24.
- Hydrocarbons, Dehydrogenation of. W. A. Schulze and J. C. Hillyer. 2,395,016; Feb. 19.
- Hydrocarbons, Destructive hydrogenation of polycyclic. V. N. Ipatieff and H. Pines. 2,394,691; Feb. 12.
- Hydrocarbons, Desulphurization of aromatic. R. M. Cole. 2,394,751; Feb. 12.
- Hydrocarbons, Desulphurizing. G. R. Lake. 2,405,258; Aug. 6.
- Hydrocarbons from a sludge, Recovery of. H. S. Bloch. 2,413,310; Dec. 31.
- Hydrocarbons from gases, Recovering volatile. F. G. Noble. 2,409,691; Oct. 22.
- Hydrocarbons from hydrocarbon mixture, Preparation of aromatic. E. A. Naragon. 2,404,591; July 23.
- Hydrocarbons from hydrocarbon mixtures, Separation of aromatic. G. B. Arnold. 2,400,802; May 21.
- Hydrocarbons from hydrocarbon mixtures, Separation of aromatic. H. V. Atwell and Du B. Eastman. 2,403,485; July 9.
- Hydrocarbons from mixtures containing same, Recovery of unsaturated. F. J. Soday. 2,395,956; Mar. 5.
- Hydrocarbons from water miscible liquids by distillation and washing, Separation of. W. H. Rupp and R. O. Wright. 2,411,808; Nov. 26.
- Hydrocarbons, Halogenation of aromatic. A. S. Brunjes and M. J. P. Bogart. 2,395,777; Feb. 26.
- Hydrocarbons, Hydrogenation of. N. F. Linn. 2,392,750; Jan. 8.
- Hydrocarbons, Hydroxylation of aromatic. N. A. Milas. 2,395,638; Feb. 26.
- Hydrocarbons into organic sulphur compounds, Converting. C. M. Thacker. 2,411,236; Nov. 19.
- Hydrocarbons, Isomerization of. J. O. Iverson. 2,402,817; June 25.
- Hydrocarbons, Isomerization of. J. O. Iverson. 2,404,499; July 23.
- Hydrocarbons, Isomerization of. J. W. Loy. 2,403,811; July 9.
- Hydrocarbons, Isomerization of. N. E. Peery. 2,394,803; Feb. 12.
- Hydrocarbons, Isomerization of low-boiling saturated. J. P. Jones. 2,403,181; July 2.
- Hydrocarbons, Isomerization of paraffinic. U. Tsao. 2,400,669; May 21.
- Hydrocarbons, Isomerization of saturated. J. D. Danforth. 2,412,875; Dec. 17.
- Hydrocarbons, Isomerization of saturated. E. R. Kanhofer. 2,394,694; Feb. 12.
- Hydrocarbons, Isomerization of saturated. H. Pines. 2,405,516; Aug. 6.
- Hydrocarbons, Isomerization of saturated. H. Pines. 2,406,967; Sept. 3.
- Hydrocarbons, Isomerization of saturated. H. Pines and R. C. Wachter. 2,406,633-4; Aug. 27.
- Hydrocarbons, Isomerization of saturated. I. L. Wolk. 2,405,386; Aug. 6.
- Hydrocarbons, Isomerization of unsaturated. J. O. Iverson. 2,402,818; June 25.
- Hydrocarbons, Isomerizing. H. A. Cheney and F. M. McMillan. 2,394,898; Feb. 12.
- Hydrocarbons, Isomerizing. C. C. Crawford and W. E. Ross. 2,394,752; Feb. 12.
- Hydrocarbons, Isomerizing. C. C. Crawford and D. L. Yabroff. 2,404,436; July 23.
- Hydrocarbons, Isomerizing. M. Neuhaus. 2,404,649; July 23.
- Hydrocarbons, Isomerizing. W. E. Ross and G. J. Carlson. 2,411,835; Nov. 26.
- Hydrocarbons, Isomerizing. H. R. Warrick. 2,402,858; June 25.
- Hydrocarbons, Manufacture of. L. Schmerling. 2,406,110; Aug. 20.
- Hydrocarbons, Manufacture of. C. L. Thomas. 2,406,864; Sept. 3.
- Hydrocarbons, Manufacture of aromatic. G. B. Arnold. 2,399,780; May 7.
- Hydrocarbons, Manufacture of arylalkene. L. Schmerling and V. N. Ipatieff. 2,404,653; July 23.
- Hydrocarbons, Manufacture of gasoline. L. A. Clarke. 2,401,859; June 11.
- Hydrocarbons, Manufacture of gasoline. W. F. Claussen. 2,400,075; May 14.
- Hydrocarbons, Manufacture of halogenated. D. G. Jones and M. Phillipson. 2,407,701; Sept. 17.
- Hydrocarbons, Manufacture of high anti-knock. A. R. Goldsby. Re. 22,786; Sept. 3.
- Hydrocarbons, Methylation of olefinic. F. F. Rust and W. E. Vaughan. 2,396,206; Mar. 5.
- Hydrocarbons, Polymerization of. J. D. Grenko and L. R. Strawn. 2,404,628; July 23.
- Hydrocarbons, Polymerization of. C. J. Randolph, Jr., and N. B. Haskell. 2,392,000; Jan. 1.
- Hydrocarbons, Polymerization of. E. Rosen and E. and O. C. Slotterbeck. 2,396,753; Mar. 19.
- Hydrocarbons, Preferential absorption of. M. R. Arnold. 2,395,529; Feb. 26.
- Hydrocarbons, Preparation of branched chain. R. E. Burk. 2,408,752; Oct. 8.
- Hydrocarbons, Preparing branch chain. W. R. Smith and A. R. Goldsby. 2,398,563; Apr. 16.
- Hydrocarbons, Producing olefinic. A. W. Horton and J. Kellett, III. 2,406,688; Aug. 27.
- Hydrocarbons, Production of. J. Anderson and R. C. Casner. 2,395,775; Feb. 26.
- Hydrocarbons, Production of aromatic. R. Holroyd and D. H. P. Peel. 2,411,726; Nov. 26.
- Hydrocarbons, Production of aromatic. J. A. Tilton. 2,396,761; Mar. 19.
- Hydrocarbons, Production of branched chain. W. E. Ross. 2,394,810; Feb. 12.
- Hydrocarbons, Production of branched chain paraffinic. L. Schmerling. 2,413,384; Dec. 31.
- Hydrocarbons, Production of motor-fuel. F. E. Frey. 2,404,483; July 23.
- Hydrocarbons, Prospecting for. F. W. Crawford. 2,398,580; Apr. 16.
- Hydrocarbons, Recovery of. E. Buddard and S. C. Carney. 2,412,765; Dec. 17.
- Hydrocarbons, Recovery of valuable. A. L. Ward. 2,397,580; Apr. 2.
- Hydrocarbons, Refining. Du B. Eastman. 2,395,806; Mar. 5.
- Hydrocarbons, Separating. T. A. Petry and H. K. Holm. 2,400,654; May 21.
- Hydrocarbons, Separating. C. E. Welling. 2,392,277; Jan. 1.
- Hydrocarbons, Separating aromatic. E. L. Durrum. 2,407,830; Sept. 17.
- Hydrocarbons, Separation of. K. H. Hachmuth. 2,411,264; Nov. 19.
- Hydrocarbons, Separation of. M. R. Lipkin. 2,398,101; Apr. 9.
- Hydrocarbons, Separation of. C. E. Welling. 2,395,362; Feb. 19.

- Hydrocarbons, Stabilization of petroleum. C. J. Pedersen and R. O. Bender. 2,401,957; June 11.
- Hydrocarbons suitable for motor fuels, Manufacture of liquid. J. R. Rose. 2,412,837; Dec. 17.
- Hydrocarbons, Synthesis of. E. W. M. Fawcett and G. I. Jenkins. 2,405,565; Aug. 13.
- Hydrocarbons, Thermally reacting. F. E. Frey, H. J. Hepp, and G. H. Morey. 2,401,922; June 11.
- Hydrocarbons, Treating. O. L. Davis, and A. C. Nixon. 2,411,083; Nov. 12.
- Hydrocarbons, Treating. T. F. Doumani and C. H. O. Berg. 2,394,849; Feb. 12.
- Hydrocarbons, Treating. A. C. Nixon and D. L. Yabroff. 2,411,105; Nov. 12.
- Hydrocarbons, Treating. W. W. Odell. 2,412,096; Dec. 3.
- Hydrocarbons, Treating. J. R. Schonberg and H. J. Moyer. 2,392,773; Jan. 8.
- Hydrocarbons, Treating. I. L. Wolk. 2,407,861; Sept. 17.
- Hydrocarbons, Treatment of. S. S. Allender. 2,392,896; Jan. 15.
- Hydrocarbons, Treatment of. R. E. Burk. 2,408,753; Oct. 8.
- Hydrocarbons, Treatment of. J. R. Fleming. 2,393,895; Jan. 29.
- Hydrocarbons, Treatment of. F. E. Frey. 2,403,714; July 9.
- Hydrocarbons, Treatment of. A. V. Grosse and C. B. Linn. 2,392,915; Jan. 15.
- Hydrocarbons, Treatment of. A. V. Grosse and W. J. Mattox. 2,394,170; Feb. 5.
- Hydrocarbons, Treatment of. H. R. Legatski. 2,410,223; Oct. 29.
- Hydrocarbons, Treatment of. H. Pines and H. S. Bloch. 2,408,950; Oct. 8.
- Hydrocarbons, Treatment of. L. Schermerling and V. N. Ipatief. 2,404,537; July 23.
- Hydrocarbons, Treatment of. W. A. Schulze and G. H. Short. 2,398,468; Apr. 16.
- Hydrocarbons, Treatment of. C. L. Thomas and V. Haensel. 2,410,111; Oct. 29.
- Hydrocarbons, Treatment of. R. B. Thompson and J. A. Chenelek. 2,397,820; Apr. 2.
- Hydrocarbons, Treatment of. J. D. Upham. 2,404,551; July 23.
- Hydrocarbons, Treatment of. D. C. Walsh, Jr., and E. Q. Camp. 2,397,224; Mar. 26.
- Hydrocarbons, Treatment of aromatic. L. Schermerling and A. M. Durlinski. 2,402,092; June 11.
- Hydrocarbons, Utilization of. M. S. Taggart, Jr. 2,396,900; Mar. 19.
- Hydrocarbons with acid-acting metallic halides, Refining of. E. J. Soday. 2,413,260; Dec. 24.
- Hydrocarbons with suspended catalysts, Conversion of. E. A. Johnson. 2,393,636; Jan. 29.
- Hydrochloride compositions, Rubber. J. P. Chittum and C. E. Hulse. 2,405,343; Aug. 6.
- Hydrochloride, Direct production of rubber. H. F. Reeves, Jr., and T. M. Andrews. 2,393,870; Jan. 29.
- Hydrochloride, Vulcanized rubber. H. F. Reeves, Jr., and T. M. Andrews. 2,393,871; Jan. 29.
- Hydrogels, Drying of. K. F. Hayden, P. D. Valas, and H. G. Daley. 2,397,350; Mar. 26.
- Hydrogen chloride manufacture. R. B. Mason and J. A. Pierce. 2,403,735; July 9.
- Hydrogen cyanide with carboxylic acid esters of alpha, beta-unsaturated alcohols, Reaction of. E. K. Ellingboe. 2,397,341; Mar. 26.
- Hydrogen fluoride alkylation of paraffins. J. C. Bolinger. A. K. Brumbaugh, and J. H. Curtis. 2,400,386; May 14.
- Hydrogen fluoride alkylation process. J. O. Iverson. 2,408,933; Oct. 8.
- Hydrogen fluoride, Recovery of. L. S. Kassel. 2,392,048; July 1.
- Hydrogen halide recovery. L. S. Kassel. 2,392,047; Jan. 1.
- Hydrogen halide, Recovery of. A. J. Shmidl. 2,397,760; Apr. 2.
- Hydrogen halide, Recovery of. E. F. Wadley. 2,397,769; Apr. 2.
- Hydrogen halides from gaseous, Recovery of. E. F. Wadley. 2,397,768; Apr. 2.
- Hydrogen halides from hydrocarbon conversion products, Removal of. G. B. Zimmerman. 2,401,678; June 4.
- Hydrogen in submarine atmospheres, Detecting free. J. D. Morgan and A. P. Sullivan. 2,412,827; Dec. 17.
- Hydrogen sulfide determination, Method and apparatus for. W. E. Stackhouse. 2,413,261; Dec. 24.
- Hydrogen sulphide from gas streams, Removal of. R. E. Reitmeyer. 2,405,672; Aug. 13.
- Hydrogenation catalysts and preparation. F. K. Signaigo. 2,402,683-4; June 25.
- Hydrogenation of halogenosilanes. D. T. Hurd. 2,406,605; Aug. 27.
- Hydrogenation process. B. S. Greensfelder and W. H. Peterson. 2,402,493; June 18.
- Hydrolysate-neutralization process. P. D. V. Manning. 2,405,223; Aug. 6.
- Hydrolysis of aliphatic sulphonyl chlorides. T. E. Dillon. 2,408,300; Sept. 24.
- Hydrolysis of halogen containing compounds. R. M. Joyce, Jr. 2,398,430; Apr. 16.
- Hydrolyzed polymers. J. R. Roland, Jr. 2,399,653; May 7.
- Hydromechanical gear, Combined. H. Benz and F. Kugel. 2,392,520; Jan. 8.
- Hydramonic machine. W. Ferris and A. R. Grad. 2,406,138; Aug. 20.
- Hydroperoxides, Production of organic. W. E. Vaughan and F. F. Rust. 2,403,772; July 9.
- Hydrophilic material and product, Treatment of. R. C. Nelson. 2,412,282; Dec. 10.
- Hygroscopic inorganic compounds, Crystallizing. V. R. Kokatnur. 2,394,244; Feb. 5.
- Hygroscopic material dispenser. W. F. Gallagher. 2,408,058; Sept. 24.
- Hydroxyacetylated drastically-oxidized ricinoleic acid compounds and making same. M. De Groot, B. Kelsor, and A. F. Wirtel. 2,406,206; Aug. 20.
- Hydroxy acids, Manufacture of. K. H. W. Tuerck and H. J. Lichtenstein. 2,411,700; Nov. 26.
- Hydroxyarylamino triazines, Preparing. G. F. D'Alleio. 2,393,765; Jan. 29.
- Hydroxy-dl-(dihydro-nondicyclopentadiene). H. A. Brunsen. 2,404,787; July 30.
- Hydroxylated cyclopentano polyhydrophenanthrene compounds and making the same. H. H. Inhoffen. 2,409,043; Oct. 8.
- Hydroxylating pot type burner. B. Hayter. 2,405,212; Aug. 6.
- Hydroxy-pyridine derivatives. M. Hoffer. 2,400,045; May 7.
- Hydrometric needle case. H. L. Swan. 2,400,722; May 21.
- I-beam, Reinforced. M. and L. S. Lachman. 2,392,674; Jan. 8.
- Ice cream and making same, Distinctively appearing. N. J. Russell. 2,392,698; Jan. 8.
- Ice-cream compositions, Stabilizing. S. Musher. 2,395,061; Feb. 19.
- Ice cream machine. F. Thomas. 2,402,931; June 25.
- Ice cream mix and the production thereof. H. E. Moore. 2,398,950; Apr. 23.
- Ice creeper. M. L. Georgopoulos. 2,406,074; Aug. 20.
- Ice cube manufacturing apparatus. A. D. Smith. 2,403,406; July 2.
- Ice cutter. M. Sveda. 2,397,571; Apr. 2.
- Ice, Making. P. W. West. 2,394,647; Feb. 12.
- Ice-making machine. W. P. Gruner. 2,397,347; Mar. 26.
- Ice manufacture. A. D. Smith. 2,405,272; Aug. 6.
- Ice manufacturing apparatus. A. D. Smith. 2,405,273; Aug. 6.
- Ice removing device for aircraft. D. C. Hubbard. 2,393,635; Jan. 29.
- Ice tray and cube release, Pneumatic. L. L. Mallard. 2,404,972; July 30.
- Identification device. C. H. Myers. 2,400,313; May 14.
- Identification system, Party line. R. B. Hersey. 2,401,362; June 4.
- Identifier and celestial calculator, Star. F. H. Hagner. 2,397,002; Mar. 19.
- Identifier, Star. L. Wolfe. 2,402,194; June 18.
- Idler, Self-aligning belt. G. F. Dodge. 2,399,913; May 7.
- Idling mechanism for welding apparatus. E. A. Hobart. 2,396,176; Mar. 5.
- Igniter, Electric. A. Melniczak. 2,396,591; Mar. 12.
- Igniter for gaseous fuels, Catalytic. R. S. Taylor. 2,407,729; Sept. 17.
- Igniter for internal-combustion engines. E. D. Chaplin. 2,407,474; Sept. 10.
- Igniter of blasting detonators against accidental firing, Safeguarding electric. H. J. Rolfe. 2,408,124-5; Sept. 24.
- Igniter, Smoke pot. L. A. Burrows and G. A. Noddin. 2,403,907; July 16.
- Igniting composition. L. F. Andrieth. 2,410,801; Nov. 12.
- Ignition apparatus. W. J. Spengler. 2,412,102; Dec. 3.
- Ignition apparatus for internal-combustion engines. W. Ochsenfeld. 2,412,690; Dec. 17.
- Ignition control means, Engine. D. S. Hersey. 2,401,563; June 4.
- Ignition device. F. O. Hess, L. F. Miller, and K. L. Dietrich, Jr. 2,404,841; July 30.
- Ignition device. E. H. Shannon. 2,412,655; Dec. 17.
- Ignition distributor. F. S. Coe. 2,395,611; Feb. 26.
- Ignition furnace. E. W. Shalloek. 2,409,072; Oct. 8.
- Ignition harness, Coupling for radio shielded. D. Ingalls. 2,402,050; June 11.
- Ignition means. J. R. Frei. 2,391,958; Jan. 1.
- Ignition or firing mechanism. J. W. Van Karner. 2,396,064; Mar. 5.
- Ignition spark gap device. A. W. Robinson, Jr. 2,404,658; July 23.
- Ignition system, Ultra high frequency. F. K. Rettenmeyer. 2,408,881; Oct. 8.
- Ignition switch. O. H. Hasselbaum. 2,396,372; Mar. 12.
- Ignition system. W. E. Berkey, A. E. Hershey, and R. Lamphere. 2,403,629; July 9.
- Ignition system. W. W. Rittel. 2,402,539; June 25.
- Ignition system. J. R. Harkness. 2,394,768; Feb. 12.
- Ignition system. J. R. Harkness. 2,398,635; Apr. 16.
- Ignition system. W. J. Morrill. 2,401,175; May 28.

- Ignition system. A. W. Robinson. 2,392,192; Jan. 1.
Ignition system. W. E. Sargeant. 2,392,066; Jan. 1.
Ignition system. M. T. Wintsch. 2,394,350; Feb. 5.
Ignition system for internal-combustion engines, Pressure. M. Mallory. 2,392,880; Jan. 8.
Ignition unit. M. O. Marsh. 2,392,171; Jan. 1.
Ignition unit, Emergency. A. V. Sellaro. 2,412,540; Dec. 10.
Ignitor for mercury-pool tubes. K. J. Germeshausen. 2,398,422; Apr. 16.
Ignitrons, Firing circuit for. W. E. Pakala. 2,401,013; May 28.
Illuminated display case. P. H. James. Re. 22,733; Mar. 26.
Illuminated handbag latch. H. Berman. 2,400,974; May 28.
Illuminated sign. T. F. McFall. 2,405,266; Aug. 6.
Illuminating apparatus. G. S. Merrill. 2,408,471; Oct. 1.
Illuminating arrangement, Automobile. A. A. Gonzalez. 2,403,856; July 9.
Illuminating device. J. R. Gorder. 2,407,829; Sept. 17.
Illuminating device. I. B. Polevitzky. 2,405,518; Aug. 6.
Illuminating means for indicating instruments. G. V. Rylsky. 2,413,381; Dec. 31.
Illuminating unit for optical projectors. R. S. Wilder. 2,409,328; Oct. 15.
Illumination, Polarized. A. M. Marks. 2,402,176; June 18.
Image dissector tube. C. E. Hallmark. 2,412,086; Dec. 3.
Image formation, Securing improvements in. E. Venniger-holz. 2,402,216; June 18.
Image, Intensification of the latent. F. W. H. Mueller and J. E. Bates. 2,403,428; July 2.
Image intensifier. R. H. Varian. 2,410,115; Oct. 29.
Image production, Television. G. K. Teal. 2,408,108; Sept. 24.
Image translating apparatus. L. M. Potts. 2,402,771; June 25.
Images of dichroic materials, Forming. W. H. Ryan, A. Barnes, and H. P. Husek. 2,409,959; Oct. 22.
Images of heat-radiating objects, System for forming. J. Evans. 2,403,066; July 2.
Imidazoles, Substituted. L. P. Kyrides. 2,404,299-300; July 16.
Imino-di-fatty acid amine. H. Martin and H. Gysin. 2,411,662; Nov. 26.
Impact clutch. C. E. Fitch. 2,396,498; Mar. 12.
Impact dampener. D. E. Carter. 2,393,750; Jan. 29.
Impact testing apparatus. V. C. Taxwood. 2,396,620; Mar. 12.
Impact wrench. C. W. Porter. 2,399,251; Apr. 30.
Impactor. J. E. Stine and G. W. Borton. 2,411,302; Nov. 19.
Impedance and reflection coefficients of surfaces, Measuring. W. P. Mason. 2,394,461; Feb. 5.
Impedance switching device. M. E. Hieble. 2,395,870; Mar. 5.
Impeller. C. E. Wuensch. 2,404,678; July 23.
Impeller mounting. R. D. Schott. 2,407,348; Sept. 10.
Impelling device, Ball. L. A. Smith. 2,399,711; May 7.
Implement, Abrading and polishing. K. C. Guiden. 2,403,434; July 9.
Implement, Agricultural. G. M. Bounphrey. 2,403,209; July 2.
Implement, Agricultural. W. S. Graham. 2,403,360; July 2.
Implement, Agricultural. A. P. McKay. 2,398,147; Apr. 9.
Implement, Clamping. H. T. Jones. 2,403,180; July 2.
Implement, Culinary. A. E. Hindle and F. Nichols. 2,397,665; Apr. 2.
Implement, Cultivating. D. L. Hill. 2,405,053; Aug. 6.
Implement, Farming. O. D. Lutes. 2,391,910; Jan. 1.
Implement for disposing chinch bug barrier around planted fields. H. F. Millard. 2,393,395; Jan. 22.
Implement for soil preparation. D. L. Hill. 2,394,771; Feb. 12.
Implement, Lumber splicing. H. H. Bakken. 2,392,898; Jan. 15.
Implement or machine for hoeing. D. R. Bomford. 2,413,429; Dec. 31.
Implement, Orthodontic. E. R. Strayer. 2,396,619; Mar. 12.
Implement, Tenderizing. W. E. Fleming. 2,392,036; Jan. 1.
Implement, Tractor mounted. A. G. Evans. 2,395,322; Feb. 19.
Impregnated composite board. B. M. Randall. 2,412,534; Dec. 10.
Impregnating strip stock, Method and apparatus for. C. A. Mann. 2,405,221; Aug. 6.
Impression materials. H. van B. Joy. 2,397,145; Mar. 26.
Impression member, Flexible. E. A. Sprigg. 2,402,706; June 25.
Imprinting apparatus. A. W. Metzner and A. A. Goperton. 2,393,651; Jan. 29.
Imprinting device, Foot. R. W. Bergman. 2,413,403; Dec. 31.
Improved manufacture of methyl acrylate by the thermal decomposition of methyl alpha-acetoxypropionate. W. P. Ratford and C. H. Fisher. 2,408,177; Sept. 24.
Impulse emitter. R. E. Mumma. 2,403,873; July 9.
Impulse generator. A. A. Hanson. 2,401,347; June 4.
Impulse generator. W. D. Hershberger. 2,401,423-4; June 4.
Impulse generator. A. A. Varela. 2,408,824; Oct. 8.
Impulse pumping system. G. E. Clancy. 2,400,290; May 14.
Impulse system. L. A. Meacham, M. E. Mohr, and C. V. Parker. 2,408,086; Sept. 24.
Impulse system, Radio. N. H. Young, Jr. 2,406,882; Sept. 8.
Impulse transmitting device. H. Hansen and R. F. Malina. 2,395,269; Feb. 19.
Incandescent lamp life, Methods of and apparatus for increasing. D. H. Tuck. 2,407,113; Sept. 3.
Incendiary with high penetrating power. A. Grobstein. 2,403,656; July 9.
Incense dispenser. M. Bravo. 2,409,469; Oct. 15.
Incinerating apparatus. C. W. Nichols. 2,402,436; June 18.
Inclinometer. E. E. Kroll. 2,397,550; Apr. 2.
Indene, Purification of. F. J. Soday. 2,413,253; Dec. 24.
Indenting device. B. N. Engle. 2,407,821; Sept. 17.
Index. C. H. Fahlstedt. 2,401,060; May 28.
Index cards, Perforating device for. J. W. Whitson. 2,402,685; July 2.
Index for lathes, Stop rod. V. von K. Sundt. 2,395,696; Feb. 26.
Index mechanism. J. C. Andersen. 2,392,112; Jan. 1.
Index mechanism, Rotary. R. D. Leonard. 2,407,840; May 14.
Indexing and chucking device. B. F. Bower. 2,404,161; July 16.
Indexing apparatus. C. E. Drake. 2,396,495; Mar. 12.
Indexing means, Sheet. M. A. Embertson. 2,398,294; Apr. 9.
Indexing mechanism. R. E. Bruckner and J. S. Harker. 2,395,803; Mar. 5.
Indexing mechanism. J. Crane. 2,393,294; Jan. 22.
Indexing mechanism. H. C. Poster. 2,404,369; July 23.
Indexing multiposition electric switches. R. H. Bentley. 2,399,906; May 7.
Indicating and control device, Dimension. N. H. Nye. 2,402,293; June 18.
Indicating and insulating means, High voltage current. C. V. Foulds. 2,402,544; June 25.
Indicating and supervisory system, Electrical remote. E. A. H. Bowsher, H. M. D'Assis-Fonseca, and H. J. Ward. 2,408,037; Sept. 24.
Indicating apparatus. T. M. Ferrill, Jr. 2,405,568; Aug. 13.
Indicating apparatus and method. H. W. Schaefer. 2,398,046; Apr. 9.
Indicating device. R. A. Heising. 2,406,016; Aug. 20.
Indicating device, Boiler water line. J. R. Guildford. 2,393,365; Jan. 22.
Indicating device for material treating apparatus. V. Sahmel. 2,405,059; July 30.
Indicating device, Level. E. L. Sinclair and W. A. Hagerbaumer. 2,398,334; Apr. 9.
Indicating device, Visual. W. Leathers. 2,398,015; Apr. 9.
Indicating instrument, Condition responsive. R. I. Bradley. 2,395,718; Feb. 26.
Indicating means for valves. H. M. Reeves. 2,409,796; Oct. 22.
Indicating means, Remote. N. W. Hartz. 2,397,962; Apr. 9.
Indicating mechanism. M. F. Ketay and M. Sherman. 2,409,435; Oct. 15.
Indicating mechanism. L. S. Williams. 2,400,277; May 14.
Indicating mechanism, Work. W. K. Andrew and J. J. Lenert. 2,407,970; Sept. 24.
Indicating square. E. Leszak. 2,397,280; Mar. 26.
Indicating system. J. N. Anderson and R. Hoover. 2,392,355; Jan. 8.
Indicating system. J. H. Foulger and P. E. Smith, Jr. 2,402,749; Oct. 22.
Indicating system. W. M. Kellogg. 2,406,382; Aug. 27.
Indicating system, Electric remote. E. A. H. Bowsher. 2,398,576; Apr. 16.
Indicating system, Electrical. L. Boddy. 2,407,810; Sept. 17.
Indicating system, Electrical position. H. C. Roters. 2,403,152; July 2.
Indicating system, Multiscale instrument. H. C. Morgan. 2,394,196; Feb. 5.
Indicating system, Radio pulse position. I. Wolff and R. S. Holmes. 2,403,626; July 9.
Indicating system, Regenerative. J. A. Rankin. 2,403,755; July 9.
Indication system, Remote. B. A. Lannge. 2,408,660; Oct. 1.
Indication system, Selective. L. Hillman. 2,410,821; Nov. 12.
Indicating the position in space of an object, System for. A. V. Loughren. 2,403,728; July 9.

- Indication for radar, Audible. E. W. Bull. 2,395,363; Feb. 19.
- Indicator: See—
- Aircraft attitude indicator. Material level indicator.
- Airplane turn indicator. Misselction indicator.
- Air-speed indicator. Neon lamp volume indicator.
- Automatic direction indicator. Phase angle indicator.
- Automatic pilot directional turn indicator. Pitch and roll indicator.
- Bowling pin setting indicator. Position indicator.
- Circle indicator. Program change indicator.
- Combustible gas indicator. Pulse-echo distance indicator.
- Damper indicator. Pulse-echo position indicator.
- Direction indicator. Rate of pulse indicator.
- Dive angle indicator. Ratio of rise-dive indicator.
- Drift indicator. Remote indicator.
- Electric air position indicator. Sand expansion indicator.
- Electrical indicator. Short-circuit indicator.
- Electrical registering and position indicator. Slide rule indicator.
- Engine indicator. Speed indicator.
- Fishing rod indicator. Tank-wall temperature indicator.
- Fluid speed indicator. Temperature indicator.
- Flying time indicator. Time indicator.
- Frequency modulation receiver tuning indicator. Turn, bank and climb indicator.
- Furnace heat indicator. Visual position and phase sense indicator.
- Glider location indicator. Weight and balance indicator.
- Headlight indicator. Weight indicator.
- Liquid level indicator. Weight indicator.
- Indicator. C. S. Bednash. 2,401,527; June 4.
- Indicator. J. H. Stroop. 2,393,346; Jan. 22.
- Indicator and checking instrument, Angle. A. A. Studier. 2,406,515; Aug. 27.
- Indicator and electrolyte condenser for storage batteries. Acid level. R. R. and R. T. Franz. 2,400,228; May 14.
- Indicator and regulator, Peak voltage. H. C. Likel. 2,403,988; July 16.
- Indicator assembly. R. E. French. 2,401,682; June 4.
- Indicator for canned goods, Seal leakage. R. N. Shoner. 2,392,773; Jan. 8.
- Indicator for concrete mixers, Mix-consistency. C. I. Bohmer and A. S. Millikin. 2,409,014; Oct. 8.
- Indicator for container, Seal leakage. R. N. Shoner. 2,395,588; Feb. 26.
- Indicator for contour plowing, Level. C. H. Batterman. 2,405,634; Aug. 13.
- Indicator for electrometric micrometers, Electronic null. S. E. Dawson and J. R. Pimlott. 2,393,977; Feb. 5.
- Indicator for frequency modulated radio locator systems. R. C. Sanders, Jr. 2,411,595; Nov. 26.
- Indicator for harbor defense, Plotter. E. W. Springer. 2,406,861; Sept. 3.
- Indicator for pipe lines, Flow. C. V. Greenleaf. 2,409,430; Oct. 15.
- Indicator for radio blind approach systems, Visual. J. D. Weston. 2,410,117; Oct. 29.
- Indicator for storage bins or hoppers, Level. J. A. Pelletre. 2,399,958; Apr. 23.
- Indicator for typewriters, Page end. E. F. Petschauer. 2,404,861; July 30.
- Indicator for valves. C. H. Bassett. 2,407,944; Sept. 17.
- Indicator for vibrating reed type alternators, Frequency. H. V. Rudolph. 2,399,297; Apr. 30.
- Indicator lamp. A. P. Berejko. 2,405,809; Aug. 13.
- Indicator mechanism. J. F. Halstead. 2,396,948; Mar. 19.
- Indicator system, Plan position. H. Goldberg. 2,395,966; Mar. 5.
- Indicator system, Registration. J. A. Kavanagh. 2,412,516; Dec. 10.
- Indicator unit, Electrical. J. M. Schmied. 2,396,538; Mar. 12.
- Indicator with excess counter, Mean-value. P. Heynisch. 2,407,369; Sept. 10.
- Indium, Electrodeposition of. W. M. Martz. 2,409,983; Oct. 22.
- Indole, Preparation of. W. F. Gresham and W. M. Bruner. 2,409,076; Oct. 22.
- Inducing device, Air flow. T. B. Rhines. 2,401,584; June 4.
- Inductance, Adjustable high-frequency. F. Verity, Jr. 2,400,853; May 21.
- Inductance core composition. H. J. Benner and A. M. Hadley. 2,413,098; Dec. 24.
- Inductance device. A. Majlinger and B. E. Stevens. 2,400,559; May 21.
- Inductance device. B. E. Stevens. 2,406,045; Aug. 20.
- Inductance device. C. J. van Loon. 2,406,720; Aug. 27.
- Induction apparatus, Electrical. H. S. Gates. 2,403,072; July 2.
- Induction apparatus, Electrical. J. K. Hodnette. 2,408,211-12; Sept. 24.
- Induction apparatus, Electromagnetic. A. G. Steininger. 2,401,984; June 11.
- Induction heat-treating apparatus. H. E. Somes. 2,411,698; Nov. 26.
- Induction heating. N. B. Stevens. 2,397,629; Apr. 2.
- Induction heating apparatus. R. J. Stanton. 2,394,944; Feb. 12.
- Induction radio system. W. S. Halstead. 2,394,444; Feb. 5.
- Inductive coupling. B. M. Charchian. 2,402,599; June 25.
- Inductive heating apparatus. H. A. Strickland, Jr. 2,400,660; May 21.
- Inductor, Tuned. E. Toth. 2,395,520; Feb. 26.
- Inductor, Ultra high frequency. W. J. Polydoroff. 2,401,882; June 11.
- Insertion safety switch. M. G. Leonard. 2,406,427; Aug. 27.
- Inflatable protective container. R. S. Colley. 2,401,230; May 28.
- Infusion device. W. H. Freygang. 2,399,670; May 7.
- Infusion device. H. E. Helgis. 2,403,436; July 9.
- Infusion apparatus. J. A. and F. M. Varney and G. H. Van Brunt. 2,401,529; June 4.
- Infusion package. Manufacturing. H. O. Irmischer. 2,406,012; Aug. 20.
- Ingot, Cast. A. T. Peters. 2,410,837; Nov. 12.
- Ingot hook. H. F. Stofflet. 2,404,602; July 23.
- Ingot, Casting. G. W. Humes. 2,401,075; May 28.
- Ingot, Casting. F. F. Mumma and A. W. Thornton. 2,402,533; June 25.
- Ingot, Making bimetallic. C. W. Holmquist. 2,398,529; Apr. 16.
- Ingredients for producing high explosives. M. Bonotto. 2,411,143; Nov. 19.
- Indicator. H. L. Apfelbaum. 2,410,798; Nov. 12.
- Inhaler. H. B. Fonda. 2,395,109; Feb. 19.
- Inhaler, Heated nasal. M. A. Rogge. 2,410,903; Nov. 12.
- Inhibiting corrosion of aluminum. E. L. Baldeschwieler and J. C. Zimmer. 2,396,236; Mar. 12.
- Inhibitor. G. C. Ward and B. T. Pull. 2,409,325; Oct. 15.
- Inhibitions of incrustations. G. H. White. 2,394,957; Feb. 12.
- Inhibitor for turbine oil, Rust. H. Schindler. 2,398,120; Apr. 9.
- Inhibitor, Pickling. A. J. Saukatis. 2,408,153; July 2.
- Inhibitors. C. F. Prutton. 2,400,573; May 21.
- Inhibitors, Pickling. W. H. Hill. 2,394,774; Feb. 12.
- Inhibitors, Remarking. A. J. Gracia. 2,410,770; Nov. 5.
- Initiator, Blasting. L. A. Burrows and W. E. Lawson. 2,402,335; June 18.
- Initiator, Electric explosion. D. D. Huyett and W. E. Fletcher. 2,399,034; Apr. 23.
- Injection apparatus and method, Plastic. W. P. Cousino. 2,402,805; June 25.
- Injection apparatus, Fuel. A. T. Bremser. 2,408,288; Sept. 24.
- Injection apparatus, Liquid fuel. R. Miller. 2,401,579; June 4.
- Injection applying device, Hypodermic. E. Müller. 2,410,991; Nov. 12.
- Injection device, Hypodermic. B. J. Goldsmith. 2,403,074; July 2.
- Injection heater. E. G. Lofgren. 2,407,562; Sept. 10.
- Injection in internal-combustion engine, Fuel. G. S. Kammer. 2,407,610; Sept. 10.
- Injection system. D. E. Meitzler. 2,405,043; July 30.
- Injection system for truck type concrete mixers, Water. L. H. Drueger. 2,413,488; Dec. 31.
- Injector. H. G. Doster, R. H. Hanlon, and F. B. Farnsworth. 2,399,794; May 7.
- Injector construction. F. A. Pudge. 2,397,043; Mar. 19.
- Injector for engines, Mechanical vapor fuel. C. A. and V. J. Toce. 2,413,343; Dec. 31.
- Injector for internal-combustion engines, Fuel. G. W. A. Green. 2,395,810; Mar. 5.
- Injector for pipe lines, Steam. J. Bergesen. 2,398,766; Apr. 23.
- Injector, Fuel. H. F. Haines. 2,392,474; Jan. 8.
- Injector, Fuel. B. G. Parsons. 2,405,163; Aug. 6.
- Injector, Fuel. M. C. Watkins. 2,400,965; May 28.
- Injector, Hypodermic. M. L. Lockhart. 2,398,544; Apr. 16.
- Injector, Projectile propelled. W. H. Tinker. 2,397,385; Mar. 26.
- Injector, Rectal lubricating. W. H. Nagle. 2,399,936; May 7.
- Ink container. L. Peters. 2,400,209; May 14.
- Ink, Itaglio. E. D. Lee. 2,409,214; Oct. 15.
- Ink, Lithographic printing. D. J. Bernardi and R. T. Florence. 2,406,795; Sept. 3.
- Ink, Printing. C. W. Aneshausel. 2,404,680; July 23.
- Ink, Printing. J. W. Kroeger and H. F. O'Connor. 2,397,019; Mar. 19.
- Ink, Printing. E. D. Lee. 2,409,215; Oct. 15.
- Ink, Printing. P. Whyzmuzis and H. Linkletter. 2,406,878; Sept. 3.
- Ink toners and carbon inks, Induline. W. F. Goepfert. 2,392,657; Jan. 8.
- Ink toners and carbon inks, Methyl violet. W. F. Goepfert. 2,392,658; Jan. 8.
- Ink well. C. A. Barden. 2,395,030; Feb. 19.
- Inkwell, Nonspillable. J. B. Williams. 2,393,546; Jan. 22.
- Inking device. O. W. Markes. 2,400,938; May 28.
- Inking mechanism. A. Taylor and E. W. Worthington. 2,392,708; Jan. 8.
- Inks, Black printing. W. F. Goepfert. 2,392,376; Jan. 8.
- Inks, Printing. W. L. Jones and E. De Lia. 2,393,637; Jan. 29.

- Inlaying. T. Wainman. 2,398,482; Apr. 16.
Innersole and making the same. F. L. Ayers. 2,398,277; Apr. 9.
Innersole and making the same. F. L. Ayers. 2,398,780; Apr. 23.
Inner soles, Method and apparatus for forming thermo-plastic. C. R. B. High and G. C. T. Lindh. 2,407,495; Sept. 10.
Innersoles, Method of and machine for making. F. L. Ayers. 2,394,740; Feb. 12.
Insect repellent. B. G. Wilkes. 2,407,205; Sept. 3.
Insect repellent composition. A. Dreyling. 2,404,698; July 23.
Insect repellent compositions. H. A. Jones and B. V. Travis. 2,396,012-13; Mar. 5.
Insecticidal and fungicidal compositions. A. D. Ainley and W. H. Davies. 2,395,440; Feb. 26.
Insecticidal compositions. S. I. Gertler. 2,405,743; Aug. 13.
Insecticidal compounds and making same. P. Müller. 2,397,802; Apr. 2.
Insecticides. C. V. Bowen. 2,403,495; July 9.
Insecticide. C. V. Bowen and L. E. Smith. 2,392,455; Jan. 8.
Insecticide. S. I. Gertler and H. L. J. Haller. 2,408,307; Sept. 24.
Insecticide. J. W. Hansen and C. C. Cassil. 2,406,294; Aug. 20.
Insecticide. T. W. Kerr, Jr. 2,402,896; June 25.
Insecticide. B. H. Thurman. 2,407,041; Sept. 3.
Insecticide. C. F. Woodward, F. B. Talley, E. L. Mayer, and E. G. Beinhart. 2,392,961; Jan. 15.
Insecticide and fungicide. W. E. Bradley. 2,405,775; Aug. 13.
Insecticides. K. Folkers, E. Rogers, and R. E. Heal. 2,400,295; May 14.
Insecticides. E. McKim. 2,396,054; Mar. 5.
Insecticides. R. C. Morris, E. C. Shokal, and W. S. Thornhill. 2,393,925; Jan. 29.
Insecticides. C. W. Murray. 2,396,019; Mar. 5.
Insecticides. H. Schotte and R. Ebert. 2,392,067; Jan. 1.
Insert. F. Le B. Lord. 2,403,810; July 9.
Insert. J. Rosan. 2,400,318; May 14.
Insert feeder. E. S. Tascher. 2,394,410; Feb. 5.
Insert for screw-threaded fastenings, Anchorage. W. E. Greene. 2,400,348; May 14.
Insert securing tool. E. Eckener. 2,392,843; Jan. 15.
Inserted blade cutter. F. P. Miller. 2,395,287-8; Feb. 19.
Inserted tooth milling cutter. E. O. Lowell. 2,408,787; Oct. 8.
Inserted tooth tool. W. Slater. 2,407,519; Sept. 10.
Inserting device. Weft. A. Moessinger. 2,399,881; May 7.
Inserts, Removing and replacing. J. Rosan. 2,407,904; Sept. 17.
Inside door lock. J. Bousquet. 2,396,982; Mar. 19.
Insignia, Uniform. S. Cohen. 2,396,158; Mar. 5.
Insole machine. F. E. Bertrand. 2,410,004; Oct. 29.
Insole, Resilient. M. Margolin. 2,407,670; Sept. 17.
Insoles, Making. E. H. Johnson. 2,404,751; July 23.
Inspection and photographing device, Underwater. R. R. Wirth. 2,404,556; July 23.
Inspection device, Bottle. W. C. Fogle. 2,395,620; Feb. 26.
Inspection device, Photoelectric. S. C. Hurley, Jr. 2,402,405; June 18.
Inspection device, Smoke. R. H. Wager. 2,408,495; Oct. 1.
Inspection device, Supersonic. F. A. Firestone. 2,398,701; Apr. 16.
Inspection gauge. H. T. Hallowell, Jr. 2,393,246; Jan. 22.
Inspection tool. E. Kupchick. 2,394,788; Feb. 12.
Installation and attaching clip therefor, Covering. W. H. Churchill. 2,406,665; Aug. 27.
Installation and charging system therefor, Cupola. H. Fraser. 2,399,341; Apr. 30.
Instrument, Abrasive. H. Grenzow. 2,396,418; Mar. 12.
Instrument, Attitude-indicating flight. T. O. Summers, Jr. 2,404,603; July 23.
Instrument balance weight. P. S. Johnson and J. W. Dodds. 2,410,288; Oct. 29.
Instrument bearing. K. M. Lederer and A. Dempster. 2,405,892; Aug. 13.
Instrument, Bleeding. A. E. Erickson. 2,399,011; Apr. 23.
Instrument box. J. H. Starr and E. A. Goodmow. 2,404,757; July 23.
Instrument, Calculating. E. Hill. 2,404,709; July 23.
Instrument, Calculating. B. J. Ross. 2,403,614; July 9.
Instrument case. J. E. Bevin. 2,402,360; June 18.
Instrument, Computing. H. C. Ford. 2,397,783; Apr. 2.
Instrument, Control. R. P. Dewey. 2,402,151; June 18.
Instrument, Dental. P. I. Klein and A. Z. Shevsky. 2,399,231; Apr. 30.
Instrument, Electronic musical. A. R. Rienstra. 2,401,372; June 4.
Instrument for administering corrective treatment to parts of the human anatomy. E. J. Leddy. 2,402,901; June 25.
Instrument for blood transfusion. R. Bocher. 2,409,734; Oct. 22.
Instrument for examining polarized light, Optical. P. C. Heijn. 2,409,853; Oct. 22.
Instrument for measuring range. L. Radford. 2,400,060; May 7.
Instrument for measuring range and altitude. L. Radford. 2,400,059; May 7.
Instrument for measuring reflectance. W. E. Scott. 2,406,166; Aug. 20.
Instrument for use on moving craft. H. Murtagh and J. A. Taylor. 2,392,494; Jan. 8.
Instrument, Geometrical. F. N. Schwend. 2,401,321; June 11.
Instrument, Impaling. E. D. Knab. 2,403,443; July 9.
Instrument indicating system, Multiple scale, multiple function. H. C. Morgan. 2,412,350; Dec. 10.
Instrument landing system. F. A. Jenks, D. F. Folland, A. S. Maeder, and W. T. Cooke. 2,408,425; Oct. 1.
Instrument landing system. E. H. J. Phillips. 2,398,337; Jan. 22.
Instrument Light. W. G. Grimes. 2,401,867; June 11.
Instrument, Measuring. T. J. La Valley. 2,401,085; May 28.
Instrument, Measuring. W. E. Reynolds. 2,401,962; June 11.
Instrument movement, Measuring. R. I. N. Weingart. 2,398,607; Apr. 16.
Instrument, Navigation and instruction. F. H. Hagner. 2,403,920; July 16.
Instrument, Photographic measuring. C. Bradley. 2,400,096; May 14.
Instrument, Recording. R. Lee. 2,392,487; Jan. 8.
Instrument, Solo electrical musical. N. Langer. 2,403,664; July 9.
Instrument, Stringed musical. J. W. McBride. 2,405,316; Aug. 6.
Instruments, Moving-coil electrical. S. J. Smith. 2,400,963; Oct. 22.
Instruments, Precision measuring. H. Rudolph. 2,400,440; May 14.
Insulated conducting member and applying the insulation. G. Camilli. 2,403,340; July 2.
Insulated electrode holder. M. Wells. 2,412,309; Dec. 10.
Insulated pipe. A. A. Durant. 2,405,021; July 30.
Insulated wire, Making. A. Rosenstein and H. Dolan. 2,405,057; July 30.
Insulating and dielectric materials. R. L. Harvey. 2,403,657; July 9.
Insulating batt, Resilient. F. J. Soday. 2,407,582; Sept. 10.
Insulating material, Electric. A. A. New. 2,401,266; May 28.
Insulating structure. W. D. Ryder. 2,405,330; Aug. 6.
Insulation. C. Well. 2,393,082; Jan. 15.
Insulation, Heat. C. G. Munters. 2,413,331; Dec. 31.
Insulation material. C. I. Haney and M. E. Martin. 2,398,001; Apr. 9.
Insulation, Multilayer. T. M. Elfving. 2,406,815; Sept. 3.
Insulation of vessels, Thermal. H. E. Messmore. 2,398,546; Apr. 16.
Insulation remover. T. W. Moore. 2,396,594; Mar. 12.
Insulator. D. G. Blattner and F. W. Clayden. 2,405,180; Aug. 6.
Insulator. M. D. Mathews. 2,406,095; Aug. 20.
Insulator bracket. D. B. Allison. 2,393,226; Jan. 22.
Insulator, Bushing. J. E. M. Mitchell. 2,408,990; Oct. 8.
Insulator, Electric fence. L. M. Newbern. 2,398,847; Apr. 23.
Insulator, Electrical. W. W. Higgins. 2,405,425; Aug. 6.
Insulator for concentric transmission lines. W. F. Fell. 2,406,945; Sept. 3.
Insulators, Producing. D. H. Rowland. 2,395,295; Feb. 19.
Integral brake element. A. H. Peycke and R. G. Aurlen. 2,392,291; Jan. 1.
Integrating apparatus. E. M. McNatt. 2,398,238; Apr. 9.
Integrating mechanism. B. E. Saltzman. 2,398,600; Apr. 16.
Integrator. W. B. Jordan. 2,404,294; July 16.
Intelligence, Reproduction of. N. H. Young, Jr. 2,408,117; Sept. 24.
Interchangeable tool holder. E. F. Woodward. 2,407,201; Sept. 3.
Interference in aircraft flight, Method and apparatus for reducing static. W. H. Bennett. 2,397,118; Mar. 26.
Interlining materials, Treatment of. R. M. Fischer. 2,402,032; June 11.
Interlocking and reinforcing element, File cabinet. P. Zalkind. 2,410,700; Nov. 5.
Interlock apparatus. J. N. Good. 2,407,877; Sept. 17.
Interlock for electric switches, Mechanical. G. L. McFarland, Jr. 2,398,656; Apr. 16.
Interlock for elevator doors, Electro-mechanical. E. W. Fenn. 2,408,054; Sept. 24.
Interlock mechanism. G. B. Thleme. 2,396,759; Mar. 19.
Interlocked motor system. S. Read, Jr. 2,394,480; Feb. 5.
Interlocking block. J. Roe. 2,392,551; Jan. 8.
Intermittent current operated motor. C. S. Weyandt and E. J. Misslen. 2,403,034; July 2.
Intermittent switch. M. F. Miller. 2,407,571; Sept. 10.
Intermittent, Flow. A. Boynton. 2,402,728; June 25.
Intermixing device. J. D. Ballard. 2,409,339; Oct. 15.

- Internal adjustable thread gauge. W. F. Parr. 2,412,781; Dec. 17.
- Internal-combustion engine. T. R. Anderson. 2,409,609; Oct. 22.
- Internal-combustion engine. L. P. Anthony. 2,394,738; Feb. 22.
- Internal-combustion engine. T. R. Arden. 2,412,195; Dec. 10.
- Internal-combustion engine. C. N. Aronson. 2,394,970; Feb. 19.
- Internal-combustion engine. L. L. Beltz. 2,408,598; Oct. 1.
- Internal-combustion engine. L. Birkigt. 2,402,725; June 25.
- Internal-combustion engine. B. Bolli. 2,398,690; Apr. 16.
- Internal-combustion engine. W. B. Bronander. 2,398,514; Apr. 16.
- Internal-combustion engine. A. Cadella. 2,393,749; Jan. 29.
- Internal-combustion engine. R. Daub. 2,392,464; Jan. 8.
- Internal-combustion engine. R. Daub. 2,412,952; Dec. 24.
- Internal-combustion engine. G. Davies. 2,392,524; Jan. 8.
- Internal-combustion engine. C. B. Davis and W. M. Arthur. 2,401,466; Jan. 4.
- Internal-combustion engine. B. A. de Waern. 2,406,491; Aug. 27.
- Internal-combustion engine. M. L. Forrest. 2,409,350; Oct. 15.
- Internal-combustion engine. C. I. Fox. 2,399,998; May 7.
- Internal-combustion engine. O. Fuscaldio. 2,410,728; Nov. 25.
- Internal-combustion engine. E. Ginn. 2,411,653; Nov. 26.
- Internal-combustion engine. J. L. Haight, Jr. 2,408,554; Oct. 1.
- Internal-combustion engine. H. J. Hickey. 2,398,640; Apr. 16.
- Internal-combustion engine. A. F. Hoesel. 2,407,606; Sept. 10.
- Internal-combustion engine. F. J. Holmes. 2,403,282; July 2.
- Internal-combustion engine. M. Hurst. 2,392,591; Jan. 8.
- Internal-combustion engine. A. Jansson. 2,403,440; July 9.
- Internal-combustion engine. L. E. Johnson and C. R. Maxwell. 2,398,182; Apr. 9.
- Internal-combustion engine. M. Kadenacy. 2,408,399; Oct. 1.
- Internal-combustion engine. R. H. Knauss. 2,407,788; Sept. 17.
- Internal-combustion engine. D. Krygsman. 2,396,429; Mar. 12.
- Internal-combustion engine. J. B. Malin. 2,411,740; Nov. 26.
- Internal-combustion engine. J. B. Malin and W. N. Penney. 2,412,821; Dec. 17.
- Internal-combustion engine. M. Mallory. 2,392,933; Jan. 15.
- Internal-combustion engine. H. E. McCallion. 2,401,262; May 28.
- Internal-combustion engine. W. H. McInturf. 2,410,095; Oct. 29.
- Internal-combustion engine. R. Müller and R. L. Jansen. 2,400,247; May 14.
- Internal-combustion engine. F. A. I. Muntz. 2,408,089; Sept. 24.
- Internal-combustion engine. A. Naccache. 2,400,432; May 14.
- Internal-combustion engine. A. E. Osborn. 2,392,060; Jan. 1.
- Internal-combustion engine. J. S. Parenti. 2,407,681; Sept. 17.
- Internal-combustion engine. C. G. A. Rosen and C. R. Maxwell. 2,398,191; Apr. 9.
- Internal-combustion engine. F. Rustad. 2,397,752; Apr. 2.
- Internal-combustion engine. J. L. Ryde. 2,406,404; Aug. 27.
- Internal-combustion engine. E. Ryder. 2,407,102; Sept. 3.
- Internal-combustion engine. H. Schreck. 2,395,766; Feb. 26.
- Internal-combustion engine. C. K. Schwartz. 2,400,575; May 21.
- Internal-combustion engine. L. Soher. 2,398,864; Apr. 23.
- Internal-combustion engine. T. P. Soprounoff. 2,408,890; Oct. 8.
- Internal-combustion engine. R. Steabner. 2,404,543; July 23.
- Internal-combustion engine. H.-Y. Tien. 2,404,467; July 23.
- Internal-combustion engine. T. Veltech and T. Veltech, Jr. 2,401,781; June 11.
- Internal-combustion engine. A. L. Vissat. 2,398,337; Apr. 9.
- Internal-combustion engine. C. L. Walker. 2,400,581; May 21.
- Internal-combustion engine. M. Ware. 2,395,948; Mar. 6.
- Internal-combustion engine. M. Ware. 2,406,446; Aug. 27.
- Internal-combustion engine. D. K. Warner. 2,410,471; Nov. 5.
- Internal-combustion engine. E. C. Woodall. 2,402,798; June 25.
- Internal-combustion engine. W. L. Wuehr. 2,393,084-5; Jan. 15.
- Internal-combustion engine, Fuel heating system for. J. J. Dugas. 2,401,862; June 11.
- Internal-combustion engine head. E. A. Winfield. 2,394,576; Feb. 12.
- Internal-combustion engine of the free piston type. H. O. Farmer. 2,408,057; Sept. 24.
- Internal-combustion engine piston. L. B. Boyd. 2,404,348; July 23.
- Internal-combustion engine with variable compression ratio. D. C. Prince. 2,401,188; May 28.
- Internal-combustion engines, (alternating piston type) Rotary. R. L. Snyder. 2,413,589; Dec. 31.
- Internal-combustion engines, Automatic compression control for. B. C. Fisher. 2,400,747; May 21.
- Internal-combustion engines, Charge forming method and apparatus for. A. G. Bodine. 2,409,611; Oct. 22.
- Internal-combustion engines, Control of. V. E. and F. M. Whitty. 2,403,774; July 9.
- Internal-combustion engines, Cooling system for. L. J. Clapsadle, J. C. Kratzer, and E. E. Sommer. 2,408,374; Oct. 1.
- Internal-combustion engines, Cooling system for. H. W. Hanners. 2,403,218; July 2.
- Internal-combustion engines, Exhaust mechanism for. E. Clark. 2,401,858; June 11.
- Internal-combustion engines, Fuel system for. A. O. Randall. 2,402,080; June 11.
- Internal-combustion engines, Fuel system for. A. O. Terrier. 2,400,664; May 21.
- Internal-combustion engines, or other fuel-consuming means, Fuel supply system for. C. A. Pugh and D. G. Booth. 2,401,883; June 11.
- Internal-combustion engines, Preheating system for. A. Clark. 2,400,977; May 28.
- Internal-combustion engines, Priming of. A. E. Moreillon and J. A. Hunt. 2,411,103; Nov. 12.
- Internal-combustion engines, Temperature control for cooling fluid of. J. P. Johnson. 2,401,646; June 4.
- Internal-combustion engines, Valve guide of. H. N. Charles. 2,403,260; July 2.
- Internal-combustion turbine. L. B. Kimball. 2,407,164; Sept. 3.
- Internal jig support for bending large diameter pipe. J. D. Cummings. 2,401,052; May 28.
- Interpolymerization products. G. F. D'Alleio. 2,407,479; Sept. 10.
- Interpolymers, Manufacture of. L. E. Wakeford and D. H. Hewitt. 2,392,710; Jan. 8.
- Interpolymers of a methylene malonic ester and an unsaturated alkyd resin. G. F. D'Alleio. 2,403,791; July 9.
- Interrupter and disconnecting device, Electric circuit. B. R. Hermann. 2,413,563; Dec. 31.
- Interrupter, Circuit. R. C. Dickinson. 2,394,046; Feb. 5.
- Interrupter, Circuit. L. R. Ludwig and B. P. Baker. 2,401,008; May 28.
- Interrupter, Circuit. L. R. Ludwig, B. P. Baker, and A. Bakker. 2,394,086; Feb. 5.
- Interrupter, Circuit. H. J. Webb. 2,399,412; Apr. 30.
- Interrupter, Electric circuit. C. H. Flurscheim. 2,413,555; Dec. 31.
- Interrupter for flexibly mounted guns. C. G. Trimbach and P. M. Birk. 2,397,577; Apr. 2.
- Interrupter, Multiple circuit. A. G. Steinmayer and W. O. Schultz. 2,400,850; May 21.
- Interval meter. W. C. Blaisdell. 2,394,286; Feb. 5.
- Intravenous needle holder. E. R. Hubbard. 2,409,432; Oct. 15.
- Invalid chair. A. Kapusta. 2,397,790; Apr. 2.
- Invertase preparations, Manufacturing. C. A. Neuberg and S. Roberts. 2,406,624; Aug. 27.
- Inverted vent check valve. R. H. Wager. 2,393,078; Jan. 15.
- Inverter, Aperiodic phase. E. Labin. 2,401,939; June 11.
- Inverter, Facsimile signal. F. L. O'Brien. 2,397,559; Apr. 2.
- Iodine images, Forming. A. Barnes and H. P. Husek. 2,409,923; Oct. 22.
- Iodine images, Producing. H. P. Husek. 2,413,630; Dec. 31.
- Ionic analysis. E. E. Roper. 2,412,359; Dec. 10.
- Ions of alkylene earth metals, Treatment of water by suppressing the. A. G. Taylor. 2,405,276; Aug. 6.
- Ions, Sorbing. R. W. Auten and D. S. Herr. 2,412,855; Dec. 17.
- Iris diaphragm, Electrically controlled. E. S. Peterson. 2,393,408; Jan. 22.
- Iron. See—
- Chair iron. Steam iron.
- Croquis-iron. Steaming and pressing iron.
- Electric iron. Temperature indicating electric iron.
- Electric roller iron. Walking iron.
- Electric soldering iron.
- Smoothing iron.
- Soldering iron.

- Iron article, Sintered. A. L. Boegehold and R. H. Terry. 2,402,120; July 18.
- Iron from titaniferous ores, Extraction of. H. V. Alessandroni and B. V. Sterck. 2,406,577; Aug. 27.
- Iron hydrate and the manufacture and use of the same. S. P. Todd and F. C. Verduin. 2,403,243; July 2.
- Iron or iron alloys, Making products of. L. F. Whitney. 2,411,073; Nov. 12.
- Iron or iron alloys, Producing. F. Eulenstein and A. Krus. 2,401,146; May 28.
- Iron ore sludge, Sintering. W. M. Stewart. 2,412,104; Dec. 3.
- Iron ores containing chromium and related oxides, Treating. D. Gardner. 2,409,428; Oct. 15.
- Iron oxide and for the production of powdered iron, Producing. C. V. Firth. 2,413,492; Dec. 31.
- Iron oxide in suspension, Method and apparatus for the gaseous reduction of. L. Caldwell. 2,399,884; May 7.
- Iron oxide, Production of. J. W. Ayers. 2,394,579; Feb. 12.
- Iron sludge, Method and apparatus for analyzing. S. I. Gale, J. M. Moran, and W. B. Heinz. 2,405,137; Aug. 6.
- Iron steam connections, Pressing. A. Taliento. 2,410,693; Nov. 5.
- Ironer, Flatwork. J. B. Sando. 2,395,764; Feb. 26.
- Ironer, Roller. J. A. Hicks. 2,400,233; May 14.
- Ironer with telescoping attachment. J. J. Getgey. 2,392,286; Jan. 1.
- Ironing board. M. Sass. 2,404,194; July 16.
- Ironing board. M. Tronic. 2,406,050; Aug. 20.
- Ironing machine. W. J. Asher. 2,394,421; Feb. 5.
- Ironing machine. H. H. Babcock. 2,413,427; Dec. 31.
- Ironing machine. W. H. Bradley. 2,395,801; Mar. 5.
- Ironing machine. C. Clark. 2,405,491; Aug. 6.
- Ironing machine, Automatic. A. H. Gerhardt and T. C. Maher. Re. 2,272; Feb. 12.
- Ironing machine, Hat. S. J. Miller. 2,399,932; May 7.
- Irrigating valve wrench. E. T. Fillingier. 2,400,083; May 14.
- Isosorbic acid, Derivatives of. P. A. Wells and D. Swern. 2,408,182; Sept. 24.
- Isosorbic acid, Derivatives of. P. A. Wells and D. Swern. 2,408,897; Oct. 8.
- Isobutane and the like hydrocarbons, Production of. E. W. M. Fawcett and J. H. Beynon. 2,410,024; Oct. 29.
- Isobutane, Production of. V. Ipatieff and H. Pines. 2,392,924; Jan. 15.
- Isobutylene polymers, Finishing. C. F. Van Gilder and H. C. Evans. 2,395,086; Feb. 19.
- Isobutylene with an alkyl acetylene and their preparation, Interpolymers of. D. W. Huebner and E. C. Fearey. 2,410,605; Nov. 12.
- Isoelectric point of gelatin, Controlling the. R. C. Houck, J. Russell, and S. E. Sheppard. 2,398,004; Apr. 9.
- Isosforming. E. W. Thiele, G. E. Schmitkons, and C. M. Hull. 2,410,908; Nov. 12.
- Isomeric dihydroxy diphenyl sulphones, Separation and purification of. S. H. Foster. 2,392,137; Jan. 1.
- Isomeric paraffins, Separation of. A. W. Francis. 2,402,954; July 2.
- Isomeric triazole derivatives and preparing the same. Mixtures of. G. F. D'Alelio. 2,406,591; Aug. 27.
- Isomerization. J. Kellett, III, M. M. Marisic, and A. A. O'Kelly. 2,399,354; Apr. 30.
- Isomerization of cis-alpha-beta unsaturated acid esters. W. Scott. 2,404,103; July 16.
- Isomerization of light naphtha paraffinic hydrocarbons. B. H. Shoemaker and B. L. Evering. 2,399,765; May 7.
- Isomerization* of normally liquid hydrocarbons. H. S. Bloch. 2,408,548; Oct. 1.
- Isomerization of olefinic hydrocarbons. M. P. Matuszak. 2,403,671; July 9.
- Isomerization process. A. L. Foster. 2,395,263; Feb. 19.
- Isomerization process. W. B. Franklin. 2,407,488; Sept. 10.
- Isomerization process. O. Gerbes. 2,408,018; Sept. 24.
- Isomerization process. R. W. Henry. 2,411,211; Nov. 19.
- Isomerization process. J. C. Hillier and H. E. Drennan. 2,395,274; Feb. 19.
- Isomerization process. N. Myers. 2,399,883; May 7.
- Isomerization process, Catalytic. W. O. Webber. 2,392,791; Jan. 8.
- Isomerization process using metal halide complexes. C. A. Kraus and J. D. Calfee. 2,404,444; July 23.
- Isoolefinic polymers, Production of high molecular weight. A. D. Green, S. C. Lane, and E. T. Marshall. 2,399,672; May 7.
- Isoisoparaffins, Alkylation of. J. A. Chenciek and R. B. Thompson. 2,405,490; Aug. 6.
- Isoisoparaffins, Manufacture of. L. Schmerling and V. N. Ipatieff. 2,404,927; July 30.
- Isoisoparaffins, Production of. E. W. M. Fawcett and E. S. Narracott. 2,393,337; Jan. 22.
- Isoisoparaffins, Production of. D. A. Howes and E. W. M. Fawcett. 2,399,927; May 7.
- Isoisoparaffins, Production of. J. M. Mavity and W. E. Moss. 2,408,941; Oct. 8.
- Isoisoparaffins with ethylene, Alkylation of. E. F. Peverc. 2,406,709; Aug. 27.
- Isoisophene and related products, Production of. S. A. Ballard and V. E. Haury. 2,399,976; May 7.
- Isoprene, Manufacture of. E. Gorin and A. G. Oblad. 2,404,056; July 16.
- Isoprene, Purification of. F. J. Soday. 2,398,973; Apr. 23.
- Isoprene resins and making the same. F. J. Soday. 2,394,266; Feb. 5.
- Isoprene, Separation and purification of. J. A. Patterson. 2,407,997; Sept. 24.
- Isoprene derivatives and preparing the same. R. B. Woodward and W. von E. Doering. 2,395,526; Feb. 26.
- Jack: See—
- Automobile jack. Shoe supporting jack.
- Hollow hydraulic jack. Tractor jack.
- Hydraulic jack. Trail jack.
- Hydraulic lift jack. Tripod jack.
- Ladder jack. Vehicle jack.
- Lifting jack. Vertical jack.
- Pump jack. Window jack.
- Jack. A. E. W. Johnson and J. R. Orclind. 2,407,080; Sept. 3.
- Jack. J. A. Penner. 2,400,780; May 21.
- Jack construction. A. Kais. 2,396,103; Mar. 5.
- Jack and winch, Child's life-save. F. L. Brown. 2,393,285; Jan. 22.
- Jacket for internal-combustion engines, Cooling. C. G. Pullin. 2,405,847; Aug. 13.
- Jacket, Sleeping. B. H. Trinkel. 2,401,591; June 4.
- Jar and top grinding device, Preserving. O. Fleck. 2,412,572; Dec. 17.
- Jar grip. P. J. Senk. 2,404,991; July 30.
- Jar lifting device. C. E. Neils. 2,397,682; Apr. 2.
- Jaw for fifth wheel assemblies, Safety. S. B. Winn. 2,411,404; Nov. 19.
- Jaw for vises and chucks, Floating gripping. C. Chrestoff. 2,392,310; Jan. 8.
- Jet propelled top, Air. J. R. Mordan. 2,393,796; Jan. 29.
- Jet propulsion apparatus. R. C. Allen and J. T. Rettaliata. 2,409,177; Oct. 15.
- Jet propulsion apparatus. H. J. D. McCollum. 2,412,825; Dec. 17.
- Jet propulsion apparatus, Control means for. I. Lubbock. 2,402,826; June 25.
- Jet-propulsion apparatus for aircraft. A. G. Elliott. 2,408,743; Oct. 8.
- Jet propulsion motor. M. Summerfield. 2,405,465; Aug. 6.
- Jet propulsion plant. F. A. M. Heppner. 2,404,767; July 23.
- Jet propulsion, System of. M. Summerfield. 2,406,926; Sept. 3.
- Jettisoning means for the escape panels of aircraft. C. M. Verhagen. 2,412,787; Dec. 17.
- Jettisoning means for the sliding canopies of airplane cockpits. C. M. Verhagen. 2,403,250; July 2.
- Jetty with stabilizer. G. W. Rehfeld. 2,407,034; Sept. 3.
- Jeweler's wrench. L. A. Cormier. 2,403,264; July 2.
- Jewelry box. S. Trachtenberg. 2,410,760; Nov. 5.
- Jewelry chain, Diamond design. N. Nanasi. 2,400,591; May 21.
- Jewelry, Clip. M. Jellinek. 2,400,513; May 21.
- Jewels for instrument bearings, Mounting. B. B. Grace, J. Handley, and G. Gilliver. 2,396,462; Mar. 12.
- Jig. B. M. Bird. 2,401,218; May 28.
- Jig. W. B. Ellwood and H. E. Hill. 2,406,008; Aug. 20.
- Jig. R. W. and H. H. McLaren. 2,404,858; July 30.
- Jig. C. G. Tago. 2,399,257; Apr. 30.
- Jig and holder, Adjustable. I. L. Pressman. 2,399,824; May 7.
- Jig bushing. J. E. Antonidis. 2,412,594; Dec. 17.
- Jig. Drill. C. H. Cole. 2,411,776; Nov. 26.
- Jig for trimming boiler tubes. J. A. Maples. 2,409,776; Oct. 22.
- Jig for winding spherical coils. N. T. Volsk. 2,394,028; Feb. 19.
- Jig, Protractor welding. W. Widmark and A. H. Brownlee. 2,396,452; Mar. 12.
- Jig, Rail drilling. A. De Moss. 2,394,988; Feb. 19.
- Jig, Tool. F. W. Kupper-Smith. 2,397,493; Apr. 2.
- Jig, Welding. L. Nilssen and S. J. Finelli. 2,402,178; June 18.
- Jigger, Sack. E. A. Ernst. Re. 2,2740; Apr. 2.
- Joint: See—
- Automatic wear compensating ball and socket joint. Pivotal joint.
- Cable joint. Plank or board joint.
- Car roof joint. Pressure sealing joint.
- Constant velocity joint. Propeller joint.
- Electrical conducting joint. Rail joint.
- Swing joint. Railway switch joint.
- Electrode joint. Rotary joint.
- Expansion and contraction joint. Sewer pipe joint.
- Expansion joint. Steam joint.
- Flexible joint. Swing joint.
- Fluid conducting swivel joint. Swivel joint.
- Fluid-tight radio shielded joint. Swiveling fluid joint.
- Lubricated rail joint. Tow-wheel jack.
- Pipe joint. Transmission line joint.
- Universal joint. Vehicle wheel connect-joint.
- Waterstop expansion joint.

- Joint. S. N. Arnold. 2,413,308; Dec. 31.
 Joint. H. E. Machamer. 2,410,175; Oct. 29.
 Joint and bushing construction. A. Venditty. 2,396,353; Mar. 12.
 Joint and clamp construction. J. T. King. 2,395,745; Feb. 26.
 Joint and making same. Conductor. T. H. Clark. 2,406,895; Sept. 3.
 Joint and making the same. W. O. Clineinst. 2,399,103; Apr. 23.
 Joint assembly. Contruction. J. B. Hunt, Sr. 2,405,654; Aug. 13.
 Joint assembly. Preloaded. A. Venditty and M. P. Graham. 2,396,137; Mar. 5.
 Joint assembly. Steering. J. H. Booth. 2,411,021; Nov. 12.
 Joint between metal and ceramic bodies. A. Gaudenzi and R. Risch. 2,396,320; Mar. 12.
 Joint construction. J. D. Lincoln. 2,406,697; Aug. 27.
 Joint construction. M. Watter. 2,393,081; Jan. 15.
 Joint construction. Plastic. A. H. Haberstump. 2,392,734; Jan. 8.
 Joint for artificial legs, Knee. G. M. Talbot. 2,400,032; May 7.
 Joint for concrete roadway. Expansion. R. C. Olmsted and A. H. Harris. 2,410,099; Oct. 29.
 Joint for control devices for retractable members on board aircraft. Driving. C. R. Waseige. 2,405,623; Aug. 13.
 Joint for electric lamps or similar devices. Filament. J. W. Fulton. 2,408,070; July 2.
 Joint for electric power cables. T. R. Scott. 2,393,935; Jan. 29.
 Joint for electric power cables maintained under gas pressure. E. C. Lee. 2,392,748; Jan. 8.
 Joint for leg braces. I. O. Witte. 2,410,560; Nov. 5.
 Joint for pressure suits. G. D. Mallory. 2,410,786; Nov. 5.
 Joint for rotary hydraulic machines. Plate steel casing. J. F. Corby. 2,410,201; Oct. 29.
 Joint sealing composition. Production of a road. J. T. Moyle. 2,395,998; Mar. 5.
 Joint split ring union device. Non-slip. J. R. Guildford. 2,410,027; Oct. 29.
 Joint structure. C. P. Krupp. 2,394,078; Feb. 5.
 Journal lubricator. W. J. Fitzsimmons. 2,402,953; July 2.
 Journaling mechanism. A. P. Davis. 2,410,602; Nov. 5.
 Juice absorber. Tobacco pipe. W. Ehrhardt. 2,407,484; Sept. 10.
 Juice extractor. A. E. Grant. 2,394,763; Feb. 12.
 Juice extractor. J. B. Koppel. 2,409,497; Oct. 13.
 Juice extractor. C. J. Starnes. 2,408,479; Aug. 27.
 Juices. Treatment of apple. R. M. Laird. 2,401,169; May 28.
 Jumper. Baby. A. J. Shurtliff. 2,408,002; Sept. 24.
 Jumper for short-circuiting contacts of fluorescent lamp sockets. Electrical. H. Rosenthal. 2,410,364; Oct. 29.
 Junction system. Electrical. H. Gent and R. H. H. Pryde. 2,398,782; Apr. 23.
 Keeper. Hasp lock. R. S. Wagner and B. R. Thiele. 2,402,309; June 18.
 Keeper unit. Latch-accommodating. W. J. Pinard. 2,403,826; July 9.
 Keratinous material. Treatment of. W. J. Burke. 2,403,906; July 16.
 Keratinous material. Treatment of. H. A. Lubs. 2,403,937; July 16.
 Kerf cutting apparatus. L. E. Simmons. 2,394,813; Feb. 12.
 Ketene and hydrocyanic acid. Reacting. F. St. A. Johnston and L. W. Newton. 2,395,930; Mar. 5.
 Ketenes with diketones. Condensation of. J. A. Spence and E. F. Degering. 2,407,301; Sept. 10.
 Ketenes with ketoesters. Condensation of. J. A. Spence and E. F. Degering. 2,407,302; Sept. 10.
 Keto-alcohols. Production of. J. Lincoln and J. G. N. Drevitt. 2,395,414; Feb. 26.
 Ketols from isophorones and homologues thereof. S. A. Beard and V. E. Harty. 2,406,652; Aug. 27.
 Ketone aminoindan compensation product. C. F. Gibbs. 2,408,391; Oct. 1.
 Ketones in aviation gasoline. A. L. Stanly. 2,398,197; Apr. 9.
 Ketones of the cyclopentano phenanthrene series. Unsaturated. P. L. Julian and J. W. Cole. 2,394,551; Feb. 12.
 Ketones. Production of. W. H. Reeder, III, and G. A. Boudoin. 2,395,012; Feb. 12.
 Ketones. Production of acyclic. H. L. Yale and G. W. Hearne. 2,398,685; Apr. 16.
 Ketones. Production of unsaturated. W. A. Bailey, Jr., and W. H. Peterson. 2,393,510; Jan. 22.
 Ketones substituted by modified propionic acid radicals and producing same. G. Wiest and H. Glaser. 2,403,570; July 9.
 Kettle. Steam. R. J. Sharp. 2,411,006; Nov. 12.
 Key. Attachable. J. S. Howell. 2,399,119; Apr. 23.
 Key case. J. M. Basse. 2,400,221; May 14.
 Key case. J. and S. Jupin. 2,411,995; Dec. 8.
 Key container. D. Hendrix. 2,393,373; Jan. 22.
 Key holder. I. Geller. 2,401,753; June 11.
 Key holder. A. N. Hanna. 2,407,153; Sept. 3.
 Key holder. A. H. Levesque. 2,400,424; May 14.
 Key holder. J. H. Rotheraine. 2,402,347; June 18.
 Key holding. L. Schmdhuber, W. G. Nelson, Jr., and G. W. Hill. 2,395,235; Feb. 19.
 Key holder. V. Sorrentino. 2,396,615; Mar. 12.
 Key holder. A. A. Zarowin. 2,394,507; Feb. 5.
 Key retainer. S. Segal. 2,413,337; Dec. 31.
 Key. Switching. T. C. Kiehe. 2,400,952; May 28.
 Key tape machine. Telegraph ciphering. R. D. Parker. 2,406,031; Aug. 20.
 Key. Telephone. L. B. Haigh and F. A. Stearn. 2,410,062; Oct. 29.
 Keyer. Variable. Oct. M. G. Crosby. 2,405,876; Aug. 13.
 Keying arrangement. E. O. Willoughby. 2,413,018; Dec. 24.
 Keying circuit. J. P. Smith. 2,411,598; Nov. 26.
 Keyless lock. W. W. Hurrell. 2,406,332; Aug. 27.
 Kneating tool. C. H. Little. 2,401,490; June 4.
 Keyways. Method and apparatus for cutting. S. G. Brady. 2,397,086; Mar. 26.
 Kiln. Dry. R. A. Simmons. 2,403,154; July 2.
 Kiln for brick and other clay products. J. R. Clark. 2,399,664; May 7.
 Kiln. Glass annealing. W. N. Wheat and R. Bullock. 2,400,056; May 7.
 Kiln. Processing. D. L. Newkirk and E. E. Ensign. 2,404,650; July 23.
 Kiln. Rotary. W. R. Cliffe. 2,410,598; Nov. 5.
 Kinestograph movement. G. H. Worrall. 2,404,875; July 30.
 Kit. Camping. G. Walters. 2,397,225; Mar. 26.
 Kit. First-aid. R. R. Seaton. 2,396,393; Mar. 12.
 Kit. Shoe. E. A. Brack. 2,403,575; July 9.
 Kit. Toilet. C. H. Dolan, II. 2,411,196; Nov. 19.
 Kit. Toilet. G. D. and H. M. Robinson. 2,401,318; June 4.
 Kite. H. F. and H. M. Chu. 2,394,366; Feb. 5.
 Kite. A. A. Conception. 2,403,212; July 2.
 Kite. Tailless. H. F. and H. M. Chu. 2,412,322; Dec. 10.
 Kite. Water. K. H. Wilcox and L. Landweber. 2,402,036; July 2.
 Klystron. Reflex. D. G. Cliford. 2,400,743; May 21.
 Knife. A. J. Marshaus. 2,397,875; Apr. 2.
 Knife mount for high temperature precoat filters. H. P. Dayton. 2,393,150; Jan. 15.
 Knit fabric and making the same. Warp. C. R. Burns. 2,412,869; Dec. 17.
 Knitted fabric. E. Wildt, H. H. Holmes, and J. C. H. Hurd. 2,405,201; July 2.
 Knitted terry fabric. O. Fregeolle. 2,400,637; May 21.
 Knitting. O. Fregeolle. 2,402,744; June 25.
 Knitting device. Loop. F. P. Saldain. 2,399,144; Apr. 23.
 Knitting element of knitting machinery. R. Peel. 2,393,931; Jan. 29.
 Knitting machine. R. C. Amidon. 2,400,524-6; May 21.
 Knitting machine. W. Bardsley. 2,406,525; Aug. 13.
 Knitting machine. E. Brooksby and F. E. Deans. 2,396,489; Mar. 12.
 Knitting machine. A. N. Cloutier. 2,392,312; Jan. 8.
 Knitting machine. T. S. Hayhurst. 2,395,814-23; Mar. 5.
 Knitting machine. T. S. Hayhurst. 2,401,732; June 11.
 Knitting machine. F. Lambach. 2,405,583; Aug. 13.
 Knitting machine. A. E. and F. R. Page. 2,409,306; Oct. 15.
 Knitting machine. E. St. Pierre. 2,402,098; June 11.
 Knitting machine. E. Wildt, H. H. Holmes, and J. C. H. Hurd. 2,396,767; Mar. 19.
 Knitting machine and knitting. F. W. Brown. 2,410,710; Nov. 5.
 Knitting machine and knitting. N. H. Smith. 2,408,698; Oct. 1.
 Knitting machine and knitting. Circular. W. E. Booton and H. Witts. 2,400,805; May 1.
 Knitting machine and method. L. N. Feinstein. 2,409,026; Oct. 8.
 Knitting machine. Circular. B. F. Coile. 2,399,002; Apr. 23.
 Knitting machine. Circular. H. H. Holmes. 2,396,656; Mar. 19.
 Knitting machine. Cylinder and dial. C. Koppel. 2,399,439-40; Apr. 30.
 Knitting machine. Cylinder and dial. C. Koppel. 2,401,083; May 28.
 Knitting machine. Straight-bar. H. W. Start and E. Start. 2,398,443; Mar. 12.
 Knitting machine. Warp. A. F. Fiorentino. 2,394,161; Feb. 5.
 Knitting machines. Method of and mechanism for widening fabric on flat. S. C. Mack. 2,402,200; June 18.
 Knitting machines. Take-up mechanism for. A. Theobalt. 2,397,221; Mar. 26.
 Knitting method and apparatus. B. Nyhuis. 2,405,162; Aug. 6.
 Knitting method and machine. P. W. Bristow. 2,412,248; Dec. 10.
 Knitting method and machine. I. W. Grothey. 2,411,422; Nov. 19.
 Knitting method and machine. G. Norman. 2,408,807; Oct. 8.
 Knitting. Production of. H. N. and E. E. Smith. 2,403,766; July 9.
 Knob. T. S. Briskin. 2,405,683; Aug. 13.

- Knockdown coat hanger. N. T. Baldanza and A. J. Desimone. 2,392,080; Jan. 1.
- Knockdown picnic table. J. C. La Rue. 2,411,658; Nov. 26.
- Knocker, Door. W. Neuhaus. 2,405,916; Aug. 13.
- Knotted-loop work which cannot unravel when cut and producing the same. R. F. Morcaldi D. 2,402,568; June 25.
- Knitting board. C. L. Walker. 2,395,981; Mar. 5.
- Label, Package. E. Schwartz. 2,398,257; Apr. 9.
- Labelling mechanism, End. E. D. Pohl. 2,409,065; Oct. 8.
- Laboratory fractionating column. R. E. Burk and T. J. Walsh. 2,410,045; Oct. 29.
- Lace cutter. J. Luke. 2,411,927; Dec. 3.
- Lacing machine, Shoe upper. J. Fossa. 2,404,834; July 30.
- Lacquer. H. S. Northway. 2,402,437; June 18.
- Lactates, Preparation. J. L. Jones. 2,410,740; Nov. 5.
- Lactones of mercapto carboxylic acids and preparing them. W. A. Lazier and F. K. Signaigo. 2,406,639; June 25.
- Lactones of the saturated and unsaturated cyclopentano-polyphorphenanthrene series and preparing same. L. Ruzicka. 2,398,861; Apr. 23.
- Ladder. F. J. Benz. 2,396,813; Mar. 19.
- Ladder. N. L. Dahlander. 2,397,950; Apr. 9.
- Ladder. B. A. Ellis. 2,397,953; Apr. 9.
- Ladder. V. M. Fowler. 2,409,266; Oct. 15.
- Ladder, Adjustable. A. L. Prutsman. 2,405,269; Aug. 6.
- Ladder assembly. W. B. Steil. 2,398,812; Apr. 23.
- Ladder attachment. M. A. Casey. 2,398,617; Apr. 18.
- Ladder bracket. T. C. Ehnborn. 2,407,541; Sept. 10.
- Ladder, Combination. T. C. McCoy. 2,395,637; Feb. 26.
- Ladder construction. F. A. Ellis. 2,397,952; Apr. 9.
- Ladder, Extensible. M. E. Baker. 2,396,034; Mar. 5.
- Ladder Jack. W. H. Walker. 2,392,347; Jan. 8.
- Ladder, Multiple. W. I. Mosher. 2,397,972; Apr. 9.
- Ladder, Scaffold. Y. St-Mars. 2,400,695; May 21.
- Ladder, Shlp. W. Kelsey. 2,401,251; May 28.
- Ladder support. J. D. Ramsey. 2,407,575; Sept. 10.
- Ladle. H. E. McWane and H. K. McGavock. 2,400,362; May 14.
- Ladle tilting apparatus. F. E. Kling. 2,393,695; Jan. 29.
- Lady's skirt hanger. R. Robey. 2,411,466; Nov. 19.
- Lagging and making the same. A. Havel. 2,405,304; Aug. 6.
- Laminated abrasive articles, Making. N. P. Robie and R. G. Rowe. 2,393,267; Jan. 22.
- Laminated articles, Making. J. S. Barnes. 2,411,497; Nov. 26.
- Laminated articles, Making. C. Eames. 2,395,468; Feb. 26.
- Laminated cores for transformers, Making. H. E. White and W. H. Eorst. 2,393,439; Jan. 22.
- Laminated glass structure. J. L. Drake and G. B. Watkins. 2,398,886; Apr. 23.
- Laminated lock. M. Falk. 2,409,424; Oct. 15.
- Laminated material and making. M. Skolnik. 2,405,527; Aug. 6.
- Laminated porous elastic fabric. M. C. Teague and P. L. Mahoney. 2,404,758; July 23.
- Laminated sheet pulp container and forming same. L. M. Wiley. 2,395,703; Feb. 26.
- Laminated stock bonded with a dihydroxy benzene aldehyde resin, Production of. A. J. Norton. 2,398,388; Apr. 16.
- Laminated structure. F. E. Hummel. 2,413,500; Dec. 31.
- Laminated structures, Making. E. L. Vidal and L. J. Marhofer. 2,394,730; Feb. 12.
- Laminated structures, Production of. W. Gallay and G. G. Graham. 2,393,100; Jan. 15.
- Lamp: See—
- Bed lamp.
- Combination bactericidal and illuminating lamp.
- Diffusing projector lamp.
- Dry-battery torch or flash lamp.
- Electric discharge lamp.
- Electric lamp.
- Electrical gaseous discharge lamp.
- Emergency lamp.
- Flush lamp.
- Fluorescent electric lamp.
- Fluorescent glow lamp.
- Fluorescent lamp.
- Glow discharge lamp.
- Lamp. C. E. Meyerhofer. 2,403,108; July 2.
- Lamp. H. J. Sauer. 2,410,366; Oct. 29.
- Lamp and holder therefor, Tubular. E. S. Mills and E. A. Lindsay. 2,412,826; Dec. 17.
- Lamp and holder therefor, Tubular. F. C. De Reamer and J. M. Piste. 2,393,616; Jan. 29.
- Lamp and holder therefor, Tubular. G. S. Merrill. 2,393,180; Jan. 15.
- Lamp and holding means therefor, Tubular electric. W. R. Young. 2,400,381; May 14.
- Lamp and operating same. A. E. C. Richardson. 2,396,436; Mar. 12.
- Lamp apparatus and operation, Electric vapor. H. K. Bourne. 2,405,286; Aug. 6.
- Lamp base. R. B. Thomas. 2,413,662; Dec. 31.
- Lamp base or cap and bonding cement therefor, Electric. H. Weber. 2,407,621; Sept. 10.
- Lamp device, Multiflash. J. J. Malloy. 2,408,469; Oct. 1.
- Lamp device, Multiflash. E. B. Noel and A. W. Seitz. 2,408,470; Oct. 1.
- Lamp electrode regulating system and mechanism, Arc. L. A. Sheldon. 2,402,922; June 25.
- Lamp filament connection. J. E. Stone. 2,404,992; July 30.
- Lamp fitting, Fluorescent tubular discharge. F. H. Reeves. 2,393,062; Jan. 15.
- Lamp for motor vehicles and the like, Inspection. M. C. Erasmus. 2,407,737; Sept. 17.
- Lamp guard and handle. F. C. Kollath. 2,394,697; Feb. 12.
- Lamp holder. P. O. Cartun. 2,405,815; Aug. 13.
- Lamp holder. E. A. Lindsay. 2,392,164; Jan. 1.
- Lamps and the like, Basing for electric. R. F. Strickland. 2,408,137; July 7.
- Lamp shade holder. D. J. Ross. 2,394,108; Feb. 5.
- Lamp socket with side switching mechanism. C. Branning. 2,412,439; Dec. 10.
- Lamp starter, Fluorescent. C. H. Hodgkins. 2,400,353; May 19.
- Lamp unit. A. G. Foote. 2,411,568; Nov. 26.
- Lamp with turbulent discharge, Luminescent. J. B. J. M. Abadie. 2,411,510; Nov. 26.
- Lamp with two shades, Electric. H. Storm. 2,398,974; Jan. 23.
- Lamps and holder for use therein, Lighting system for tubular. F. C. De Reamer. 2,401,555; June 4.
- Lamps and other electrical apparatus, Controlling the operation of luminescent. W. Foerste. 2,392,845; Jan. 15.
- Lamps, Lock for fluorescent. H. S. Bixby. 2,401,408; June 4.
- Lamps, Method and apparatus for coating fluorescent. K. Denb and L. H. Hayes. 2,413,437; Dec. 31.
- Landing apparatus for rocket craft. R. H. Goddard. 2,395,405; Feb. 26.
- Landing-deck light. A. M. Pride. 2,403,610; July 9.
- Landing device, Safety. R. L. Freas. 2,399,221; Apr. 30.
- Landing gear. C. S. Glasgow and C. G. Brown. 2,411,420; Nov. 19.
- Landing gear for airplanes, Retractable. R. W. Palmer and J. M. Hudson. 2,391,998; Jan. 1.
- Landing gear for trailers and the like. I. A. Morris. 2,400,652; May 21.
- Landing gear housing door. W. M. Riggles, Jr. 2,406,710; Aug. 27.
- Landing strip, Emergency. C. D. Bourcier. 2,402,597; June 25.
- Landing system, Aircraft blind. R. C. Newhouse. 2,405,231; Aug. 6.
- Landing wheel for airplanes, Electric motor driven. O. E. Dever. 2,391,952; Jan. 1.
- Lap. A. Anderson. 2,401,215; May 28.
- Lapping and honing machine. M. E. Early. 2,408,204; Sept. 24.
- Lapping apparatus. R. Stoll. 2,412,306; Dec. 10.
- Lapping block. K. R. Sjogren. Re. 22,770; July 2.
- Lapping dies, Method and apparatus for. D. D. Symmes. 2,411,304; Nov. 19.
- Lapping fixture, Micrometer. E. W. Pearson. 2,404,525; July 23.
- Lapping machine. H. S. Indge and G. E. Hulbert. 2,406,690; Aug. 27.
- Lapping machine. C. C. McCain. 2,401,953; June 11.
- Lapping machine. H. Michelsen and C. C. Stevens. 2,398,660; Apr. 16.
- Lapping machine. F. Orlo. 2,404,811; July 30.
- Lapping machine. G. Sells, K. C. Johnson, and L. Black. 2,410,752; Nov. 5.
- Lapping machine. C. H. S. Indge. 2,406,689; Aug. 27.
- Lapping method and machine. D. S. Oliver. 2,408,334; Sept. 24.
- Larynx construction, Artificial. O. Roberts. 2,408,850; Aug. 13.
- Last. H. F. Loewer. 2,404,508; July 23.
- Last. L. W. Reinhardt. 2,412,008; Dec. 3.
- Last and sole forming machine, Vacuum. W. H. Doherty. 2,406,359; Aug. 27.
- Last, Two-part collapsible. V. J. Levaggi, Jr. 2,404,805; July 30.
- Last, Shoe. F. De Vito. 2,397,309; Mar. 26.
- Last stand. V. J. Levaggi, Jr. 2,393,787; Jan. 29.
- Lasting machine. T. P. Courche. 2,409,193-4; Oct. 15.
- Lasting machine. J. Fossa. 2,411,827; Nov. 26.
- Lasting machine. H. A. Imhof. 2,404,497; July 23.
- Lasting machine. B. Jorgensen. 2,395,874; Mar. 5.
- Lasting machine. B. Jorgensen. 2,406,483; Aug. 27.
- Lasting machine. J. S. Kamborian. 2,394,310; Feb. 5.
- Lasting machine. C. A. Robinson. 2,397,624; Apr. 2.
- Lasting machine. C. A. Robinson. 2,409,642; Oct. 22.
- Lasting machine and method. B. Jorgensen. 2,403,003; July 2.
- Latch: See—
- Brake latch.
- Door latch.
- Dump truck and latch.
- Illuminated handbag latch.
- Vehicle door latch.

- Latch. H. Engert. 2,403,065; July 2.
 Latch. R. Marple. 2,393,647; Jan. 29.
 Latch. C. A. Weise. 2,393,945; Jan. 29.
 Latch and check. Combination door. L. Q. Hoen. 2,401,301; June 4.
 Latch and lock, Combined. B. R. Thiele. 2,399,302; Apr. 30.
 Latch and lock, Indoor. H. E. Frost. 2,407,775; Sept. 17.
 Latch construction. A. F. Engeljohn. 2,411,197; Nov. 19.
 Latch for automobiles, Door. W. H. Schroeder. 2,402,348; June 18.
 Latch for escape hatches. N. Heffner and S. O. Heffner. 2,402,935; June 25.
 Latch handle assembly. J. G. Joachim. 2,404,845; July 30.
 Latch mechanism. W. P. Cousino. 2,393,147; Jan. 15.
 Latch mechanism. S. De Orlow. 2,391,884; Jan. 1.
 Latch mechanism. F. M. Udall. 2,398,336; Apr. 9.
 Latch mechanism. F. M. Udall and P. Baumgarten. 2,404,670; July 23.
 Latch mechanism. E. F. Wagner. 2,394,646; Feb. 12.
 Latch mechanism, Door. H. W. Sanford. 2,399,708; May 7.
 Latch operator and safety lock, Mine car. E. R. Schroeder. 2,400,026; May 7.
 Latch structure, Locking. W. A. Shearer, R. D. Shephard, and E. R. Watkins. 2,405,240; Aug. 6.
 Latching device, Vibratory. R. B. Immel. 2,406,378; Aug. 27.
 Latching mechanism. H. D. Cahill. 2,408,755; Oct. 8.
 Latex activator. E. Schmidt. 2,404,585; July 23.
 Latex and the like, Dispensing. A. H. Beaumier. 2,402,310; June 18.
 Latex, Modified. D. W. MacLeod. 2,392,825; Jan. 15.
 Latex, Purification of. H. R. Braak. 2,398,613; Apr. 16.
 Latex treatment. J. K. Lockridge. 2,398,102; Apr. 9.
 Latex tubes, Making. W. F. Kinnucan. 2,392,049; Jan. 1.
 Lathe. Metal. G. E. Deatherage. 2,392,525; Jan. 8.
 Lathe. S. H. Stupakoff and R. E. Stark. 2,392,427; Jan. 8.
 Lathe apparatus for cutting comb grain veneer. H. D. Hill. 2,397,110; Mar. 26.
 Lathe attachment. R. H. Andresen. 2,396,631; Mar. 19.
 Lathe attachment. R. H. Andresen. 2,409,464; Oct. 15.
 Lathe attachment. R. A. Lavota. 2,392,596; Jan. 8.
 Lathe attachment for making duplicate pieces. C. Beird. 2,399,315; Apr. 30.
 Lathe, Automatic. W. F. Groene and H. C. Kemper. 2,410,026; Oct. 29.
 Lathe center. F. N. Reynolds. 2,397,371; Mar. 26.
 Lathe center, Hydraulic. L. A. Barto. 2,402,979; July 2.
 Lathe feed mechanism, Multiple spindle center drive. W. F. Groene and A. W. Aufderhar. 2,396,784; Mar. 19.
 Lathe for turning lasts or the like. A. D. Landers and F. H. Lindsay. 2,411,135; Nov. 12.
 Lathe, Multiple spindle center drive. W. F. Groene and A. W. Aufderhar. 2,396,783; Mar. 19.
 Lathe, Roll. W. R. Duda. 2,413,489; Dec. 31.
 Lathe screw attachment. O. Kylin. 2,399,045; Apr. 23.
 Lathe, Semi-automatic turret. L. C. Wasson. 2,392,074; Jan. 1.
 Lathe. Device for automatic. E. Bodmer. 2,399,621; May 7.
 Lathes. Geared center raiser for. R. E. Garrett. 2,403,387; July 2.
 Lathing. A. C. Karelins. 2,408,781; Oct. 8.
 Lathing material. J. L. Finck. 2,404,481; July 23.
 Latices, Coagulating. W. W. Waterman and B. M. Vanderbilt. 2,393,348; Jan. 22.
 Latices, Coagulation of. W. W. Waterman and P. T. Parker. 2,393,208; Jan. 15.
 Latices, Creaming. Synthetic rubber. C. R. Peaker. 2,393,281; Jan. 22.
 Latices, Manufacture of synthetic rubber. L. M. White. 2,393,133; Jan. 15.
 Latrine aid. Stool-type. C. L. Turner. 2,399,960; May 7.
 Latrine, Sanitary. C. G. Martin. 2,410,092; Oct. 29.
 Launcher, Grenade. D. R. Luster and P. B. Rutherford. 2,402,060; June 11.
 Launching and landing mat for airplanes, Portable. H. H. Crafton. 2,407,059; Sept. 3.
 Launching apparatus. A. T. Reynolds and S. S. Mercantante. 2,395,066; Feb. 19.
 Launching device, Rocket. C. H. Jolly. 2,409,210; Oct. 15.
 Launching method and equipment. P. M. O'Laughlin. 2,395,423; Feb. 26.
 Launching system, Glider. A. B. Schultz. 2,402,918; June 25.
 Laundered article, System of pressing. W. F. Gayring. 2,405,882; Aug. 13.
 Laundry machine. W. J. Asher. 2,407,125; Sept. 3.
 Laundry machine. W. Ganeles. 2,402,278; June 18.
 Laundry machine. J. B. Kirby. 2,396,108; Mar. 5.
 Laundryproof fastener. T. R. Griffin. 2,393,219; Jan. 15.
 Lavatory and disinfection control. R. F. Bracke. 2,409,535; Oct. 15.
 Lawn mower re-edger. G. J. Lauer. 2,412,343; Dec. 10.
 Lawn renovating machine. S. J. Lindskog. 2,400,204; May 14.
 Lay-out machine. E. D. Browning. 2,403,633; July 9.
 Layout, planner, Demonstration. H. A. Armbricht. 2,405,808; Aug. 13.
 Leaching apparatus and method. A. B. Kennedy. 2,405,105; July 30.
 Lead alloy. E. G. Hollman. 2,394,451; Feb. 5.
 Lead and lead alloys, Refining. J. C. Dittmer. 2,402,310; June 18.
 Lead from bearings, Stripping. R. L. Heath, G. A. Fisher, Jr., and T. R. Holbrook. 2,408,931; Oct. 8.
 Lead phosphates and preparing same. A. Stewart, A. R. Pitroff, and L. M. Rebrich. 2,412,784; Dec. 17.
 Lead thioyanate, Production of. T. E. Robbins, Jr. 2,392,191; Jan. 1.
 Leaf, Filter. F. E. Reinhardt. 2,409,705; Oct. 22.
 Leaf, turner, Music. C. W. Moss. 2,407,572; Sept. 10.
 Leakage testing apparatus for high-pressure containers. H. D. Shaw. 2,398,051; Apr. 9.
 Leakproof dry cells, Top closure for. H. J. Smithback. 2,402,784; June 25.
 Leather powder case. A. S. Leitner. 2,410,585; Nov. 5.
 Leather cleaning or deglazing machine. F. Falese. 2,392,237; Jan. 1.
 Leather, Process and apparatus for glazing. C. D. Knowlton and D. Edgar. 2,398,835; Apr. 23.
 Leather, Simulated patent. J. R. Price. 2,396,125; Mar. 5.
 Leather, Tanning of. E. A. Robinson and R. M. Beach. 2,401,373; June 4.
 Leg, artificial. N. F. Harrington. 2,402,327; June 18.
 Leg and table, Combined. C. Collins. 2,403,263; July 2.
 Legging. J. L. Morris. 2,398,802; Apr. 23.
 Length control apparatus. L. R. Mansell. 2,395,562; Feb. 16.
 Lens. H. D. Beach. 2,405,989; Aug. 20.
 Lens. W. Buchele. 2,413,286; Dec. 31.
 Lens centering device. A. B. Simmons and J. H. McLeod. 2,394,721; Feb. 12.
 Lens cleaning dispenser cabinet. R. R. Wilkins. 2,411,310; Nov. 19.
 Lens coating apparatus. L. T. Sachtleben. 2,397,207; Mar. 26.
 Lens, Contact. D. J. Riddell. 2,393,266; Jan. 22.
 Lens cutting machine, Goggle. E. M. Long. 2,395,376; Feb. 19.
 Lens, Electron. O. E. H. Klemperer. 2,412,687; Dec. 17.
 Lens inspecting and layout device. J. A. Stewart. 2,413,198; Dec. 24.
 Lens mounting for gas masks and the like. N. R. Schutz and J. Dubitsky. 2,396,207; Mar. 5.
 Lens support and lens hood for folding cameras, Combined. T. M. Aiken. 2,408,184; Sept. 24.
 Lens system, Electron. C. H. Bachman. 2,400,331; May 14.
 Lens, Transparent lid and integral. R. E. Smith. 2,413,252; Dec. 24.
 Lenses and making the same. R. F. Bardwell and J. H. Smith. 2,410,145; Oct. 29.
 Lenses, Correction for spherical and chromatic aberrations in electron. E. G. Ramberg. 2,401,315; June 4.
 Lenses for eyeglasses, Manufacture of. H. C. Rones. 2,399,708; May 7.
 Lenses, Mounting. H. E. Burgert and J. V. Butterfield. 2,394,894; Feb. 12.
 Lenses, Unblocking. G. W. Jackson. 2,399,679; May 7.
 Letter sign, Interchangeable. J. R. Starnes. Re. 22,801; Oct. 8.
 Lettering instrument. F. H. Whiteley. 2,407,594; Sept. 10.
 Level. C. O. Rothweiler. 2,408,343; Sept. 24.
 Level control and indicator of interface between acid and hydrocarbon layers. C. R. Wagner. 2,394,220; Feb. 5.
 Level control, Liquid. C. O. Lavett and H. F. Kerker. 2,400,768; Oct. 22.
 Level, Extensible length. B. L. Parham. 2,398,851; Apr. 23.
 Level or like surveying instrument. J. E. Gudmundson. 2,407,416; Sept. 10.
 Leveler and latch opener, Needle. O. Fregeolle. 2,400,636; May 21.
 Leveler, Finishing. A. G. Gurries. 2,407,780; Sept. 17.
 Leveling device, Ladder. C. A. Divil. 2,392,527; Jan. 8.
 Lever. F. T. Court. 2,394,985; Feb. 19.
 Lever, Anchor block supporting. R. S. Owens. 2,398,717; Apr. 16.
 Lever assembly, Brake. H. S. Jandus. 2,405,956; Aug. 20.
 Lever attachment. F. Van Buskirk. 2,402,932; June 25.
 Lever control, Differential rudder. P. G. Holt. 2,406,374; Aug. 27.
 Lever for automatic machine tools, Motion-transmitting. A. Bechler. 2,404,210; July 16.
 Lever for loom pattern mechanism. W. A. Blanchard. 2,409,973; Oct. 22.
 Lever for pattern mechanism, Vibrator. W. A. Blanchard. 2,409,972; Oct. 22.
 Lever for transmissions, Shift. O. Zancan. 2,403,162; July 2.
 Lever open containers, Forming. J. E. Socke. 2,394,019; Feb. 5.
 License plate. R. H. Ducey. 2,400,079; May 14.

- Lid, Journal box. A. O. Buckius. 2,412,250; Dec. 10.
 Life saving device. W. R. Baack. 2,404,681; July 23.
 Life saving device. E. R. Hawkins. 2,408,166; Sept. 24.
 Lift. H. W. Grigsby. 2,395,735; Feb. 26.
 Lift. J. A. Schwab. 2,397,735; Apr. 2.
 Lift assembly attachments, Hydraulic. W. C. Francis. 2,403,356; July 2.
 Lift, Fluid. S. C. Brady. 2,396,817; Mar. 19.
 Lift for plows, Automatic implement. S. G. Washburn. 2,411,072; Nov. 12.
 Lift, Hydraulic. L. S. Pfost. 2,397,042; Mar. 19.
 Lift, Mechanical power. J. Morkoski. 2,407,762; Sept. 17.
 Lift, Power. W. H. Silver. 2,409,228; Oct. 15.
 Lift, Power. W. H. Worthington. 2,403,422; July 2.
 Lift, Vehicle. E. B. Thompson. 2,402,265; June 18.
 Lifter: See—
 Article lifter. Pie pan lifter.
 Building block lifter. Sack lifter.
 Grip lifter. Safety piepan lifter.
 Load lifter.
 Lifter and conveyor, Bale. A. Templeton. 2,402,465; June 18.
 Lifter and holder, Pot and pan. J. A. Fink. 2,404,224; July 16.
 Lifter and shifter, Track. H. H. Armstrong. 2,392,717; Jan. 8.
 Lifting and emptying machine, Container. S. H. Harrison. 2,401,731; Jan. 11.
 Lifting apparatus. G. H. Jones. 2,400,299; May 14.
 Lifting clamp. E. McGowan. 2,412,627; Dec. 17.
 Lifting device, Auxiliary presser-foot. J. P. Enos. 2,392,730; Jan. 8.
 Lifting jack. A. L. Jackson. 2,404,577; July 23.
 Lifting jack device. T. W. Murray. 2,413,242; Dec. 24.
 Lifting mechanism. W. L. Simonton. 2,408,181; Sept. 24.
 Lifting mechanism for sewing machines, Pressure-foot. R. Becker. 2,401,216; May 28.
 Ligation for saxophone mouthpieces. M. Maccaferri. 2,411,380; Nov. 19.
 Light: See—
 Airplane light. Ship light.
 Closet light. Test light.
 Instrument light. Traffic light.
 Landing-deck light.
 Light circuit alarm system. R. W. McBrien. 2,397,028; Mar. 19.
 Light concealer, Cigarette. M. La M. Green-ee. 2,405,506; Aug. 6.
 Light control, Fluorescent. C. F. Rudolph. 2,407,685; Sept. 17.
 Light control for pin hole detectors, Scanning. J. W. Hags. 2,395,181; Feb. 19.
 Light directing device. P. M. Rainey. 2,410,104; Oct. 29.
 Light-directing device. L. L. Young. 2,395,605; Feb. 26.
 Light filter. E. Lemmers. 2,392,095; Jan. 1.
 Light filter. L. T. Sachtleben and W. L. Douden. 2,403,685; July 9.
 Lighthouse tube mounting. R. G. Schriefer. 2,397,985; Apr. 9.
 Light-impulse system. V. H. Fraenckel and S. Hansen. 2,409,030; Oct. 8.
 Light, Inspection. B. F. Schmidt. 2,396,440; Mar. 12.
 Light meter. E. J. Martin and C. E. Grinstead. 2,407,564; Sept. 10.
 Light-oil products, Refining. W. O. Keeling and W. L. Glowacki. 2,400,883; May 28.
 Light-polarizing image and manufacture. E. H. Land. 2,397,276; Mar. 26.
 Light-producing device. H. G. Hillard and C. J. Jaeger. Sr. 2,412,684; Dec. 17.
 Light sensitive device. C. Hillyer, Jr., and H. Blackstone. 2,411,323; Nov. 19.
 Light-sensitive materials. D. E. Sargent. 2,411,811; Nov. 26.
 Light signal. M. R. Douglass. 2,399,173; Apr. 30.
 Light signal. W. B. Wells. 2,407,355; Sept. 10.
 Light screen. F. R. Miller. 2,398,799; Apr. 23.
 Light source feed-back system. W. R. Le Page. 2,311,440; Nov. 19.
 Light system, Recognition. L. W. Chubb. 2,406,320; Aug. 27.
 Light tool. C. L. Beard. 2,393,880; Jan. 29.
 Light transmitting element. H. L. Decker. 2,398,624; Apr. 16.
 Light valve. W. D. Hersberger. 2,401,425; June 4.
 Lighter: See—
 Semi-automatic safety lighter.
 Lighter. J. Holtzman. 2,395,783; Feb. 26.
 Lighter. J. C. Sundby. 2,413,473; Dec. 31.
 Lighter, Cigar and cigarette. J. Galter. 2,406,071; Aug. 20.
 Lighter, Cigarette. B. Cooper and A. F. Hohmann. 2,404,435; July 23.
 Lighter, Cigarette or cigar. B. L. Polkosnik. 2,399,292; Apr. 30.
 Lighter flint. J. F. Neuberger. 2,396,114; Mar. 5.
 Lighter, Pocket. L. L. Dritz. 2,403,589; July 9.
 Lighter, Pyrophoric. L. Astroff. 2,393,451; Jan. 22.
 Lighter, Semiautomatic safety. E. R. Anderson. 2,393,508; Jan. 22.
 Lighting apparatus. P. H. Irmischer. 2,406,223; Aug. 20.
 Lighting apparatus, Down. T. W. Rolph. 2,398,507; Apr. 23.
 Lighting equipment. J. W. Morrison. 2,398,754; Apr. 16.
 Lighting equipment, Fluorescent. S. R. Naysmith. 2,395,008; Feb. 19.
 Lighting fixture. H. M. Archer. 2,392,447; Jan. 8.
 Lighting fixture, Extensible. I. I. Kloner. 2,408,783; Oct. 8.
 Lighting fixture, Gaseous discharge tube. H. R. Owen. 2,406,896; Sept. 3.
 Lighting fixture, Overhead electric. D. J. Biller. 2,411,952; Dec. 3.
 Lighting fixture servicing implement, Fluorescent. R. T. Riker and J. H. Molat. 2,409,900; Oct. 22.
 Lighting set, Decorative. T. Moore. 2,402,766; June 25.
 Lighting unit. K. Franck. 2,394,992; Feb. 19.
 Lighting unit, Fluorescent. J. E. Holmes. 2,406,145-6; Aug. 20.
 Ligneous resinous composition and producing. M. R. Dusenbury. 2,410,205; Oct. 29.
 Lignocellulosic materials, Treating. G. H. and G. H. Tomlinson, Jr. 2,408,867; Sept. 3.
 Limb, Artificial. L. C. Thornton. 2,398,977; Apr. 23.
 Lime and product thereof, Conditioning and treating. B. L. Corson. 2,409,546; Oct. 15.
 Lime, Manufacture of hydrated. H. N. Huntzicker and C. R. Norman, Jr. 2,408,647; Oct. 1.
 Limes and reducing the plasticity of aqueous suspensions thereof, Hydrated, Delomitic. C. C. Loomis and W. J. Barrett. 2,408,324; Sept. 24.
 Limit stop. R. D. McCoy. 2,397,557; Apr. 2.
 Limited torque coupling. H. B. Nelson. 2,412,630; Dec. 17.
 Limiter circuit. T. H. Price. 2,398,596; Apr. 16.
 Limiting system, Amplitude. F. J. Bingley and R. C. Moore. 2,399,091; Apr. 23.
 Line associated circuits, Resonant. H. O. Peterson. 2,402,443; June 18.
 Line and half-tone reproduction. J. A. C. Yule. 2,407,211; Sept. 3.
 Line connector. T. R. Cottrell. 2,408,045; Sept. 24.
 Line for safety belts. C. T. Lewis. 2,412,895; Dec. 17.
 Line grounding clip. H. E. Webb. 2,395,926; Mar. 5.
 Line pressure valve. J. Smisko. 2,410,132; Oct. 29.
 Line-starter cabinet. D. Ellis and J. H. Alspach. 2,393,034; Jan. 15.
 Line supporting clip. H. R. Ellinwood. 2,396,838; Mar. 19.
 Line termination, Coaxial. J. W. Tiley. 2,409,599; Oct. 15.
 Line testing system, Subscriber's. H. E. Cory and F. Wright. 2,393,236; Jan. 22.
 Line tracker control. J. M. Fowle and H. E. Kennedy. 2,397,933; Apr. 9.
 Linear dimension gauge. E. A. Cooke. 2,412,127; Dec. 3.
 Linear generator. C. M. Hines and J. W. Rush. 2,409,857; Oct. 22.
 Linear time base sweep generator. H. Atwood, Jr. 2,410,920; Nov. 12.
 Lined boxes, Method and apparatus for forming. F. D. Palmer. 2,394,935; Feb. 12.
 Liner and package for cigarettes and other articles, Reinforcing. R. S. Reynolds. 2,404,312; July 16.
 Liner for adherent rubber surfaces and the like. W. Kellgren and W. D. Hurd. 2,395,668; Feb. 26.
 Liner for water tanks. R. H. Zinkl and J. P. Newman. 2,395,606; Feb. 26.
 Liner segment, Tunnel. T. L. White. 2,404,819; July 30.
 Lines. Storing. C. D., A. J., and C. Schermuly. 2,402,093; June 11.
 Lining for metal containers, Film-forming resinous. A. H. Warth and I. F. Bulatkin. 2,413,093; Dec. 24.
 Lining for ties. M. Kleinmann. 2,394,077; Feb. 5.
 Lining, Furnace. H. N. Clark. 2,407,135; Sept. 3.
 Lining, Jordan engine. H. D. Stuck and W. W. Bolton. 2,409,433; Oct. 15.
 Lining machine, Pipe. A. G. Butler. 2,399,321; Apr. 30.
 Lining material and producing the same, Cap. W. G. Palmer. 2,408,898; Sept. 3.
 Lining materials. G. Schneider and M. E. Martin. 2,398,049; Apr. 9.
 Lining of metallurgical structures, Refractory. R. A. Schoenlaub. 2,407,725; Sept. 17.
 Lining, Sock. C. V. Watson. 2,413,534; Dec. 31.
 Lining, Tunnel. A. Bull. 2,400,071; May 14.
 Link, Belt. J. F. Barnes. 2,399,659; May 7.
 Link, Chain. W. K. Robbins. 2,406,712; Aug. 27.
 Link, Chain. H. St. Pierre. 2,400,854; May 21.
 Link, Chain. V. Shelton. 2,397,989; Apr. 9.
 Link, Detachable chain. H. St. Pierre. 2,398,897; Apr. 23.
 Link for airplane cannon, Disintegrating. H. T. Younger. 2,392,280; Jan. 1.
 Link for cartridges, Belt. L. A. Carten. 2,395,460; Feb. 26.
 Link for chains, Connecting. J. Klinge. 2,397,148; Mar. 26.
 Link for knitting machine chains. C. F. Barnes. 2,397,939; Apr. 9.
 Link, Solid forged locking stud. H. St. Pierre. 2,398,898; Apr. 23.

- Link, Stud chain locking. H. St. Pierre. 2,400,855; May 21.
- Link, Center chain. L. C. Stowell. 2,410,907; Nov. 12.
- Linking machine, Sausage. J. J. Prohaska. 2,406,163; Aug. 20.
- Links, Making caterpillar. C. H. Widman and O. Mueller. 2,403,159; July 2.
- Links, Making chain. J. C. Temple. 2,399,953; May 7.
- Links, Manufacture of cartridge. A. E. Borton. 2,397,832; Apr. 2.
- Linoleum type coverings, Fire retardant. D. H. Spitzl and R. W. Charlton. 2,412,303; Dec. 10.
- Lip, Lip. R. M. Vandergriff. 2,403,418; July 2.
- Lipstick holder. J. B. Haley. 2,397,416; Mar. 26.
- Lipstick holder. A. S. Mackey. 2,412,999; Dec. 24.
- Liquid. J. J. Felsecker. 2,404,701; July 23.
- Liquid container. L. Shakesby and S. H. Smith. 2,407,459; Sept. 10.
- Liquid delivery apparatus. F. Smith. 2,405,375; Aug. 6.
- Liquid dispenser. L. O. Leach. 2,397,321; Mar. 26.
- Liquid dispensing apparatus. G. J. Harman. 2,412,577; Dec. 17.
- Liquid dispensing apparatus. R. R. Trexler. 2,404,258; July 16.
- Liquid elevating apparatus. G. C. Marsh. 2,400,651; May 21.
- Liquid feeding apparatus. R. H. Goddard. 2,394,852; Feb. 12.
- Liquid fuel burner. J. L. Breese. 2,396,675; Mar. 19.
- Liquid fuel burner. A. Clarkson. 2,398,883; Apr. 23.
- Liquid fuel burner. E. J. Senninger. 2,397,988; Apr. 9.
- Liquid fuel burner. B. Walker. 2,404,015; July 16.
- Liquid fuel combustion apparatus. H. J. De N. McCollum. 2,396,868; Mar. 19.
- Liquid fuel pump. L. Pengilly. 2,404,983; July 30.
- Liquid-gas-phase control. R. D. Cowherd. 2,411,986; Aug. 8.
- Liquid having a comparatively small change in viscosity. Hydraulic. J. D. Morgan. 2,410,608; Nov. 5.
- Liquid having low boiling points, Dispensing. C. L. Gebauer and C. F. W. Bates. 2,400,231; May 14.
- Liquid heating apparatus. H. W. O'Dowd. 2,400,653; May 21.
- Liquid level control. J. E. Cook. 2,398,921; Apr. 23.
- Liquid level indicator. D. Heenan. 2,398,375; Apr. 16.
- Liquid level indicator. E. M. O'Neill. 2,399,291; Apr. 30.
- Liquid level responsive means. A. E. Baak. 2,394,885; Feb. 12.
- Liquid level switch. W. Grimm. 2,405,140; Aug. 6.
- Liquid material, Filtering of. B. R. Harris. 2,392,666; Jan. 8.
- Liquid phase dimerization. T. F. Doumani. 2,411,822; Nov. 26.
- Liquid product and thermostatic device embodying same. V. Morrill, Jr. 2,413,513; Dec. 31.
- Liquid products, Method of and apparatus for concentrating and dehydrating. J. M. Hall. 2,400,459; May 14.
- Liquid pump. O. Posch. 2,396,602; Mar. 12.
- Liquid-recirculating device, Pneumatically-operated. W. B. Altscheler. 2,408,721; Oct. 8.
- Liquid settling process. L. R. Koller. 2,402,900; June 25.
- Liquid spray device. A. S. Feinberg. 2,399,108; Apr. 23.
- Liquid stable at low temperatures. F. M. Clark. 2,413,170; Dec. 24.
- Liquid storage apparatus. J. H. Wiggins. 2,408,538; Oct. 1.
- Liquid storage tank. R. H. Goddard. 2,394,853; Feb. 12.
- Liquid supply system. V. L. Tannehill. 2,412,107; Dec. 3.
- Liquid treatment. F. D. Prager. 2,400,568; May 21.
- Liquid treatment. F. D. Prager. 2,411,390; Nov. 19.
- Liquid treatment. R. E. Sedgwick. 2,395,508; Feb. 26.
- Liquids and condensing vapors, Method of and apparatus for evaporating. R. V. Kleinschmidt. 2,395,004; Feb. 26.
- Liquids and semisolids, Freezing and drying. T. R. Folsom. 2,411,152; Nov. 19.
- Liquids from solids, Separation of. L. P. Sharples. 2,409,713; Oct. 22.
- Liquids, Method of and apparatus for treating. R. D. Somerby. 2,413,375; Dec. 31.
- Liquids, Ozonizing. D. K. Allison. 2,405,553; Aug. 13.
- Liquids, Process and apparatus for distilling. W. R. P. Delano. 2,402,737; June 25.
- Liquids, Sterilizing. E. C. Johnston. 2,401,077; May 28.
- Liquids, Treatment of. R. A. Hill. 2,408,021; Sept. 24.
- Liquors, Utilizing waste. H. O. V. Bergström and K. G. Trobeck. 2,406,581; Aug. 27.
- Listing machine. J. MacCallum, Jr. 2,392,488; Jan. 8.
- Lithium compounds, Production of. C. M. Nicholson. 2,413,644; Dec. 31.
- Lithium hydride, Production of. P. P. Alexander. 2,408,748; Oct. 8.
- Lithographic platemaking apparatus. J. T. Campbell. 2,412,817; Dec. 10.
- Lithographic press and protecting ink from water. J. E. Sodomka. 2,395,151; Feb. 19.
- Litter-carrying vehicle. R. A. Terry. 2,398,730; Apr. 16.
- Livestock marking tool. E. G. Stone. 2,411,944; Dec. 3.
- Lixiviating mechanism. R. C. Baumann. 2,392,452; Jan. 8.
- Load capacity testing device. L. McHarg. 2,392,096; Jan. 1.
- Load handling mechanism. L. H. Hull. 2,394,458; Feb. 5.
- Load lifter. W. A. Ross. 2,402,579; June 25.
- Load-supporting device, Constant. G. B. Farkas. 2,395,730; Feb. 26.
- Load transference unit. J. H. Jacobson. 2,405,428; Aug. 6.
- Loader. E. M. McElhinney and J. A. Podhajsky. 2,409,143; Oct. 8.
- Loader. C. B. Richey. 2,397,045-6; Mar. 19.
- Loader. J. G. Stein. 2,399,698; May 7.
- Loader. L. W. Wachter. 2,392,433; Jan. 22.
- Loader. P. P. and E. J. Wuerz. 2,404,820; July 30.
- Loader and unloader, Crop. L. C. and A. E. Struensee. 2,400,661; May 21.
- Loader apparatus, Scraper. T. F. McCarthy. 2,403,817; July 9.
- Loader, Bale. I. Z. Smoker. 2,397,570; Apr. 2.
- Loader, Beet. R. D. Griff. 2,404,629; July 23.
- Loader, Beet. C. W. Walz and R. D. Griff. 2,406,976; Sept. 3.
- Loader, Belt. A. L. Bureau. 2,397,944; Apr. 9.
- Loader for draw benches. N. H. Nye. 2,395,290; Feb. 19.
- Loader for revolvers. H. C. Lima. 2,406,231-2; Aug. 20.
- Loader, Magazine. L. L. McPheters. 2,403,012; July 2.
- Loader, Magazine. W. J. Fossum. 2,394,033; Feb. 5.
- Loader, Manure. T. J. Denning. 2,393,299; Jan. 22.
- Loader, Manure. J. M. Markel. 2,402,064; June 11.
- Loader, Manure. D. O. Neville and A. L. Plautz. 2,402,908; June 25.
- Loader, Merchandise. J. W. Mitchell and A. Herren. 2,411,286; Nov. 19.
- Loader, Tractor mounted. C. Christiansen. 2,410,567; Nov. 5.
- Loading accessory, Ammunition. G. T. Smiley. 2,400,846; May 21.
- Loading and dumping device. H. G. Hunter. 2,401,159; May 28.
- Loading and feeding apparatus for coils of strip metal. F. J. Wood. 2,404,155; July 16.
- Loading and storing pineapples, Method and apparatus for. B. J. Butler. 2,406,992; Sept. 3.
- Loading and unloading apparatus. J. C. Dobler. 2,395,173; Feb. 19.
- Loading and unloading device, Grain. J. D. Cwicz. 2,401,465; June 4.
- Loading and unloading machine. W. M. Patience and D. R. Kimball. 2,409,513; Oct. 15.
- Loading apparatus, Bin. W. Gribble. 2,401,633; June 4.
- Loading apparatus, Hay. J. E. Ringrose. 2,410,238; Oct. 29.
- Loading attachment for tractors. R. H. Galbreath. 2,395,622; Feb. 26.
- Loading device. S. C. Choat. 2,411,821; Nov. 26.
- Loading device. A. I. Mosher. 2,395,494; Feb. 26.
- Loading device, Bale. R. P. Messenger and R. D. Acton. 2,410,516; Nov. 5.
- Loading device, Boat. F. H. Squires. 2,392,008; Jan. 1.
- Loading device, Film. G. M. Dye, R. Sardeson, and R. W. Armstrong. 2,401,623; June 4.
- Loading device, Mechanical ramp. C. F. J. Smith and L. R. Bottom. 2,392,557; Jan. 8.
- Loading machine. G. E. Coats. 2,404,619; July 23.
- Loading machine. G. E. Coats. 2,405,114; Aug. 26.
- Loading machine. R. B. Elliott. 2,398,177; Apr. 9.
- Loading machine. H. F. Lessman. 2,396,107; Mar. 5.
- Loading machine. O. G. Mandt. 2,405,812; Aug. 6.
- Loading machine. J. H. Rogers and H. E. Luebbers. 2,398,964; Apr. 23.
- Loading machine. J. D. Russell, C. F. Ball, and A. S. Knoizen. 2,392,697; Jan. 8.
- Loading machine. W. C. and C. H. Shirk, J. A. and R. C. Jacobson. 2,412,297; Dec. 10.
- Loading machine. W. G. Van Voorhis. 2,413,124; Dec. 24.
- Loading machine, Ball. F. B. Kalister, J. O. Stafford, and F. J. Konyvka. 2,407,016; Sept. 3.
- Loading machine, Can cooler. S. A. Campana. 2,400,484; May 21.
- Loading machine, Detonator. C. R. Johnson. 2,403,286; July 2.
- Loading machine, Mining. N. D. Levin. 2,413,508; Dec. 31.
- Loading machine, Portable. E. Barker. 2,413,095-7; Dec. 24.
- Loaf package, Banded bread. A. T. Jones. 2,408,317; Sept. 24.
- Locating equipment. S. Goldman. 2,399,017; Apr. 23.
- Locating equipment. E. J. Wade. 2,411,077; Nov. 12.
- Locating method, Contact. H. Dahl. 2,406,281; Aug. 20.
- Locating objects, Method and apparatus for. J. H. Deming. 2,401,723; June 11.
- Locating radiated-signal reflectors, System for. A. V. Tolson. 2,407,169; Sept. 3.
- Locating system, Radiant energy. W. A. Tolson and C. A. Meneley. 2,409,456; Oct. 15.
- Locating system, Water. R. F. Farris and J. B. Clark. 2,410,278; Oct. 29.

- Locating the source of an explosion wave. System for. W. D. Goodale, Jr., B. F. Lewis, and W. H. Martin. 2,403,974; July 16.
- Locator, Radio position. D. G. C. Luck. 2,401,432; June 4.
- Lock—See—
- Automatic lock.
 - Automobile door lock.
 - Battery handle connector lock.
 - Bead lock.
 - Chest lock.
 - Combination lock.
 - Combined latch and lock.
 - Cylinder lock.
 - Dial telephone lock.
 - Door lock.
 - Heddle bar lock.
 - Inside door lock.
 - Keyless lock.
 - Laminated lock.
 - Magnetic lock.
 - Mail bag lock.
 - Nut lock.
 - Ophthalmic bridge lock.
 - Safety pocket lock.
 - Seal lock.
 - Self-locking shaft lock.
 - Shoulder harness take-up.
 - Travel lock.
 - Spindle lock.
 - Tie lock.
 - Toggle lock.
 - Transmission lock.
 - Unit lock.
 - Vehicle lock.
 - Vise lock.
 - Window lock.
 - Wrapping wire reinforcing retainer lock.
- Lock. A. J. Doyle. 2,392,906; Jan. 15.
- Lock. H. D. Freeman. 2,400,229; May 14.
- Lock. P. S. Gay. 2,402,812; June 25.
- Lock. T. H. Johnstone. 2,411,433; Nov. 19.
- Lock. M. E. Wollin. 2,408,283; Sept. 24.
- Lock actuator, Solenoid. R. R. Cole. 2,395,164; Feb. 19.
- Lock and latch for doors, Combination. I. Paul. 2,407,900; Sept. 17.
- Lock box, Permutation. H. Winterfeld. 2,407,362; Sept. 10.
- Lock for bus or car window construction. Sash. J. Schunk. 2,409,711; Oct. 22.
- Lock for firearms, Safety. G. A. Hendey. 2,401,482; June 4.
- Lock device. M. Katz. 2,406,464; Aug. 27.
- Lock device for bicycles and the like, Permanent safety. A. R. Romero. 2,406,257; Aug. 20.
- Lock hook. R. G. Boree. 2,395,990; Mar. 5.
- Lock mechanism for electrical expulsion devices. C. W. Brown. 2,392,308; Jan. 8.
- Lock nut. D. C. Eckenbeck, C. L. Madden, and P. E. Slaughter. 2,399,107; Apr. 23.
- Lock nut. T. R. Griffin. 2,407,830; Sept. 17.
- Lock nut. R. Seitz. 2,394,812; Feb. 12.
- Lock nut and assembling same. E. W. Martin. 2,412,409; Dec. 10.
- Lock-nut device. V. W. Sherman and R. Ketchum. 2,392,069; Jan. 1.
- Lockout device, Fluid. R. B. Sprague. 2,403,689; July 8.
- Lock ring. W. F. Hess. 2,411,037; Nov. 12.
- Lock ring and assembly, Bead. C. E. Zarth. 2,409,410; Oct. 15.
- Lock slider, Automatic. D. Rabinow. 2,397,693; Apr. 2.
- Lock slider, Reversible automatic. A. E. Carlile. 2,405,875; Aug. 13.
- Lock slider, Reversible automatic. C. D. Gould. 2,405,883; Aug. 13.
- Lock-stitch sewing machine. A. B. Clayton. 2,394,511; Feb. 5.
- Lock to secure nuts on bolts. H. H. Field. 2,404,128; July 16.
- Lock top container. F. J. O'Brien. 2,413,646; Dec. 31.
- Lock valve. M. J. Smith. 2,399,578; Apr. 30.
- Lockable control device. C. R. Suska and G. T. Downey. 2,399,583; Apr. 30.
- Locked-in oscillator circuit. W. F. Sands. 2,411,003; Nov. 12.
- Locker, Refrigerated. F. W. Knowles and H. A. Dudley. 2,404,851; July 30.
- Locket construction. J. Tabellario. 2,396,214; Mar. 5.
- Locking apparatus, Turbine blade. C. H. Morris. 2,406,703; Aug. 27.
- Locking assembly, Ignition and steering. R. A. Sandberg. 2,412,752; Dec. 17.
- Locking device. J. A. Herbst and M. J. Hassid. 2,401,351; June 4.
- Locking device. O. W. Marlow. 2,395,893; Mar. 5.
- Locking device. J. W. Rhodes. 2,402,842; June 25.
- Locking device. W. R. Scherb. 2,398,466; Apr. 16.
- Locking device. E. L. Sharp. 2,392,953; Jan. 15.
- Locking device. J. E. Smith. 2,397,882; Mar. 26.
- Locking device, Door. T. J. Nyhus. 2,403,993; July 16.
- Locking device, Gear shift. W. H. Mullins and W. M. Gentry. 2,411,455; Nov. 19.
- Locking device, Nut or bolt. F. W. Cleody and I. H. Mahne. 2,394,666; Feb. 12.
- Locking device, Tube. E. H. Reinschmidt. 2,392,410; Jan. 8.
- Locking device, Window guard. F. E. Amthor. 2,400,280; May 14.
- Locking means, Airplane control surface. T. G. Linnert. 2,406,233; Aug. 20.
- Locking means for pressure chamber doors. W. L. Cullen. 2,399,327; Apr. 30.
- Locking means for threaded members. P. P. Newcomb. 2,397,325; Mar. 26.
- Locking means, Insect. C. L. Paulus. 2,395,003; Feb. 19.
- Locking mechanism. S. Larsson. 2,408,024; Sept. 24.
- Locking mechanism for directional gyroscopes. L. F. Beach, O. E. Esval, and A. W. Lane. 2,406,342; Aug. 27.
- Locking mechanism, Manhole cover. A. J. Gillette. 2,402,246; June 18.
- Locking or coupling pin, short shaft, and similar devices. R. A. W. Spooner. 2,399,581; Apr. 30.
- Locomotive. C. K. Steins. 2,413,119; Dec. 24.
- Locomotive, Double-end turbine. W. A. Brecht and C. Kerr, Jr. 2,412,866; Dec. 17.
- Locomotive drive. F. L. Alben. 2,411,350; Nov. 19.
- Locomotive drive. W. A. Brecht. 2,411,363; Nov. 19.
- Locomotive, Dual power thermal. W. Giger. 2,405,352; Aug. 6.
- Locomotive front end. L. R. Pyle. 2,392,187; Jan. 1.
- Locomotive, Mine. C. E. Stoltz. 2,412,657; Dec. 17.
- Locomotive, Multiple-cylinder steam. F. W. George, Jr. 2,407,980; Sept. 24.
- Locomotive, Poppet valve. J. Kirchhof. 2,401,764; June 11.
- Locomotive, Turbine. W. A. Brecht and F. L. Alben. 2,394,037; Feb. 5.
- Locomotive underframe. M. P. Blomberg and O. J. Stampen. 2,409,730; Oct. 22.
- Log barking apparatus. M. L. Edwards, D. K. MacBain, and L. M. Johnson. 2,393,978; Feb. 5.
- Log barking apparatus. M. L. Edwards, D. K. MacBain, and L. M. Johnson. 2,396,255; Mar. 12.
- Log barking hook. W. S. Salisbury. 2,413,464; Apr. 16.
- Logging apparatus. J. L. Hurd. 2,413,048; Dec. 24.
- Logging, Well. P. S. Williams. 2,408,012; Sept. 24.
- Long-ratio-control circuit. Z. O. St. Falley. 2,411,476; Nov. 19.
- Longitudinal element in a tube, Thickening a localized. S. A. A. Westin. 2,405,478; Aug. 6.
- Loom—See—
- Circular loom.
 - Gauze weaving loom.
 - Hand loom.
- Loom. E. C. Alix and H. A. Wilson. 2,399,457; Apr. 30.
- Loom. J. O. Hunt. 2,408,645; Oct. 1.
- Loom. L. N. Linscott. 2,408,861; Oct. 8.
- Loom. S. P. Parker. 2,405,975; Aug. 20.
- Loom. S. P. Parker. 2,412,355; Dec. 10.
- Loom. G. W. B. Rickelma. 2,413,155; Dec. 24.
- Loom. R. G. Turner. 2,400,792; May 21.
- Loom check strap. J. C. Crocker. 2,393,148; Jan. 15.
- Loom reed. R. G. Turner. 2,396,974; Mar. 19.
- Loom shedding means. S. P. Parker. 2,412,354; Dec. 10.
- Loom sword, Textile. M. F. James. 2,398,144; Apr. 9.
- Loom with big weaving width. O. Zollikofer. 2,413,672; Dec. 31.
- Looms, Automatic stopping of. R. E. Bridge. 2,403,497; July 9.
- Looms, Hand wheel for. J. M. Patrick. 2,398,853; Apr. 23.
- Looms, Lay motion for axminster. N. Fletcher. 2,399,728; May 7.
- Looms, Letoff. C. Darwin. 2,398,925; Apr. 23.
- Looms, Shuttle check for. E. A. Santon. 2,399,763; May 7.
- Loop, Slide. J. N. Gilbreath. 2,411,259; Nov. 19.
- Loop, Slit. G. H. Elwell. 2,394,159; Feb. 5.
- Loop-takes of sewing machines, Timing. A. R. Wood. 2,392,793; Jan. 8.
- Loop the loop toy. L. H. Burlin. 2,392,722; Jan. 8.
- Looper throwout mechanism. A. B. Clayton. 2,397,336; Mar. 26.
- Looping machine, Multiple needle. L. Hamrick. 2,411,268; Nov. 19.
- Loops, Forming. I. R. Mitchell. 2,413,642; Dec. 31.
- Loose bulk materials, Method and apparatus for heat treating. W. A. Beane. 2,410,236; Oct. 29.
- Loose-leaf binder, Stabilized. S. Segal. 2,392,508; Jan. 8.
- Loose-speaker. M. L. Graham. 2,392,143; Jan. 1.
- Lounge, Convertible. M. Fox. 2,412,329; Dec. 10.
- Louver operating means. J. Ott. 2,405,899; Aug. 13.
- Low frequency deflecting circuit. T. T. Eaton. 2,405,510; July 9.
- Low speed motor. F. Hotchner. 2,393,045; Jan. 15.
- Low temperature process of polymerizing iso-olefinic material. H. Hartvigsen. 2,407,494; Sept. 10.
- Low-voltage high-current switch. L. L. Young. 2,412,122; Apr. 17.
- Lubricant. H. E. Ballard. 2,403,167; July 2.
- Lubricant. E. F. Engelke and W. W. Odell. 2,411,032; Nov. 12.
- Lubricant. W. E. Hanford. 2,411,159; Nov. 19.
- Lubricant. J. F. Hyde. 2,410,846; Oct. 29.
- Lubricant. C. B. Large, M. J. Zucrow, and R. L. Hirsch. 2,412,188; Apr. 17.
- Lubricant. R. L. May. 2,392,252-3; Jan. 1.
- Lubricant. J. A. Patterson. 2,403,234; July 2.
- Lubricant. A. D. Pickett. 2,410,610; Nov. 6.
- Lubricant. E. N. Roberts. 2,409,799; Oct. 22.
- Lubricant. M. L. Schwartz. 2,412,634; Dec. 17.
- Lubricant. E. Sharp. 2,398,193; Apr. 9.
- Lubricant. L. G. Vande Bogart and R. W. Manuel. 2,412,929; Dec. 17.
- Lubricant. W. T. Watkins, Jr. 2,394,954; Feb. 12.
- Lubricant additives and preparation thereof. E. Lieber and A. F. Cashman. 2,404,446; July 23.

- Lubricant and lubricating surfaces therewith. F. J. Sowa. 2,406,971; Sept. 3.
- Lubricant and preparing same. D. L. Wright and C. W. Bohmer, Jr. 2,409,333; Oct. 15.
- Lubricant and preparing the same. C. A. Cohen. 2,409,331; Dec. 15.
- Lubricant, Antifriction bearing. A. J. Morway and A. Beerbower. 2,411,587; Nov. 26.
- Lubricant-carrying means. W. P. Farrell. 2,397,342; Mar. 26.
- Lubricant, Clock. J. D. Morgan and R. E. Lowe. 2,409,444; Oct. 15.
- Lubricant composition. J. J. Giammaria. 2,410,650; Nov. 5.
- Lubricant composition. C. Winning and J. G. McNab. 2,409,726; Oct. 22.
- Lubricant compositions, Organic phosphorus. E. F. Engelke. 2,392,468; Jan. 8.
- Lubricant, Compounded. D. T. Rogers. 2,405,607-8; Aug. 18.
- Lubricant containing condensation product. E. Lieber. 2,406,549; Aug. 27.
- Lubricant, Crank case. E. W. Cook and W. D. Thomas, Jr. 2,395,105; Feb. 19.
- Lubricant, Lubricant instrument. J. D. Morgan and R. E. Lowe. 2,396,192; Mar. 5.
- Lubricant dispensing valve. F. G. Schweisthal. 2,399,147; Apr. 23.
- Lubricant, Drill. E. L. Flood. 2,408,385; Oct. 1.
- Lubricant for low temperatures. J. D. Morgan. 2,395,379; Feb. 19.
- Lubricant having high film strength. J. S. Yule. 2,394,734; Feb. 12.
- Lubricant, Instrument. J. D. Morgan and R. E. Lowe. 2,396,191; Mar. 5.
- Lubricant, Instrument. J. D. Morgan and R. E. Lowe. 2,409,443; Oct. 15.
- Lubricant, Low temperature-high temperature. J. D. Morgan and R. E. Lowe. 2,396,380; Feb. 19.
- Lubricant, Preparation of an improved. D. W. Young and H. D. Hine. 2,406,575; Aug. 27.
- Lubricant pump. E. W. Davis. 2,399,172; Apr. 30.
- Lubricants. W. Galley and I. E. Puddington. 2,394,907; Feb. 12.
- Lubricants. R. F. McCleary. 2,409,296; Oct. 15.
- Lubricants. J. M. Musselman and H. P. Lankelma. 2,396,719; Mar. 19.
- Lubricants. M. L. Schwartz. 2,412,633; Dec. 17.
- Lubricants. F. J. Sowa. 2,407,037; Sept. 3.
- Lubricants, etc. J. M. Musselman and H. P. Lankelma. 2,413,188; Dec. 24.
- Lubricants, Production of. H. M. Fraser. 2,397,956; Apr. 9.
- Lubricants Valve. J. D. Morgan and R. E. Lowe. 2,393,800; Jan. 29.
- Lubricated rail joint. E. W. Caruthers. 2,406,452; Aug. 27.
- Lubricated shaft bearing. G. E. Kopetz. 2,398,944; Apr. 23.
- Lubricated shutoff butterfly valve. D. W. Hopkins. 2,392,922; Jan. 15.
- Lubricated traveler ring. F. S. Pollock, Jr. 2,406,901; Sept. 3.
- Lubricating and hydraulic composition. W. F. Hamilton, M. F. George, Jr., and G. B. Weible. 2,392,530; Jan. 8.
- Lubricating apparatus. E. W. Davis. 2,399,171; Apr. 30.
- Lubricating apparatus. J. T. Leonard. 2,399,277; Apr. 30.
- Lubricating apparatus. L. C. Rotter and V. G. Klein. 2,394,488; Feb. 5.
- Lubricating composition. G. D. Byrkit. 2,395,457; Feb. 26.
- Lubricating composition. M. R. Fenske and G. H. Cummings. 2,407,954; Sept. 17.
- Lubricating composition. R. F. McCleary. 2,402,969; July 2.
- Lubricating composition, Mineral oil. E. Lieber and A. F. Cashman. 2,407,087; Sept. 3.
- Lubricating compositions. E. A. Evans and J. S. Elliott. 2,396,839; Mar. 19.
- Lubricating compositions. C. F. Prutton. 2,396,223; Mar. 5.
- Lubricating compositions. P. R. Van Ess, F. J. Watson, and G. M. Whitney. 2,404,871; July 30.
- Lubricating device. E. W. Davis. 2,403,058; July 2.
- Lubricating grease compositions. L. W. Sproule and J. C. Zimmer. 2,394,567; Feb. 12.
- Lubricating system. W. J. Blanchard. 2,394,889; Feb. 12.
- Lubricating system. L. Robaczynski. 2,411,391; Nov. 19.
- Lubricating system for rock drills. O. J. Schorer. 2,408,534; Oct. 1.
- Lubricating system for two-speed transmissions. J. H. Carpenter. 2,403,579; July 9.
- Lubrication. F. P. Reagan. 2,413,069; Dec. 24.
- Lubrication, Art of. W. L. Finley and J. H. Kirk. 2,400,492; May 21.
- Lubrication as applied to the processing of aluminum and aluminum alloys. F. E. Rosenstiel. 2,403,238; July 2.
- Lubrication, Bearing. D. B. Baker and W. O. Bechman. 2,409,328; July 2.
- Lubrication control. A. S. Thompson. 2,402,467; June 18.
- Lubrication for mining machine chains. F. L. Fulke. 2,400,230; May 14.
- Lubrication system. W. R. Freeman. 2,394,437; Feb. 5.
- Lubrication system. D. R. Rankin. 2,403,397; July 2.
- Lubricator; See—
Journal lubricator. Railway lubricator.
Mechanical lubricator. Sealed bearing lubricator.
Lubricator. T. C. McBride. 2,407,842; Sept. 17.
Lubricator for refrigerating systems. H. B. Lawton. 2,394,081; Feb. 5.
Lubricator for tailstock centers. Automatic. J. and H. Trenchalk. 2,409,324; Oct. 15.
Lug, Silo and tank. C. S. Anderson. 2,406,054; Aug. 20.
Lug, Washer. F. G. Krueger. 2,406,079; Aug. 20.
Luggage attachments, Hand. D. A. Kelly. 2,392,926; Jan. 15.
Luggage carrier. D. W. MacLeod. 2,409,946; Oct. 22.
Luggage framework, Making. J. Riess. 2,397,506; Apr. 2.
Lugger, Bottle. E. Scholz. 2,399,893; May 7.
Luminescent apparatus and method of developing luminescence. H. W. Leverenz. 2,403,227; July 2.
Luminescent light source. H. W. Leverenz. 2,392,161; Jan. 1.
Luminescent marking material. L. T. Weagle. 2,396,219; Mar. 5.
Luminescent material. G. R. Fonda. 2,398,629; Apr. 16.
Luminescent material. H. C. Froelich. 2,402,955; July 2.
Luminescent material. W. O. Graff. 2,400,925; May 28.
Luminescent material. H. W. Leverenz. 2,402,757; June 25.
Luminescent material. H. W. Leverenz. 2,402,760; June 25.
Luminescent material and manufacture. H. W. Leverenz. 2,409,574; Oct. 15.
Luminescent material and preparing the same. M. Swanson. 2,396,298; Mar. 12.
Luminescent material and preparing the same. W. P. Lewis. 2,402,855; June 25.
Luminescent material, Manufacturing. H. W. Leverenz. 2,402,759; June 25.
Luminescent material, Producing. S. Isenberg. 2,397,666; Apr. 2.
Luminescent materials. H. J. Dietz. 2,409,174; Oct. 8.
Luminescent screen, and manufacture. M. Sadowsky. 2,412,654; Dec. 17.
Luminous article and method. J. R. Lynch. Re. 22,769; July 2.
Luminous material. J. R. Lynch. 2,413,459; Dec. 31.
Lunette. G. W. Kelly. 2,396,576; Mar. 12.
Lung, Self contained breathing. J. Browne. 2,402,984; July 2.
Lure and trap, Radio submarine. B. Sheffield. 2,406,111; Aug. 20.
Lure, Fish. W. L. Peterson. 2,395,641; Feb. 26.
Lure, Fish. J. H. Woodward. 2,403,202; July 2.
Lure, Fishing. F. D. Sweeney. 2,402,853; June 25.
Machine. E. E. Petzold. 2,407,512; Sept. 10.
Machine and humidity responsive control therefor. J. C. Ledbetter, E. M. Pritchard, and E. W. Sherman. 2,395,787; Feb. 26.
Machine and method of relieving trapping strain on yarns. I. W. Grothey. 2,398,755; Apr. 23.
Machine control means. E. A. Munschauer, Jr. 2,404,980; July 30.
Machine drive. B. R. Abbott. 2,404,156; July 16.
Machine element. J. D. Rovick. 2,401,192; May 28.
Machine feeding mechanism. W. C. Weber. 2,394,956; Feb. 12.
Machine for applying labels to rubber hose or cable or the like. H. O. Bates. 2,402,357; June 18.
Machine for applying pneumatic pressure to cast metals. E. O. Jensen. 2,406,333; Aug. 27.
Machine for assembling commutators. W. C. Weber. 2,394,955; Feb. 12.
Machine for breaking up cartons. M. Rusch. 2,400,203; May 14.
Machine for calculating the cost of telephone calls. B. D. Willis. 2,402,222; June 18.
Machine for charging clips which form the links of cartridge belts. F. Parry. 2,412,747; Dec. 17.
Machine for cigarette booklets or like articles, Packaging. G. D. Morgan. 2,402,047; June 11.
Machine for closing containers. M. M. Sedwick. 2,411,232; Nov. 19.
Machine for coiling metal stock. J. Balla, Sr. 2,404,424; July 23.
Machine for compressing and heating electrically thermoplastic materials. G. H. Walton, J. C. Quayle, and P. Jones. 2,401,991; June 11.
Machine for covering wires with insulating materials. G. H. Walton, J. C. Quayle, and P. Jones. 2,407,354; Sept. 10.
Machine for cutting and winding materials. O. I. Judelson. 2,394,859; Feb. 12.
Machine for cutting blooms and the like. R. J. Scovill, Jr. 2,404,600; July 23.
Machine for cutting curved, self-conjugate indentations. A. Forster. 2,406,009; Aug. 20.
Machine for cutting food products. P. F. Quinn. 2,406,107; Aug. 20.
Machine for cutting metal workpieces, Blowtorch. T. L. Urquhart. 2,413,088; Dec. 24.

- Machine for cutting tile and like workpieces. C. A. Martin. 2,399,239; Apr. 30.
- Machine for cutting variable-width grooves in cutter teeth. W. P. Norton, Jr. 2,394,469; Feb. 5.
- Machine for development of power in a certain direction. F. K. E. Mannerstedt and C. J. G. Darck. 2,396,185; Mar. 5.
- Machine for dewatering and lacquering paper shotgun shell cartridges. W. N. Kling, N. A. Romanchuk, and W. H. Ward. 2,411,042; Nov. 12.
- Machine for driving curved self-retroverting nails. J. N. M. Howells. 2,403,222; July 2.
- Machine for electric welding can bodies. R. M. Mero and A. Treff. 2,412,687; Dec. 3.
- Machine for everting ball castings and similar articles. R. A. Sopp. 2,394,525; Feb. 5.
- Machine for extracting lead from its ores. O. V. De Shazo. 2,392,526; Jan. 8.
- Machine for felling trees. A. W. Randall. 2,404,655; July 23.
- Machine for filling valve bags. C. A. Adams. 2,412,026; Dec. 3.
- Machine for finishing the handles of shovels. G. C. Wharton. 2,406,728; Aug. 27.
- Machine for finishing the like, Flaking. A. L. Christiansen. 2,403,910; July 16.
- Machine for forming flat strips into articles. H. G. Woodburn. 2,402,478; June 18.
- Machine for forming heavy silver lap. T. S. Ramsdell. 2,409,898; Oct. 31.
- Machine for forming plastic binders. C. E. Emmer. 2,403,644; July 9.
- Machine for forming tablets or other articles from powdered material by compression. H. M. Kerfoot. 2,398,146; Apr. 9.
- Machine for gluing laths together. G. Maurer. 2,409,777; Oct. 22.
- Machine for grinding drills and similar tools. D. T. E. Fielding. 2,408,618; Oct. 1.
- Machine for grinding helical gears and other conjugate helical members. I. J. Gruenberg. 2,401,561; June 4.
- Machine for grinding hobs and the like. L. A. Schmidt. 2,395,910; Mar. 5.
- Machine for grinding orthodontic models. W. H. Grinnell. 2,413,619; Dec. 31.
- Machine for grinding the teeth of gear wheels. A. H. Orcutt. 2,411,456; Nov. 19.
- Machine for handling thread. P. W. Senfleben. 2,396,754; Mar. 19.
- Machine for honing camshafts. C. A. Gerlach. 2,394,438; Feb. 5.
- Machine for impregnating electric insulation. J. W. Olson. 2,410,126; Oct. 29.
- Machine for impregnating electric insulation. J. W. Olson and C. W. Bechle. 2,410,127; Oct. 29.
- Machine for leather rolling and setting. F. W. Henning. 2,396,421; Mar. 12.
- Machine for lifting and stacking receptacles. A. S. Milukin. 2,409,302; Oct. 15.
- Machine for making circular lathe brushes. J. Hall. 2,411,265; Nov. 19.
- Machine for making containers. W. W. Van Voorhis. 2,398,200; Apr. 9.
- Machine for making fiber containers. H. J. Paynter. 2,394,007; Feb. 5.
- Machine for making hinges. R. G. Cudini. 2,397,649; Apr. 2.
- Machine for making hollow rivets. C. R. Nichols, Jr., and R. H. Simpson. 2,403,297; July 2.
- Machine for making records on statistical cards. N. G. Holden. 2,397,605; Apr. 2.
- Machine for making rifling rings or the like. M. D. Walklett. 2,412,930; Dec. 17.
- Machine for making sun screens. W. B. Ewing. 2,405,197; Aug. 6.
- Machine for manufacturing recessed plasterboard. R. H. Hurd. 2,392,923; Jan. 15.
- Machine for manufacturing slide fasteners. N. Stern. 2,396,447; Mar. 12.
- Machine for manufacturing spiral vanes. A. E. Biermann. 2,403,573; July 9.
- Machine for metallic cartridge belt links. Testing. P. O. Persson and C. W. Spohr. 2,405,098; July 30.
- Machine for metering cement to lenses. W. T. Sherwood. 2,407,208; Sept. 3.
- Machine for molding. C. S. Pfeilsticker. 2,394,260; Feb. 5.
- Machine for molding thermo setting materials. R. H. Windsor and E. Gaspar. 2,410,324; Oct. 29.
- Machine for operating on materials. L. A. Welsch. 2,409,068; Oct. 22.
- Machine for packaged goods, inspection. J. H. Reynolds. 2,393,188; Jan. 15.
- Machine for pallets and the like, Portable hoisting and transporting. R. Hastings, Jr. 2,393,902; Jan. 29.
- Machine for performing division. Calculating. A. F. Pott. 2,408,097; Sept. 24.
- Machine for piercing refractory bodies. W. C. Moses. 2,402,831; June 25.
- Machine for piercing wire drawing die units. J. L. Smeyers. 2,412,101; Dec. 3.
- Machine for producing convex surfaces. J. T. Bolas, R. W. Edwards, and W. J. Latty. 2,403,168; July 2.
- Machine for producing screw threads. A. Green. 2,403,075; July 2.
- Machine for producing staple fibers from silvers composed of continuous fibers. W. Holdsworth. 2,409,566; Oct. 15.
- Machine for profiling masses of material. W. H. Bailey. Re. 22,737; Apr. 2.
- Machine for progressive sheet metal forming. Die. H. V. Detlman. 2,405,738; Aug. 13.
- Machine for rabbeting and coating the shiplap edges of siding panels. W. Johnson and J. W. H. Bruneau. 2,402,633; June 25.
- Machine for ramming up molds and the like. S. M. Steedly and R. L. Abos. 2,401,198; May 28.
- Machine for reinforcement of flexible webs. G. A. G. Beerli. 2,395,799; Mar. 5.
- Machine for sealing bags. E. E. Messmer. 2,410,834; Nov. 12.
- Machine for sealing-in of vitreous bulbs. L. D. Morand. 2,396,801; Mar. 19.
- Machine for shaping stock. A. A. Schwartz. 2,409,903; Oct. 22.
- Machine for shaping uppers over lasts. B. Jorgensen. 2,408,022; Sept. 24.
- Machine for sharpening circular saws, milling-cutters and the like. C. E. Drake. 2,410,274; Oct. 29.
- Machine for shredding, grating, and/or slicing foodstuffs. L. Orland. 2,411,333; Nov. 19.
- Machine for slotting screws. J. A. Rush. 2,408,686; Oct. 22.
- Machine for splitting tubular fabric, opening it and extracting moisture therefrom. H. W. Birch. 2,410,146; Oct. 29.
- Machine for surfacing concrete. R. E. Davis. 2,395,399; Feb. 26.
- Machine for the application of ceramic color. E. Hardesty. 2,411,269; Nov. 19.
- Machine for threading coil forms. S. H. Stupakoff. 2,409,993; Oct. 22.
- Machine for treating skins and the like. B. C. Nelson. 2,407,380; Sept. 10.
- Machine for treating tanned skins. E. E. Winkley. 2,404,873; July 30.
- Machine for use in harvesting fruit from low growing plants. N. Jelderks. 2,395,124; Feb. 19.
- Machine for use in lasting shoes. C. A. Robinson. 2,394,205; Feb. 5.
- Machine for use in the manufacture of prewelt shoes. E. A. Holmgren. 2,406,462; Aug. 27.
- Machine for washing plates, dishes, and other articles used for meals. R. Nundy. 2,395,009; Feb. 19.
- Machine for winding coils. K. H. Weber. 2,401,676; Aug. 4.
- Machine for winding fin stocks. J. D. Lear. 2,408,322; Sept. 24.
- Machine for wrapping plastic materials. A. Russell, M. Parker, and R. A. Harris. 2,397,812; Apr. 2.
- Machine gun feed mechanism. J. C. Trotter. 2,413,665; Dec. 31.
- Machine gun, Multiple barrel. E. H. Walthe. 2,410,848; Nov. 12.
- Machine guns, Sighting means for. V. Slazik. 2,412,298; Dec. 10.
- Machine or apparatus for placing concrete pavements and the like. C. Jackson. 2,396,426; Mar. 12.
- Machine, Sewing. N. V. Christensen and G. Sauer. 2,400,741; May 21.
- Machine tool. R. H. Clark. 2,405,686; Aug. 13.
- Machine tool. A. J. Conn and R. B. Stanley. 2,399,594; Apr. 30.
- Machine tool. K. F. Gallimore and H. B. Kraut. 2,400,819; May 21.
- Machine tool. G. J. Hartnett, Jr., and C. Ziegler. 2,396,370; Mar. 12.
- Machine tool. F. W. Henke. 2,407,985; Sept. 24.
- Machine tool. J. R. Huntley. 2,408,646; Oct. 1.
- Machine tool. G. H. Jones. 2,395,485; Feb. 26.
- Machine tool. H. E. Kraut and K. F. Gallimore. 2,393,696; Jan. 29.
- Machine tool. O. and H. O. Kylin and M. L. Valentino. 2,405,435; Aug. 6.
- Machine tool. M. J. Larsen. 2,392,486; Jan. 8.
- Machine tool. J. H. Mansfield. 2,392,169; Jan. 1.
- Machine tool. G. Melling, Sr. 2,404,859; July 30.
- Machine tool. Le I. D. Noble, A. H. Stanton, Jr., and J. G. Jergens. 2,396,281; Mar. 12.
- Machine tool. R. Powell. 2,403,119; July 2.
- Machine tool. K. Rauch. 2,397,503-4; Apr. 2.
- Machine tool. W. S. Reaick and G. E. Nighthart. 2,399,759; May 7.
- Machine tool. R. A. Schafer. 2,405,718; Aug. 13.
- Machine tool. C. H. Schurr. 2,405,522; Aug. 6.
- Machine tool. J. C. Wilson. 2,398,268; Apr. 9.
- Machine tool. L. I. Yeomans and De W. Clausen. 2,405,387; Aug. 6.
- Machine tool control. F. A. Barnes. 2,412,957; Dec. 24.
- Machine tool cutter. L. I. Kaplan and B. G. von Reis. 2,392,481; Jan. 8.
- Machine tool having a torque measuring device. F. H. Bogart. 2,402,273; June 18.
- Machine tool spindle mounting and lubrication system. C. Wilken and E. A. Reibig. 2,397,178; Mar. 26.

- Machine tool support. M. J. Fett. 2,392,035; Jan. 1.
Machine tool table drive. J. M. Walter. 2,396,139; Mar. 5.
Machinery, Textile. J. W. Tucker. 2,408,587; Oct. 1.
Machinist's gauge. G. Koning. 2,397,492; Apr. 2.
Magazine. Camera. I. W. Doyle and R. A. White. 2,403,587; July 9.
Magazine conversion unit. J. L. Boudreau. 2,396,816; Mar. 19.
Magazine, Film. P. W. Duke. 2,405,195; Aug. 6.
Magazine for firearms. J. Vesely. 2,407,461; Sept. 10.
Magazine for nail feeding mechanism. P. Schultze. 2,402,776; Jan. 8.
Magazine for safety razor blades. N. Testi. 2,392,433; Jan. 8.
Magazine for safety razor blades. N. Testi. 2,392,869; Jan. 15.
Magazine for safety razor blades. N. Testi. 2,405,621; Aug. 13.
Magician's device. H. Dobrin. 2,400,982; May 28.
Magnesia and potash from the waters of the Great Lake, Obtaining. A. M. Thomson. 2,404,550; July 23.
Magnesia of magnesium silicates, Liberation of the. W. H. MacIntire. 2,393,920; Jan. 29.
Magnesium and other metals, Producing. S. E. Hybinette and F. C. Cary. 2,396,658; Mar. 19.
Magnesium carbonate, Manufacture of normal. H. W. Golder and R. A. MacArthur. 2,396,915; Mar. 19.
Magnesium carbonate, Producing molded basic. A. R. McGarvey. 2,409,297; Oct. 15.
Magnesium chloride from serpentine, Production of. C. A. Butt, A. O. Hallman, C. L. Bowden, E. P. Whitlow, and P. P. Pace. 2,398,493; Apr. 16.
Magnesium chloride fusions, Electrolysis of. W. — Gardner. 2,396,171; Mar. 5.
Magnesium chloride liquors containing suspended calcium carbonate, Producing. R. B. MacMullin and G. G. Day. 2,400,860; May 14.
Magnesium compounds, Producing. H. B. Chalmers. 2,402,370; June 18.
Magnesium compounds, Recovery of. S. B. Heath and F. R. Minger. 2,398,743; Aug. 16.
Magnesium-containing mixtures, Production of. A. C. Byrns. 2,399,096; Apr. 23.
Magnesium, Electrolytic production of. B. G. Hunt and R. B. MacMullin. 2,393,686; Jan. 29.
Magnesium, Handling molten. W. D. Holland, C. W. Berry, and W. O. McClintock. 2,399,634; May 7.
Magnesium hydroxide from sea water. H. A. Robinson, R. E. Friedrich, and R. S. Spencer. 2,405,055; July 30.
Magnesium metal and the like, Melting. E. C. Lyons. 2,398,466; Oct. 15.
Magnesium powder, Manufacturing. H. E. Hall and A. F. Knoll. 2,394,052; Feb. 5.
Magnesium, Producing. H. J. Gogorzal. 2,393,704; Jan. 29.
Magnesium silicate adsorbent agent, Product and method of forming a precipitated. O. Fitz Simons. 2,393,625; Jan. 29.
Magnesium silicate medicament, Gastro-intestinal. R. Kosman and H. Risenberg. 2,394,107; Feb. 5.
Magnesium thiosulfate and magnesium oxide from dolomite, Production of. W. H. MacIntire. 2,403,940; July 16.
Magnesium-titanium-oxygen compounds and preparing the same. A. T. McCord and H. F. Saunders. 2,403,228; July 2.
Magnet and armature, Circuit breaker holding. D. I. Bohn. 2,412,247; Dec. 10.
Magnet, Permanent. J. D. Seaver. 2,405,455; Aug. 6.
Magnet, Permanent separating. J. J. Kehoe. 2,405,655; Aug. 13.
Magnet, Pull-off. R. G. Jewell. 2,401,160; May 28.
Magnet structure, Permanent. S. I. Hitchcock. 2,404,710; July 23.
Magnetic analysis. T. Zuschlag. 2,398,488; Apr. 16.
Magnetic body. A. F. Bandur. 2,412,668; Dec. 17.
Magnetic clutch. A. M. MacCallum. 2,407,757; Sept. 17.
Magnetic clutch. T. A. Rich. 2,411,055; Nov. 12.
Magnetic compass deviation compensator. R. A. Pfuntner and E. D. Wilson. 2,405,050; July 30.
Magnetic control. I. L. Case. 2,406,489; Aug. 27.
Magnetic controlling device. J. B. Glennon, A. H. Sellman, and W. R. Mathey. 2,397,137; Mar. 26.
Magnetic core. J. B. Seastone and W. H. Brandt. 2,412,914; Dec. 17.
Magnetic core structures. A. D. Forbes. 2,393,038; Jan. 5.
Magnetic coupling means for controlling gyro instruments. R. S. Curry, Jr. 2,397,949; Apr. 9.
Magnetic deflection corrected compass. F. D. Braddon. 2,411,866; Dec. 3.
Magnetic detecting devices and supports therefor, Installing. J. F. G. Miller and R. MacHenry. 2,405,595; Aug. 13.
Magnetic device. S. Karasick. 2,404,072; July 16.
Magnetic fixture. J. H. Barrett. 2,405,773; Aug. 13.
Magnetic frequency multiplier. H. M. Hugs. 2,395,389; Feb. 26.
Magnetic housing for electromagnet devices. F. W. Godsey, Jr. 2,399,343; Apr. 30.
Magnetic inspection, Means for. M. L. Magee. 2,392,168; Jan. 1.
Magnetic lock. W. F. Stroud. 2,393,428; Jan. 22.
Magnetic materials. R. P. Cross, Jr., J. F. Dillinger, and A. N. Ogden. 2,393,295; Jan. 22.
Magnetic materials. D. R. Howerton. 2,396,375; Mar. 12.
Magnetic means for keeping umbrellas closed. L. Montalvo. 2,405,044; July 30.
Magnetic motor. C. P. Collins. 2,408,375; Oct. 1.
Magnetic separation. A. H. Schutte. 2,398,725; Apr. 16.
Magnetic separator. R. E. Crockett. 2,410,601; Nov. 5.
Magnetic separator. R. M. Tunis. 2,392,624; Jan. 8.
Magnetic signal device. L. B. Haigh and F. A. Stearn. 2,393,901; Jan. 29.
Magnetic structure. W. I. Linlor. 2,398,653; Apr. 16.
Magnetic swivel work holder. G. J. Carson. 2,409,017; Oct. 8.
Magnetic testing. G. W. Coon. 2,394,152; Feb. 5.
Magnetic valve for organs, Multiple. W. H. Reisner. 2,392,411; Jan. 8.
Magnetically operated switch. A. S. Raettig. 2,410,746; Nov. 5.
Magneto. W. D. Crocker and F. S. Coe. 2,394,234; Feb. 5.
Magneto. R. E. Phelon. 2,392,500; Jan. 8.
Magneto ignition system. L. P. Kongsted. 2,395,629; Feb. 26.
Magneto testing. B. J. Haskins. 2,402,749; June 25.
Magneto testing apparatus. M. H. Elkin. 2,396,991; Mar. 19.
Magneton. R. J. Bondley. 2,404,212; July 16.
Magneton. E. D. McArthur. 2,412,824; Dec. 17.
Magneton. G. L. Usselman. 2,412,372; Dec. 10.
Magneton and circuit therefor. C. W. Hansell. 2,409,038; Oct. 8.
Magneton, High efficiency. P. L. Spencer. 2,408,235; Sept. 24.
Magneton, High efficiency. P. L. Spencer. 2,410,396; Oct. 29.
Magneton, Tunable. P. L. Spencer. 2,408,234; Sept. 24.
Magneton, Tunable. P. L. Spencer. 2,408,237; Sept. 24.
Magnets, Manufacturing built-up permanent. T. Iseki. 2,392,592; Jan. 8.
Magnets, Manufacture of permanent. A. Linley and A. Torry. 2,398,018; Apr. 9.
Magnifier. R. F. E. Stegeman. 2,394,946; Feb. 12.
Magnifying glass attachment for lamps. A. Burski. 2,394,231; Feb. 5.
Magnifying lens system. M. Reiss. 2,394,635; Feb. 12.
Mail bag lock. J. Taylor. 2,399,952; May 7.
Mail box. E. J. Amix. 2,407,128; Sept. 3.
Mail box fitting. W. R. Bankson. 2,405,780; Aug. 14.
Maker and breaker, Inertia operated circuit. D. C. Wiley. 2,400,278; May 14.
Make-up and sponge container. J. L. Younghusband. 2,401,127; May 28.
Mallet, Serving. A. A. Laughery, Jr. 2,401,357; June 4.
Malonylchloride, Producing substituted. M. S. Kharasch. 2,397,669; Apr. 2.
Mandrel. V. W. Gideon. 2,410,493; Nov. 5.
Mandrel. J. J. Palotsee. 2,392,259; Jan. 1.
Mandrel for belt stretcher, Removable. T. P. Tapper. 2,404,013; July 16.
Mandrel for forming enlarged vibration dampening elements in hose sections. W. L. Stivason. 2,395,144; Feb. 19.
Manganese electrolytes, Purification of. J. W. Hunter. 2,392,385; Jan. 8.
Manganese in metal state, Purifying. P. Guareschi. 2,396,570; Mar. 12.
Manganese, Making. T. A. Mitchell. 2,398,589; Apr. 16.
Manganese ore reduction treatment. E. M. Wanamaker, R. H. Cromwell, and H. L. Chamberlain. 2,397,824; Apr. 2.
Manicure device. C. T. Shoop. 2,408,888; Oct. 8.
Manifold assembly. A. J. Eldred. 2,409,262; Oct. 15.
Manifold, Hot spot. D. Gardner. 2,395,264; Feb. 19.
Manifold support. A. Nelson and H. H. Niemann. 2,403,823; July 9.
Manifolding assembly. J. A. Gilbert. 2,395,808; Mar. 5.
Manifolding assembly with pressure stub. J. G. Kerr and P. M. Scott. 2,400,356; May 14.
Manipulative, attention-attracting device. S. Emerson and S. H. Waldron. 2,392,908; Jan. 15.
Manipulator. E. E. Brosius. 2,397,530; Apr. 2.
Manipulator. C. Merwin. 2,407,568; Sept. 10.
Manual, Service inspection. D. B. Erminger. 2,407,067; Sept. 3.
Manually operated arresting hook. G. W. Lescher and W. H. Stet. 2,407,709; Sept. 17.
Manufacture. S. Kaplan. 2,410,382; Oct. 29.
Manufacture of filaments and fibres. H. Cowling. 2,397,338; Mar. 26.
Manufacture of 4-keto-tetrahydrothiophenes. A. W. D. Avison, F. Bergel, and J. W. Haworth. 2,408,519; Oct. 8.
Manufacture of ketols and other derivatives of 1,2-diketones. D. S. Calder and K. B. Fleer. 2,401,336; June 4.
Manufacture of MgCl₂. R. B. MacMullin. 2,393,115; Jan. 15.
Manufacture of wire mesh fabric. G. R. Roemer. 2,401,319; June 4.
Map and location finding means therefor. C. R. Southwell. 2,411,300; Nov. 19.

- Map device. W. Ryan. 2,404,988; July 30.
- Margarine, Making. J. Stanley. 2,402,690; June 25.
- Marine carburetor clutch control. C. Pozgay. 2,411,463; Nov. 19.
- Marine drive, Diesel electric. H. H. Curry and A. M. Dudley. 2,411,367; Nov. 19.
- Marine friction coupling. E. E. Arnold and V. M. White. 2,393,010; Jan. 15.
- Marine oil tank. E. R. Vorenkamp. 2,402,790; June 25.
- Marine structure. A. L. L. Baker. 2,398,351; Apr. 16.
- Marker. T. W. Johnson. 2,395,553; Feb. 26.
- Marker for airports, Luminous. E. M. Farris. 2,410,277; Oct. 29.
- Marker for books and the like, Place. J. Eifel. 2,408,974; Oct. 8.
- Marker mechanism, Thread. R. L. Dashew. 2,410,270; Oct. 29.
- Marker, Point. C. L. Beard. 2,408,595; Oct. 1.
- Marking machine. E. C. Horton. 2,408,516; Oct. 1.
- Marking machine, Thread. J. Dashew. 2,412,768; Dec. 1.
- Marking mechanism, Bobbin. O. W. Schlums. 2,404,462; July 23.
- Marking molded blocks, Method and apparatus for. H. F. Geist. 2,395,865; Mar. 5.
- Marking or embossing machine. A. Simons. 2,399,397; Apr. 30.
- Markings to surfaces, Application of. P. E. James. 2,403,084; July 2.
- Mask, Anesthetic. J. N. Lane. 2,393,326; Jan. 22.
- Mask, Aviation. A. H. Bulbullan. 2,398,076; Apr. 9.
- Mask construction. A. H. Bulbullan. 2,403,046; July 2.
- Mask or helmet, Molder's. E. S. Hebel. 2,400,993; May 28.
- Mask, Photographic tone correction. R. M. Evans and W. T. Hanson, Jr. 2,405,739; Aug. 13.
- Mask, Voice transmitting gas. A. V. Motsinger. 2,410,454; Nov. 5.
- Mask, Welder's. W. H. Kitchen. 2,402,820; June 25.
- Masonry structure and units used therewith. A. J. Bohn. 2,397,119; Mar. 26.
- Massaging machine. E. W. Curtis. 2,395,040; Feb. 19.
- Mast, Antenna. J. R. Campbell. 2,398,357; Apr. 16.
- Mast, pole, and the like. W. C. Scrivener and A. G. Brewer. 2,410,246; Oct. 29.
- Masts, Lightweight. H. A. Moore. 2,409,060; Oct. 8.
- Mat and heel protector. H. Hurford. 2,410,412; Nov. 5.
- Mat, Ground. F. H. Ruppel. 2,402,090; June 11.
- Mat, Ground. F. H. Ruppel. 2,404,097; July 16.
- Match and cigarette container. G. F. Ruhe. 2,410,684; Nov. 5.
- Match-box making machine. N. E. Garrison. 2,392,983; Jan. 15.
- Match holder and windshield. A. E. Andon. 2,411,314; Nov. 19.
- Match splitting device, Safety. J. B. González. 2,396,322; Mar. 12.
- Matching device, Impeding. E. Labin and J. H. Nye. 2,406,839; Sept. 3.
- Material and heat transfer, Effecting. A. G. Deem. 2,394,293; Feb. 5.
- Material, Drying of. W. W. Spooner. 2,401,520; June 4.
- Material for providing traction. B. H. Wait. 2,410,910; Nov. 12.
- Material for sealing off porous formations in wells. F. M. Anderson. 2,398,347; Apr. 16.
- Material for use in the manufacture of process cheese, Making. H. W. Bryant. 2,392,362; Jan. 8.
- Material forming and drawing with the aid of vibration. A. Yang. 2,393,131; Jan. 15.
- Material forming apparatus. J. T. Muller. 2,398,387; Apr. 16.
- Material forming apparatus. O. Stenson and R. A. Vinson. 2,393,718; Jan. 29.
- Material from cereals, legumes, and other food products, Method and apparatus for removal of heavy objectionable. H. M. Sutton. 2,404,414; July 23.
- Material, Handbag. B. Kalisher. 2,404,846; July 30.
- Material, handling and like apparatus. A. A. Saul. 2,400,890; May 28.
- Material handling attachment for tractors. K. E. Martin. 2,395,634; Feb. 26.
- Material handling construction. C. C. Stokes. 2,413,661; Dec. 31.
- Material handling device. B. Ender. 2,412,570; Dec. 17.
- Material handling mechanism. W. R. Dickson. 2,409,346; Oct. 15.
- Material haulage vehicle. C. F. Osgood. 2,394,006; Feb. 5.
- Material in container, Measurement of. F. F. Hauptman. 2,400,411; May 14.
- Material level indicator. J. B. Gaffney. 2,399,015; Apr. 23.
- Material, Sizing. A. R. Fuller. 2,403,515; July 9.
- Material treating apparatus. A. W. Arnold. 2,395,090; Feb. 19.
- Material treating apparatus. L. S. Petersen. 2,399,570; Apr. 30.
- Material treating tank. C. S. Brown. 2,391,876; Jan. 1.
- Material working apparatus. P. Komroff, S. Pitt, and D. V. Waters. 2,392,482; Jan. 8.
- Material working apparatus. E. J. Svenson. 2,395,518; Feb. 26.
- Materials for gelatins, Flavoring. K. M. Gaver. 2,404,763; July 23.
- Materials, Laminated. A. R. McGarvey. 2,410,586; Nov. 5.
- Materials, Processing of. E. L. Wiegand. 2,392,019; Jan. 1.
- Materials, Semiconducting. H. H. Barker. 2,397,082; Mar. 26.
- Matrix assembler lever mechanism. J. W. Powers. 2,399,252; Apr. 30.
- Matrix clamp. I. B. Slayland. 2,400,172; May 14.
- Matrix for making light transmitting screens. O. C. Martin. 2,404,448; July 23.
- Matrix, Stereotype. F. E. Reilly. 2,401,018; May 28.
- Mattress. J. W. Bowerson. 2,403,043; July 2.
- Mattress. M. Cunningham. 2,399,628; May 7.
- Mattress. M. Dubick. 2,408,382; Oct. 1.
- Mattress. M. Marsack. 2,398,237; Apr. 9.
- Mattress construction. A. Auerbach. 2,412,953; Dec. 24.
- Mattress cover. N. C. Armstrong. 2,400,731; May 21.
- Mattress treating machine, Blower type of. E. J. Antonelli. 2,397,586; Apr. 2.
- Mattress sections, Operating means for inclinable. M. T. Waldo. 2,395,699; Feb. 26.
- Measurement apparatus, Resonant circuit saturable core. S. C. G. 2,412,046; Dec. 3.
- Measurement, Circuit time constant. D. Blitz. 2,408,727; Oct. 8.
- Measurement, Dimension. N. F. Agnew and W. P. Place. 2,399,305; Apr. 30.
- Measurement, surface tension. H. L. Cupples. 2,401,053; May 28.
- Measurement of time between pulses. W. S. Wilson. 2,412,111; Dec. 3.
- Measurer and feeder, Aggregate. R. R. Colburn. 2,413,293; Dec. 31.
- Measuring and control apparatus. T. R. Harrison. 2,404,342; July 16.
- Measuring and control apparatus. W. P. Willis. 2,413,128; Dec. 24.
- Measuring and control system. J. D. Ryder and A. J. Hornfeck. 2,402,210; June 18.
- Measuring and controlling apparatus. A. H. Swanson. 2,413,120; Dec. 24.
- Measuring and controlling apparatus. R. F. Wild. 2,404,344; July 16.
- Measuring and cutting device. R. H. Kress. 2,393,384; Jan. 22.
- Measuring and delivery means, Liquid. A. J. Whitcomb and G. Fox. 2,411,309; Nov. 19.
- Measuring and dispensing apparatus, Liquid. J. A. Logan. 2,413,057; Dec. 24.
- Measuring and feeding device, Automatic metal. W. H. Schwartz and N. Lester. 2,397,512; Apr. 2.
- Measuring and load controlling apparatus, Strain. N. H. Roy and J. L. Bisesi. 2,411,139; Nov. 19.
- Measuring and recording gas interchangeability, Method of and apparatus for. E. X. Schmidt. 2,399,830; May 7.
- Measuring and testing device. A. Rickenmann. 2,407,576; Sept. 10.
- Measuring apparatus. H. F. Farrance. 2,401,920; June 11.
- Measuring apparatus. W. H. Kliever. 2,407,838; Sept. 17.
- Measuring apparatus. J. C. Naegele. 2,413,065; Dec. 24.
- Measuring apparatus. W. E. Shoupp. 2,408,230; Sept. 24.
- Measuring apparatus. M. H. Taylor and T. W. Clifford. 2,412,017; Dec. 3.
- Measuring apparatus. W. P. Willis. 2,404,894; July 30.
- Measuring apparatus. J. R. Woodyard. 2,411,916; Dec. 3.
- Measuring apparatus. R. W. Young. 2,412,665; Dec. 17.
- Measuring apparatus, Electrical. C. Anderson. 2,399,903; May 7.
- Measuring apparatus, Flow. J. S. Silver. 2,402,350; June 18.
- Measuring apparatus, Heat. F. L. Current. 2,412,564; Dec. 17.
- Measuring device. J. Bergier. A. Eskenazi, and A. Helbroner. 2,411,513; Nov. 26.
- Measuring device. H. F. Farrance. 2,399,012; Apr. 23.
- Measuring device. F. W. Koppersmith. 2,397,494; Apr. 2.
- Measuring device. E. E. Libman and H. Lehde. 2,398,904; Apr. 23.
- Measuring device. S. Rosen. 2,410,552; Nov. 5.
- Measuring device, Cloth. J. A. Firechling. 2,408,140; Aug. 20.
- Measuring device, Concentric line. W. W. Hansen. 2,404,797; July 30.
- Measuring device, Drink. F. H. Osborne. 2,396,527; Mar. 12.
- Measuring device, Fluid quantity. H. von Hortenau. 2,406,723; Aug. 27.
- Measuring device, Foot. H. E. Clarke. 2,394,149; Feb. 5.
- Measuring device for photographic enlargers, Light. L. L. Weissglass. 2,411,486; Nov. 19.
- Measuring device, Temperature. H. von Hortenau. 2,411,120; Nov. 12.
- Measuring device, Ultra high frequency. J. W. Coltman. 2,408,198; Sept. 24.

- Measuring device, Wave producing and wave frequency. S. W. Seeley. 2,403,958; July 16.
- Measuring dispenser. J. Gumilar. 2,401,684; June 4.
- Measuring dispenser. J. W. Porter. 2,393,475; Jan. 22.
- Measuring instrument. G. A. Gruss. 2,392,916; Jan. 15.
- Measuring instrument. P. J. Nealon. 2,399,288; Apr. 30.
- Measuring instrument. J. S. Neff. 2,397,196; Mar. 31.
- Measuring instrument. O. S. Petty. 2,413,651; Dec. 26.
- Measuring instrument, Additive multirange electronic. S. J. Smith. 2,413,389; Dec. 31.
- Measuring instrument, Electrical. B. E. Grace. J. Handley, and G. Gilliver. 2,408,060; Sept. 24.
- Measuring instrument, Electrical. J. Handley. 2,396,464; Mar. 12.
- Measuring instrument, Electrical. B. E. Lenehan and G. J. Wey. 2,408,218; Sept. 24.
- Measuring instrument, Electrical. A. G. Stimson. 2,411,010; Nov. 12.
- Measuring instrument for determining the orbital acceleration and the functions thereof. C. von den Steinen. 2,396,617; Mar. 12.
- Measuring instrument, Obstetrical. H. B. Biscov. 2,394,140; Feb. 5.
- Measuring instrument, Pendulum vertical angle. R. A. Owens. 2,412,831; Dec. 17.
- Measuring instrument, Pressure responsive. A. J. Rosenberger. 2,408,685; Oct. 1.
- Measuring line stripping block. W. P. Morris. 2,413,367; Dec. 31.
- Measuring machine, Warpage. A. A. Boehm, Jr. 2,407,648; Sept. 17.
- Measuring radiations, Method of and apparatus for. R. H. Morgan and P. C. Hodges. 2,401,283; May 28.
- Measuring system. A. J. Hornbeck. 2,406,221; Aug. 20.
- Measuring system. W. Melas and J. Razez. 2,411,330; Nov. 19.
- Measuring system. J. P. Smith. 2,410,755; Nov. 5.
- Measuring system and triangular wave generator for use therein. W. A. Miller. 2,413,063; Dec. 24.
- Measuring system, Frequency. O. R. Miller. 2,405,597; Aug. 13.
- Measuring system, Pulse width. E. Labin and D. D. Grieg. 2,411,547; Nov. 26.
- Measuring system, Temperature. J. M. Wilson. 2,407,361; Sept. 10.
- Measuring system, Velocity. H. Suter. 2,402,464; June 18.
- Measuring tool. M. Litman. 2,395,130; Feb. 19.
- Measuring valve. R. Wedberg. 2,392,017; Jan. 1.
- Meat, Refrigeration of. J. A. Brewster and E. F. Fernandez. 2,402,121; June 18.
- Meat tendering machine. A. H. Ahmndt. 2,408,747; Oct. 8.
- Meat treatment. G. R. Henney and J. H. Johnson. 2,398,636; Apr. 16.
- Melts containing fats in a fluid current, Dehydrating. W. A. Noel. 2,406,395; Aug. 27.
- Mechanical collar. W. E. Thomas. 2,399,584; Apr. 30.
- Mechanical drawing press. W. Klocke. 2,404,181; July 16.
- Mechanical energy, Translating. R. D. Brown, Jr. 2,405,109; Aug. 13.
- Mechanical grinding stone. A. J. Ford. 2,412,141; Dec. 3.
- Mechanical impedance, Measuring. W. R. Koch. 2,394,455; Feb. 5.
- Mechanical lubricator. B. E. Folke. 2,406,599; Aug. 27.
- Mechanical motion, System for indicating. J. K. Johnson. 2,407,282; Sept. 10.
- Mechanical movement. J. D. Bell. 2,408,546; Oct. 1.
- Mechanical movement. H. L. Blum. 2,396,410; Mar. 12.
- Mechanical movement. S. J. Finn. 2,394,676; Feb. 12.
- Mechanical movement. A. S. King. 2,397,147; Mar. 26.
- Mechanical movement. E. H. Korte. 2,405,360; Aug. 6.
- Mechanical movement. E. C. Reutlinger. 2,398,963; Apr. 23.
- Mechanical movement. R. I. N. Weingart. 2,413,203; Dec. 24.
- Mechanical movement. C. H. Woods. 2,398,486; Apr. 16.
- Mechanical refrigerating system. R. W. Waterliff. 2,394,953; Feb. 12.
- Mechanical release. L. P. Frieder and W. S. Finken. 2,410,818; Nov. 12.
- Mechanical shock apparatus. R. A. Baudry, F. C. Rushing, and J. C. Fink. 2,412,867; Dec. 17.
- Mechanical vibrations, Producing. E. E. Turner, Jr. 2,413,012; Dec. 24.
- Mechanically propelled vehicle. E. T. J. Tapp. 2,404,256; July 16.
- Mechanism for actuating machine tool supports. G. A. Vahlmark. 2,395,946; Mar. 5.
- Mechanism for aircraft, Arresting. C. A. Nicholson. 2,399,244; Apr. 30.
- Mechanism for applying bale ties. L. B. Stants. 2,411,473; Nov. 19.
- Mechanism for automobile doors, Ventilator. D. L. Chandler. 2,404,432; July 23.
- Mechanism for contact printing. G. L. Hassler. 2,408,310; Sept. 24.
- Mechanism for controlling the flow of fluid or gas. J. H. Buckman, E. Meincke, and L. W. Young. 2,392,806; Jan. 15.
- Mechanism for conveyers, Stripper. C. A. Davidson. 2,398,821; Apr. 23.
- Mechanism for creping paper. F. P. Wood. 2,393,672; Jan. 23.
- Mechanism for differential drives. H. W. Butterworth and W. B. Heinz. 2,392,226; Jan. 1.
- Mechanism for feeding combustion liquids to rocket apparatus. R. H. Goddard. 2,395,113; Feb. 19.
- Mechanism for film reel-supporting shafts, Braking. F. J. Venzel. 2,398,733; Apr. 16.
- Mechanism for firearms, Cartridge-extracting. D. M. Williams. 2,412,663; Dec. 17.
- Mechanism for fountain pens, Filling. P. C. Hull. 2,398,531; Apr. 16.
- Mechanism for fluid meters, Adjusting. W. F. Berck. 2,395,715; Feb. 26.
- Mechanism for formed rotary grinders, Trimming. I. J. Grunberg. 2,401,562; June 4.
- Mechanism for gas operated firearms, Actuating. J. C. Garand. 2,393,627; Jan. 29.
- Mechanism for grinding wheels, Dressing. H. N. Seyferth. 2,396,891; Mar. 19.
- Mechanism for guiding multiple tools. T. Miller. 2,405,663; Aug. 13.
- Mechanism for gun fire control, Spot. R. E. Crooke. 2,398,522; Apr. 16.
- Mechanism for gyros, Caging. D. W. Smith. 2,393,124; Jan. 15.
- Mechanism for line throwing guns, Firing. A. Hubalek. 2,399,928; May 7.
- Mechanism for machine tables, Driving. L. Robaczynski. 2,396,128; Mar. 5.
- Mechanism for measuring the movements of drilling tools and pipes. J. T. Hayward. 2,395,407; Feb. 26.
- Mechanism for mechanical concentrating devices, Gate. C. H. J. Patterson. 2,405,976; Aug. 20.
- Mechanism for milling machines, Control. L. F. Nenninger and F. A. Hassman. 2,393,928; Jan. 29.
- Mechanism for milling machines, Knee actuating. L. F. Nenninger and F. A. Hassman. 2,402,290; June 18.
- Mechanism for molds, Dumping. A. Fritschle. 2,409,121; Oct. 8.
- Mechanism for mud guns, Mounting and operating. E. E. Brosius. 2,393,307; Jan. 22.
- Mechanism for partially closing containers. C. Z. Monroe. 2,410,587; Nov. 5.
- Mechanism for pneumatic tools, Control valve. H. Gillerstrom. 2,392,141; Jan. 1.
- Mechanism for pressure discharge of streams of liquid. M. B. Boyce. 2,406,659; Aug. 27.
- Mechanism for printer presses, Slitter. O. R. Wolf. 2,395,950; Mar. 5.
- Mechanism for printing telegraph, Translating. J. T. Gillilan, Jr. 2,413,557; Dec. 31.
- Mechanism for punching to interlock sheets of material. A. Pelikan. 2,401,270; May 28.
- Mechanism for regulating pumps for internal combustion engines. W. Ricart. 2,398,460; Apr. 16.
- Mechanism for removing blanks from magazines and transferring the blanks to mandrels. J. Cutler. 2,396,988; Mar. 19.
- Mechanism for ring doubling and like frames, Feeding. A. Davenport. 2,405,410; Aug. 6.
- Mechanism for rock drills, Swinging. G. W. Hulshizer. 2,398,311; Apr. 9.
- Mechanism for rotary members, Adjusting and driving. H. C. Behrens. 2,412,243; Dec. 10.
- Mechanism for rotating articles. S. C. Hurley, Jr. 2,404,233; July 16.
- Mechanism for sewing machines, Driving and stopping. C. L. Knott. 2,404,850; July 30.
- Mechanism for surfacing polishing disks. J. Pine. 2,392,654; Jan. 8.
- Mechanism for the conversion of motion according to one law into motion according to another law. J. M. Strang and I. C. Bell. 2,398,198; Apr. 9.
- Mechanism for torpedoes, Starting. L. D. Alderman. 2,405,932; Aug. 20.
- Mechanism for transmitting rotary motion. R. C. Turtle, and D. W. Reynolds. 2,398,568; Apr. 16.
- Mechanism for vehicles, Coupling and drive. Z. Hollas. 2,391,971; Jan. 1.
- Mechanism for vending machines or the like, Plural coin controlled. E. C. Johnson. 2,396,011; Mar. 5.
- Mechanism for warp knitting machines, Yarn-control. R. Bassist. 2,400,064; May 14.
- Mechanism for wireless sets, Tuning. C. L. Richards. 2,397,435; Mar. 26.
- Mechanotherapy equipment. F. Kellhoffer. 2,407,283; Sept. 10.
- Media for heating transfers, Noncorrosive. C. G. Gerhold. 2,394,164; Feb. 5.
- Medical appliance. J. A. Foretiere. 2,406,600; Aug. 27.
- Mesenteric gastro-intestinal magnesium silicate. R. Roseman and H. Eisenberg. 2,394,107; Feb. 5.
- Melamine, Preparation of. J. H. Paden and J. S. Mackay. 2,396,193; Mar. 5.
- Melamines, Preparing substituted. D. E. Nagy. 2,392,608; Jan. 8.
- Melting furnace. W. Bonsack. 2,393,306; Jan. 22.
- Mepacrine dihydrochloride, Producing. W. A. Cowdrey and A. G. Murray. 2,410,406; Nov. 5.

- Mercaptans, Manufacture of. W. A. Schulze. 2,392,554; Jan. 8.
 Mercaptans, Preparation of. W. V. Wirth. 2,395,240; Feb. 19.
 Mercaptans, Separating. H. E. Drennan. 2,408,920; Oct. 8.
 Mercaptans, Synthesis of. W. A. Schulze. 2,392,555; Jan. 8.
 Mercaptothiazoles, Purification of. R. A. Mathes. 2,392,935; Jan. 15.
 Merchandising device. J. C. Calhoun, W. L. Davidson, and K. J. Hansen. 2,401,908; June 11.
 Mercury are device. L. M. Wittinger. 2,403,700; July 9.
 Mercury switch. R. W. Allison. 2,392,829; Jan. 15.
 Mercury switch. H. L. Lambert. 2,395,884; Mar. 5.
 Mercury switch. C. H. Larson. 2,401,768; June 11.
 Merry-go-round for playgrounds and the like. D. A. McDonald. 2,407,943; Sept. 17.
 Message exchange system, Automatic. E. E. Kleinschmidt. Re. 22,723; Feb. 19.
 Messages for transmission, Preparing facsimile. A. E. Thompson and R. D. Salmon. 2,406,865; Sept. 3.
 Metal aluminate adsorbents and making same. W. A. La Lande, Jr. 2,413,184; Dec. 24.
 Metal ammine salts, Preparation of. G. Jones and W. Juda. 2,412,890; Dec. 17.
 Metal article, Coated. M. S. Roedel. 2,406,039; Aug. 29.
 Metal article, Porous. J. T. Marvin and R. P. Koehring. 2,409,295; Oct. 15.
 Metal articles, Heat treatment of thin. J. D. Gold and C. D. Foulke. 2,393,363; Jan. 22.
 Metal articles, Making porous. O. Rasmussen. 2,398,719; Apr. 16.
 Metal bending and stretching apparatus. J. S. Nielsen and C. B. Mitchell. 2,411,801; Nov. 26.
 Metal-bending machine. L. J. Wanasek. 2,401,031; May 28.
 Metal bodies preparatory to hot working, Heating. K. Marsh. 2,406,554; Aug. 27.
 Metal bonded abrasive articles, Forming. B. G. Chandler and W. O. Bell. 2,395,461; Feb. 26.
 Metal carbonyls, Manufacture of. J. V. Fihl. 2,395,999; Mar. 5.
 Metal, Casting molten. E. C. Lyons. 2,401,491; June 4.
 Metal coated articles, Manufacturing. W. V. Hamel. 2,400,304; May 19.
 Metal, Coating. M. G. Whitfield and V. Sheshunoff. 2,396,730; Mar. 19.
 Metal coating light metals. H. N. Gilbert. 2,398,738; Apr. 16.
 Metal composition and bearing. F. R. Hensel and E. I. Larsen. 2,393,906; Jan. 29.
 Metal, Conditioning molten. E. C. Lyons. 2,408,467; Oct. 1.
 Metal container. W. F. Punte. 2,409,793; Oct. 22.
 Metal cutting tool. C. E. Nordstrom. 2,410,896; Nov. 12.
 Metal core for molding concrete, Collapsible. C. W. Gilliam. 2,393,765; Jan. 29.
 Metal, Corrosion resistant. A. G. Taylor. 2,393,665; Jan. 29.
 Metal, Corrosion resistant. R. M. Thomas and C. W. Ostrander. 2,393,664; Jan. 29.
 Metal-cutting tool. R. S. Gauthier. 2,392,285; Jan. 1.
 Metal disintegrating device. L. Bardos. 2,399,977; May 7.
 Metal for drawing operations, Preparing. W. E. Leonard. 2,394,620; Feb. 12.
 Metal framed wood container. J. E. Wilson. 2,411,121; Nov. 12.
 Metal-free phthalocyanine coloring matter, Manufacture of. F. S. Palmer and P. F. Gross. 2,413,191; Dec. 24.
 Metal-glass seal and sealing alloy. W. E. Kingston. 2,394,919; Feb. 12.
 Metal halide solutions, Purifying. C. A. Hampel and J. E. Weiler. 2,395,221; Feb. 19.
 Metal halides from fluids, Removal of volatile. W. A. La Lande, Jr. 2,413,185; Dec. 24.
 Metal heating or melting furnace. J. L. Roof. 2,397,810; Apr. 2.
 Metal hydrides, Production of. F. R. Archibald and P. P. Alexander. 2,401,326; June 4.
 Metal hydrides, Production of. M. M. Pechet. 2,392,545; Jan. 8.
 Metal landing gear structure, Welded pressed. D. W. Sherman. 2,395,690; Feb. 26.
 Metal, Method and apparatus for casting. R. K. Hopkins. 2,397,789; Apr. 2.
 Metal, Method of machining. M. Berliner. 2,412,797; Dec. 17.
 Metal objects, Process and apparatus for sealing hot. M. S. Evans and E. C. Stolberg. 2,394,514; Feb. 5.
 Metal, Operating on strip. W. M. McLaughlin and G. H. Bendel. 2,397,029; Mar. 19.
 Metal parts, Controlled chilling of precision. W. L. Carson. 2,396,940; Mar. 19.
 Metal peroxides, Production of. L. H. Dawsey and H. A. Rudolph. 2,393,891; Jan. 29.
 Metal pickling. W. H. Hill. 2,394,773; Feb. 12.
 Metal plating process. F. K. Signalgo and W. J. Peppel. 2,410,844; Nov. 12.
 Metal powders of high alloy content, Producing. J. Wulff. 2,407,862; Sept. 17.
 Metal recovery. P. T. Stroup and C. B. Willmore. 2,408,278; Sept. 24.
 Metal recovery process, Scrap. W. J. Kroll. 2,396,793; Mar. 19.
 Metal repair structure. A. G. Dean. 2,412,973; Dec. 24.
 Metal retorts, Operating. W. M. Peirce. 2,405,445; Aug. 6.
 Metal rolls, Surfacing. L. B. Case. 2,395,101; Feb. 19.
 Metal sawing machine. A. Ziska. 2,412,511; Dec. 10.
 Metal slitting and re-coiling strip. E. Reed and D. H. Washburn. 2,399,155; Apr. 23.
 Metal stacking container. J. W. Seigh. 2,412,178; Dec. 3.
 Metal stock, Drawing. K. Kronwall. 2,400,866; May 21.
 Metal strip cold welding machine. A. Teplitz. 2,394,822; Feb. 12.
 Metal strip processing apparatus. E. R. Muddiman. 2,394,466; Feb. 5.
 Metal structure, Fabricated. M. Watter. 2,403,569; July 9.
 Metal sulfates and product thereof, Producing alkaline earth. G. Haywood and W. M. Welton. 2,413,321; Dec. 31.
 Metal sulfonates of improved oil solubility, Producing dry. E. Amott. 2,411,819; Nov. 26.
 Metal sulfonates, Production of alkaline earth. C. B. Babbour. 2,395,713; Feb. 26.
 Metal tarish remover. H. E. Wassell. 2,393,866; Jan. 29.
 Metal to plywood, Bonding. W. H. Taylor and R. L. Jones, Jr. 2,401,987; June 11.
 Metal heating apparatus. K. J. Yost. 2,413,094; Dec. 24.
 Metalworking. W. L. Carlson and R. L. Harvey. 2,399,466; Apr. 30.
 Metalworking. M. J. Kulla. 2,403,805; July 9.
 Metal working. E. G. Whipple. 2,394,883; Feb. 12.
 Metalworking machine. H. W. Brown. 2,397,122; Mar. 26.
 Metalworking machine. C. C. Grotnes. 2,398,373; Apr. 16.
 Metalworking machine. H. L. Knapp. 2,401,165; May 28.
 Metalworking machine. A. G. Mirel. 2,410,298; Oct. 29.
 Metalworking machine. H. E. Pruitt. 2,411,110; Nov. 12.
 Metalworking press. L. Loewy. 2,396,108; Mar. 5.
 Metalworking process and apparatus. C. W. Hazelett. 2,408,514; Oct. 1.
 Metalworking tool. M. G. Kream. 2,392,821; Jan. 15.
 Metallic carbides and steel into finished shapes, Forming. W. P. Cottrell. 2,398,132; Apr. 9.
 Metallic coating composition and structure produced therefrom. F. Kertesz. 2,397,744; Apr. 2.
 Metallic coatings, Apparatus for and method of producing. H. Barwich. 2,397,400; Mar. 26.
 Metallic compounds adapted to form an electrical contact. I. W. Cox. 2,410,717; Nov. 5.
 Metallic deposits, Production of bright. M. L. Freed and O. A. Stocker. 2,409,120; Oct. 8.
 Metallic films, Making mechanically resistant and highly reflecting. C. W. Hewlett. 2,410,733; Nov. 5.
 Metallic members in molded casings, Sealing of. A. J. Christopher. 2,392,311; Jan. 8.
 Metallic oxide, Reduction of. N. J. Urquhart. 2,397,993; Apr. 9.
 Metallic powder in spherical form, Production of. E. H. E. Johansson. 2,391,903; Jan. 1.
 Metallic spheres, Making small. G. F. Taylor. 2,394,727; Feb. 12.
 Metallic structure. J. P. Tarbox. 2,397,447; Mar. 26.
 Metallic structure. J. P. Tarbox. 2,393,881; July 9.
 Metallic values, Separation of. A. Hanak. 2,393,468; Jan. 29.
 Metallurgical furnace. G. H. S. Grene. 2,412,145; Dec. 3.
 Metallurgical furnace. H. J. Ness. 2,394,002; Feb. 5.
 Metallurgical process. C. H. Heist. 2,397,262; Mar. 26.
 Metallurgy. A. Linz. 2,399,747; May 7.
 Metallurgy. C. E. Unger. 2,398,455; Apr. 16.
 Metals, Casting of rare earth. H. M. Broadhurst. 2,396,636; Mar. 19.
 Metals, Chemically purifying and refining. J. M. Merle. 2,395,286; Feb. 19.
 Metals, Coating by evaporating. W. H. Colbert and A. R. Weinrich. 2,413,606; Dec. 31.
 Metals, Corrosion protection of. W. G. Routson. 2,411,593; Nov. 26.
 Metals, Deposition of. P. Alexander and E. L. Cranstone. 2,402,269; June 18.
 Metals, Dyed. V. J. King. 2,393,640; Jan. 29.
 Metals, Evaporating. W. H. Colbert and A. R. Weinrich. 2,413,606; Dec. 31.
 Metals, Production of. J. C. Munday. 2,398,443; Apr. 16.
 Metals, Reducing. C. R. Seliger. 2,403,463; July 9.
 Metals, Refining. J. J. Howard. 2,397,418; Mar. 26.
 Metals, Refining of non-ferrous. L. S. Deitz, Jr. 2,393,239; Jan. 22.
 Metals, Refining of nonferrous. L. S. Deitz, Jr. 2,403,586; July 9.
 Metals to powdered or granular forms, Reduction of. L. H. Paddle. 2,402,441; June 18.

- Metals, Treating molten. A. T. Cape. 2,395,458; Feb. 26.
Metals, Treatment of. W. M. Roberts. 2,395,195; Feb. 19.
Metals with aluminum, Coating ferrous. K. Oganowski, N. W. Parks, and K. G. Coburn. 2,406,245; Aug. 20.
Metals with molten aluminum, Coating ferrous. H. N. Gilbert. 2,408,623; Oct. 1.
Metatarsophalangeal ball. Cushion. B. J. Silver. 2,411,901; Dec. 3.
Microrecording method and apparatus. Chung-Chin Kao. 2,408,780; Oct. 8.
Meter: See—
Audience demand meter. Light meter.
Cost computing meter. Multirange meter.
Direct reading sound pressure meter. Oscillating disk meter.
Electric distance meter. Radiographic exposure meter.
Exposure meter. Relative humidity meter.
Flow meter. Rotary liquid meter.
Fluid meter. Time interval meter.
Frequency meter. Torque meter.
Fuel air ratio meter. Wide range flow meter.
Ground speed meter.
Internal meter.
Meter. F. G. Kelly. 2,411,997; Dec. 3.
Meter and coin slot therefor, Parking. W. J. and W. F. Herschede and W. N. Woodruff. 2,400,756; May 21.
Meter and indicator therefor, Interval. T. F. Bludworth. 2,394,287-8; Feb. 5.
Meter, damping unit. Stabilization of. S. S. Green. 2,401,730; June 11.
Meter for aircraft, Ground speed. R. B. Foster. 2,399,014; Apr. 23.
Meter for primary energy, Secondary. W. C. Wagner. 2,412,070; Dec. 9.
Meter for print-making apparatus, Exposure. G. M. Dye. 2,399,992; May 7.
Meter, Frequency. F. J. Lingel. 2,403,809; July 9.
Meter magnet assemblies, Forming. S. J. Snorek. 2,394,724; Feb. 12.
Meter mounting. H. P. Sparkes and E. G. Johansson. 2,403,132; July 2.
Meter, Parking. E. Kramer. 2,394,554; Feb. 12.
Metering and distributing apparatus, Liquid. H. Morgenroth. 2,406,239-40; Aug. 20.
Metering apparatus, Anesthetizing. J. H. Blease. 2,406,129; Aug. 20.
Metering apparatus, Fluid. A. J. Granberg. 2,411,261; Nov. 19.
Metering apparatus, Liquid. R. B. Longmate. 2,409,982; Oct. 22.
Metering device. F. LeG. Bryant. 2,411,613; Nov. 26.
Metering head, Flow meter. C. E. Cox. 2,403,849; July 9.
Metering mechanism, Fuel injection. M. E. Chandler. 2,410,774; Nov. 5.
Metering mill. L. C. Fisher and H. Imshaug. 2,412,680; Dec. 17.
Metering system. C. Oman. 2,394,096; Feb. 5.
Metering system, Toll. L. M. Potts. 2,404,654; July 23.
Meters, Accuracy regulating fluid. R. S. Bassett. 2,404,823; July 30.
Methacrylic ester and copolymers thereof. M. Hyman, Jr. 2,404,292; July 16.
Methacrylic esters and copolymers thereof. C. E. Barnes. 2,404,267-8; July 16.
Methacrylyl chloride, Producing. W. Schmidt. 2,396,609; Mar. 12.
Method. W. L. Ruigh. 2,413,000; Dec. 24.
Method and composition. E. W. Bousquet. 2,393,086; Jan. 15.
Method of and apparatus for packing or canning food and other plastic substances. W. M. Yuill. 2,393,853; Jan. 29.
Methylaminomethyl-(3-amino-4-hydroxy-phenyl)-carbinol and salts thereof. O. Schmidt. 2,393,820; Jan. 29.
Methyl-beta-chloroacrylate, Producing. J. G. Lichty. 2,400,464; May 14.
Methyl ethenylxyacetate. D. D. Coffman. 2,399,625; May 7.
Methyl formylchloro-acetate, Production of. H. E. Faith. 2,405,820; Aug. 13.
Methyl isopropenyl ketone, Polymerization of. J. V. Heyd. 2,406,684; Aug. 27.
Methyl methacrylate compositions, Preparing of modified. L. Johnston. 2,408,426; Oct. 1.
Methyl polysiloxane resins, Preparation of. K. N. Mathes and B. A. Wasiewicz. 2,405,041; July 30.
Methyl silicon halides and their production. J. F. Hyde. 2,413,049; Dec. 24.
Methylation of phenols, Nuclear. A. Barawoy. 2,401,608; June 4.
Methylene-bis-2 hydroxy-3 naphthoates. B. Puetzer. 2,397,903; Apr. 2.
MgCl₂, Recovery and decomposition of. N. C. Christensen. 2,413,292; Dec. 31.
Mica and making the same, Integrated. M. D. Heyman. 2,405,576; Aug. 13.
Microammeter, Electronic. R. W. Gilbert. 2,403,521; July 9.
Microanalyzer monitoring, Electronic. J. Hillier and R. F. Eber. 2,405,306; Aug. 6.
Micro balance. W. C. Seyter. 2,404,601; July 23.
Microburet. P. A. Shaffer, Jr. 2,412,295; Dec. 10.
Microfilm reader. W. F. O'Gorman. 2,403,747; July 9.
Microfilm viewer. J. K. Holbrook. 2,407,009; Sept. 3.
Microgauge system, Electric. C. F. Coake. 2,407,140-1; Sept. 3.
Micrometer. D. A. Lutton. 2,399,236; Apr. 30.
Micrometer. C. T. Rottler. 2,402,773; June 25.
Micrometer attachment. E. J. Martinec. 2,401,951; June 11.
Micrometer, Electric alignment. A. J. Brilliantine. 2,395,393; Feb. 26.
Micrometer height gauge. E. H. Sandberg. 2,400,715; May 21.
Micrometer, Speed. P. J. Jackman. 2,403,285; July 2.
Microphone. C. E. Fraser. 2,393,318; Jan. 22.
Microphone. O. Soldan. 2,410,528; Nov. 5.
Microphone. A. L. W. Williams and A. P. Dank. 2,406,119; Aug. 20.
Microphone handle. H. C. Pye. 2,410,899; Nov. 12.
Microphone, Well sounding. J. T. Kremer. 2,403,535; July 9.
Microscope. A. H. Bennett and O. W. Richards. 2,406,526; Aug. 27.
Microscope. O. W. Richards. 2,404,888; July 30.
Microscope, Electron. C. H. Bachman. 2,408,287; Sept. 3.
Microscope, Electron. J. Hillier. 2,392,243; Jan. 1.
Microscope, Electron. J. Hillier and R. F. Baker. 2,403,529; July 9.
Microscope, Electronic. B. von Borries. 2,396,624; Mar. 12.
Microspray device. H. O. Schroeder and A. W. Lindquist. 2,409,987; Oct. 22.
Misoles, Taping. E. A. Crepeau. 2,397,245; Mar. 26.
Mixing bag. K. M. Gaver. 2,397,732; Apr. 2.
Mildewproofing. D. M. Musser. 2,403,945; July 16.
Military cap. P. Merton. 2,398,714; Apr. 16.
Military tank. A. T. Wike. 2,399,778; May 7.
Military vehicle. D. Roeder and E. Nador. 2,397,809; Apr. 2.
Milk bottle heater. E. T. Deaton. 2,413,176; Dec. 24.
Milk cooler. W. T. Lee. 2,393,387; Jan. 22.
Milk pail attachment. A. C. Schwenker. 2,409,804; Oct. 22.
Milk powder, Producing dried. P. F. Sharp. 2,412,635; Dec. 17.
Milk, Process and apparatus for pasteurizing. H. Egli. 2,411,681; Nov. 26.
Milk products, Preservation of. C. Brunkhurst. 2,412,203; Dec. 10.
Milk tester, Visual. W. E. Miller and B. J. Porter. 2,411,384; Nov. 19.
Milk support. H. B. Babson. 2,412,197; Dec. 10.
Milking machine. R. M. Hyman. 2,404,068-9; July 16.
Milking machine. J. R. Voyle and L. G. Grace. 2,396,544; Mar. 12.
Mill: See—
Ball forming mill. Rolling mill.
Grinding mill. Rotating mill.
Metering mill. Sugar cane mill.
Pepper mill. Vertical mill.
Pulling mill.
Mill. L. S. Petersen. 2,396,057; Mar. 5.
Mill. R. S. Tice. 2,392,958; Jan. 15.
Mill, Airswept ball. W. L. Maxson, J. A. Fagnant, and E. H. Baxa. 2,399,051; Apr. 23.
Mill roll stand. H. C. Behrens. 2,405,637; Aug. 13.
Mill system, Air swept ball. F. T. Agthe. 2,398,989; Apr. 23.
Mill unit, Adjustable. E. G. Eppenbach and H. Imshaug. 2,412,677; Dec. 17.
Milling and like machine. S. V. Maddox. 2,392,606; Jan. 8.
Milling cutter. T. R. Goldsmith. 2,411,784; Nov. 26.
Milling cutter. C. E. Kraus. 2,407,502; Sept. 10.
Milling machine. J. B. Armitage and H. L. Heywood. 2,399,963; Jan. 8.
Milling machine. N. M. Marsilius. 2,392,752; Jan. 8.
Milling machine. E. T. Nord. 2,402,179; June 18.
Milling machine, Automatic pattern controlled. E. W. Yates and T. S. Armandoff. 2,412,549; Dec. 10.
Milling machine for cutting teeth in rack blanks and transversely grooving the work, Automatic. O. Schaefer. 2,405,856; Aug. 13.
Milling machine, Profile. B. S. T. Bishop and F. A. Blacknell. 2,405,550; Aug. 13.
Milling and like machine. J. T. Bolas and R. W. Edwards. 2,396,438; Mar. 12.
Milling process. R. J. S. Carter. 2,392,365; Jan. 8.
Milling tool. R. Gottlieb. 2,393,463; Jan. 22.
Milling machine, snipe, Twin tube. G. G. Greulich. 2,409,848; Oct. 22.
Mine destroyer. L. Langer. 2,400,635; Oct. 22.
Mine firing device and control means therefor. J. B. Glennon and R. H. Park. 2,400,549; May 21.
Mine firing system. J. F. Cook, Jr. 2,396,914; Mar. 19.
Mine, Land. S. L. Metcalf. 2,399,242; Apr. 30.
Mine moving cutter. E. C. Craig. 2,396,686; Mar. 19.
Mine mooring cutter-toggle type. M. Kurtz. 2,396,707; Mar. 19.
Mine, Rising drifting. J. B. Glennon. 2,412,770; Dec. 17.
Mine, Submarine. A. M. Brown. 2,403,845; July 9.
Mine, Submarine. R. Maltby. 2,398,794; Apr. 23.
Mine sweeping control. W. Schaeichlin. 2,397,209; Mar. 26.

- Mineral fiber, Hard surfacing of. M. R. Ximenez. 2,393,947; Jan. 29.
- Mineral oil composition. J. H. Bishop. 2,395,093; Feb. 19.
- Mineral oil composition. F. P. Otto. 2,403,453; July 9.
- Mineral oil composition. O. M. Reiff. 2,392,766; Jan. 8.
- Mineral oil composition. O. M. Reiff and H. J. Andrews, Jr. 2,393,934; Jan. 29.
- Mineral oil composition. H. G. Smith and T. L. Cantrell. 2,403,764-5; July 9.
- Mineral oil composition. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,408,103; Sept. 24.
- Mineral oil composition resistant to foaming. H. G. Smith and T. L. Cantrell. 2,411,671; Nov. 26.
- Mineral oils and mineral oil composition containing the same, Agent for. H. G. Smith and T. L. Cantrell. 2,397,702; Apr. 2.
- Mineral oils, Purifying. L. C. Waterman. 2,412,791; Dec. 17.
- Mineral oils, Removing impurities from. C. H. M. Roberts. 2,404,405; July 23.
- Mineral products and preparation. T. D. Callinan. 2,394,040; Feb. 5.
- Mineral wool apparatus. E. R. Powell. 2,399,383; Apr. 30.
- Mines, Detecting submarine. C. S. Livermore. 2,398,432; Apr. 16.
- Mining. P. B. Bucky. 2,396,678; Mar. 19.
- Mining apparatus. C. P. Baldwin and H. H. Vanderzee. 2,396,237; Mar. 12.
- Mining apparatus. E. Simmons. 2,409,807; Oct. 22.
- Mining device. Placer. V. C. and N. J. McKenzie. 2,400,429; May 14.
- Mining device, Torpedo counter. C. H. Holm. 2,404,440; July 23.
- Mining machine. E. Ramsay. 2,407,448; Sept. 10.
- Mining machine bit. A. H. Genter. 2,395,545; Feb. 26.
- Mining machine chain. F. L. Fulke. 2,409,978; Oct. 22.
- Mining machine, Coal. R. Johnson. 2,399,438; Apr. 30.
- Mining machine, Longwall. C. E. Tibbals. 2,399,073; Apr. 23.
- Mining machine, Longwall. C. E. Tibbals. 2,399,713; May 7.
- Mining machine, Placer. W. Thomas. 2,405,622; Aug. 13.
- Miniature gasoline engine. D. Miller. 2,410,229; Oct. 29.
- Minimum-voltage network and system. E. L. Harder. 2,393,043; Jan. 15.
- Mirror, Colored. W. H. Colbert and W. L. Morgan. 2,394,533; Feb. 12.
- Mirror, Rearview. W. H. Colbert. 2,397,947; Apr. 9.
- Mirror, Rear view. L. F. Hofer. 2,408,168; Sept. 24.
- Mirror, Signaling. R. S. Hunter. 2,412,616; Dec. 17.
- Mirrors by thermal evaporation, Formation of. D. B. McRae. 2,394,930; Feb. 12.
- Mirrors, Making color. W. H. Colbert and W. L. Morgan. 2,411,955; Dec. 3.
- Misselection indicator. L. F. Reinhold and J. A. Spencer. 2,404,813; July 30.
- Mist eliminator. J. B. Baird and P. E. Dearmin. 2,400,623; May 21.
- Mitten. M. and E. Linick. 2,411,926; Dec. 3.
- Mixer: See—
- Concrete mixer. Motor-driven food mixer.
- Feed mixer. Vertical mixer.
- Hot metal mixer.
- Mixer. A. C. Christensen. 2,413,603; Dec. 31.
- Mixer. W. H. Lewis. 2,403,536; July 9.
- Mixer and cooler, Beverage. W. A. and E. K. Nelson. 2,400,773; May 21.
- Mixer and distributor. J. V. Payne, E. L. Sargent, and H. G. Daley. 2,397,326; Mar. 26.
- Mixer apparatus, Centrifugal. E. Roberts. 2,411,138; Nov. 12.
- Mixer, Paint. M. Fox. 2,392,731; Jan. 8.
- Mixing and kneading machines. Curd. P. Sartori. 2,407,617; Sept. 10.
- Mixing apparatus. De H. Miller. 2,402,905; June 25.
- Mixing apparatus. F. A. Muckley. 2,397,324; Mar. 26.
- Mixing machine. D. S. Foote. 2,406,535; Aug. 27.
- Mixing machine. H. J. Seaman. 2,409,646; Oct. 22.
- Mixing machine, Road material. B. H. Flynn. 2,397,782; Apr. 2.
- Mixing method. R. L. Brandt. 2,405,487; Aug. 6.
- Mixing plant. C. H. Johnson. 2,408,397; Oct. 1.
- Mixing tank. O. Thiel. 2,394,272; Feb. 5.
- Mixture control, Fuel. W. F. Stanton. 2,408,104; Sept. 24.
- Mixture control, Fuel. W. F. Stanton. 2,408,348; Sept. 24.
- Mixture control, Fuel. W. F. Stanton. 2,408,349; Sept. 24.
- Mixture, Transparent. T. Cordero. 2,402,373; June 18.
- Mixtures of alkyl aryl sulfonates. L. H. Flett. 2,397,133; Mar. 26.
- Mobile steam generator. R. B. Radbill. 2,410,900; Nov. 12.
- Mocasin blank. B. F. Lee. 2,412,051; Dec. 3.
- Modification of fatty oils. L. Auer. 2,406,337; Aug. 27.
- Modulated system for portable equipment. New. H. N. Kozanowski. 2,401,573; June 4.
- Modulating method and apparatus. R. M. Sprague. 2,398,054; Apr. 9.
- Modulating system. R. E. Meyer. 2,395,573; Feb. 26.
- Modulation control. B. M. Charchian. 2,402,598; June 25.
- Modulation system. M. Cawein. 2,395,102; Feb. 19.
- Modulation system. F. H. Slaymaker. 2,403,245; July 2.
- Modulation system, Multiple pulse. W. A. S. Butement and A. J. H. Oxford. 2,403,210; July 2.
- Modulation system, Pulse. E. Labin. 2,406,019; Aug. 20.
- Modulation system, Phase. E. Labin. 2,407,887; Sept. 17.
- Modulation system, Wavelength. W. van B. Roberts. 2,397,157; Mar. 26.
- Modulator. J. E. Gorham and A. W. Frevert. 2,391,894; Jan. 1.
- Modulator circuit. A. Alford. 2,395,441; Feb. 26.
- Modulator, Electron capacity and electron capacity. R. L. Hollingsworth. 2,407,424; Sept. 10.
- Modulator for echo effect, Reverberation. M. Parisier. 2,403,232; July 2.
- Modulator, Reverberations. M. Parisier. 2,403,231; July 2.
- Moistening device. M. S. Pollock. 2,413,652; Dec. 31.
- Moistening device. W. L. Snelling. 2,399,400; Apr. 30.
- Moistening device for duplicating machines, Sheet. E. W. Petersen. 2,407,443; Sept. 10.
- Moisture ejection device for air pressure systems. C. W. Bassett. 2,410,799; Nov. 12.
- Moisture laden articles, Drying. W. D. Wenger. 2,397,897; Apr. 2.
- Moisture laden articles, Method of and apparatus for drying. N. N. Adler. 2,403,800; July 9.
- Moistureproofing device. M. A. Shiro. 2,405,614; Aug. 13.
- Moisture removal in isomerization processes. L. S. Galstaun. 2,407,231; Sept. 10.
- Moisture vapor proofing material. L. M. Burgess and G. Abson. 2,402,870; June 25.
- Mold: See—
- Cable splice vulcanizing. Glass supporting mold.
- Mold. J. P. Bell. 2,392,968; Jan. 15.
- Mold and forming plastics thereon. Z. T. Walter. 2,408,245; Sept. 24.
- Mold core. R. K. Hopkins. 2,405,254; Aug. 6.
- Mold for cementitious anchor blocks. R. W. Adams. 2,391,856; Jan. 1.
- Mold for forming blocks or tiles. M. Valdastril, Sr. 2,397,223; Mar. 26.
- Mold for glassware. J. C. Weber, Jr. 2,392,561; Jan. 8.
- Mold for molding an extensible article. N. Barblert. 2,403,780; July 9.
- Mold for the production of pre-stressed reinforced concrete sleepers. H. L. Dowsett and R. S. V. Barber. 2,397,123; Apr. 2.
- Mold for use in the manufacture of optical elements. D. P. Cooper, Jr. 2,406,742; Sept. 3.
- Mold for use in the manufacture of optical elements. M. N. Fairbank and D. P. Cooper, Jr. 2,406,361; Aug. 27.
- Mold for use in the manufacture of optical elements. M. Hyman, Jr. 2,407,280; Sept. 10.
- Mold for use in the manufacture of optical elements. J. H. Richardson. 2,406,401; Aug. 27.
- Mold in dairy products, Inhibiting. H. F. Bauer and E. F. Glabe. 2,412,596; Dec. 17.
- Mold turnover mechanism. F. L. Cantrall and J. A. Carlisle. 2,402,368; June 18.
- Molded articles, Manufacture of. D. H. Bangham, J. G. Bennett, R. L. Brown, W. Hirst, M. Pirani, and G. C. Philpotts. 2,404,208; July 16.
- Molded compositions from unsaturated esters, Preparing. I. E. Muskat. 2,403,112; July 2.
- Molded metallic articles, Production of. H. T. Bellamy. 2,397,831; Apr. 2.
- Molded part and forming same. M. M. Culver and L. L. Bunn. 2,402,950; July 2.
- Molded product and making. F. A. Irvine and E. Frederick, Jr. 2,402,554; June 25.
- Molded, tapered tube. R. Stewart and A. Ploger. 2,404,031; May 7.
- Molding. M. Bean. 2,402,528; June 25.
- Molding and gluing press. R. E. Glavin. 2,401,299; June 4.
- Molding apparatus. V. S. Anderson. 2,398,406; Mar. 12.
- Molding apparatus. A. J. Brunner. 2,393,316; Feb. 19.
- Molding apparatus. A. J. Brunner. 2,412,671; Dec. 17.
- Molding apparatus. M. M. Cunningham. 2,406,589; Aug. 27.
- Molding apparatus. C. E. McCoy. 2,409,142; Oct. 8.
- Molding apparatus. H. G. Rogers. 2,404,314; July 16.
- Molding apparatus. C. V. Smith. 2,394,941; Feb. 12.
- Molding apparatus. H. A. Storch. 2,410,312; Oct. 8.
- Molding apparatus. W. A. Taylor. 2,392,707; Jan. 8.
- Molding apparatus and method. L. B. Green. 2,408,629; Oct. 1.
- Molding apparatus, Fluid pressure. H. G. Morner. 2,411,743; Nov. 26.
- Molding composition and the article produced thereby. J. B. Monier. 2,411,666; Nov. 26.
- Molding composition, Starch-melamine. D. W. Hansen. 2,408,065; Sept. 24.

- Molding compositions. W. S. Traylor and D. R. Wiggam. 2,413,011; Dec. 24.
- Molding compositions and articles therefor. W. E. Gloor. 2,412,611; Dec. 17.
- Molding device. G. H. Frank. 2,411,254; Nov. 19.
- Molding device. F. E. Morehead. 2,402,338; June 18.
- Molding, Extrusion. I. B. Green. 2,402,281; June 18.
- Molding machine, Block. F. C. George. 2,396,999; Mar. 19.
- Molding machine, Injection. L. J. Caron. 2,395,100; Feb. 19.
- Molding material, Making. J. J. Trefz and L. S. Shoberg. 2,397,323; Mar. 26.
- Molding machine, Pipe. C. J. Lemont and A. J. Hoynacke. 2,398,016; Apr. 9.
- Molding materials. H. Kremer. 2,405,658; Aug. 13.
- Molding materials under heat and pressure. H. J. Luth, H. B. Scheidmantel, and S. R. Krupnick. 2,406,843; Sept. 3.
- Molding powder and making the same. H. F. Lewis. 2,392,162-3; Jan. 1.
- Molding press. H. Snow. 2,412,299; Dec. 10.
- Molding, Pressure extrusion. N. Lester. 2,411,999; Dec. 3.
- Molding process. J. Althaus. 2,400,091; May 14.
- Molding process. A. F. Benning and W. H. Markwood, Jr. 2,400,094; May 14.
- Molding process. J. W. Hill. 2,413,498; Dec. 31.
- Molding process. L. W. Vinal. 2,404,071; July 23.
- Molding three-dimensional shapes from drawings, Method and apparatus for. O. H. Lucy. 2,410,888; Nov. 12.
- Molds and the like, Expansion control of. X. L. Bean. 2,400,905; May 28.
- Molds. Composition for making. B. L. Schmidt. 2,398,047; Apr. 9.
- Molds, Making. A. H. Heyroth. 2,401,760; June 11.
- Molds, Making. J. F. and W. J. Kelly. 2,411,998; Dec. 3.
- Molds, Making graphite. J. Heuberger. 2,395,408; Feb. 26.
- Molds, Resin casting. J. L. Brannon and S. A. Mraz. 2,400,482; May 21.
- Molecular absorption of vibration, Method and apparatus for. C. W. Chamberlain. 2,407,400; Sept. 10.
- Molecular centrifugal process and apparatus. O. Denys. 2,392,124; Jan. 1.
- Molecular weight lignin degradation products, Making low. J. R. Salvesen, R. L. Hossfeld, and R. J. Lovin. 2,405,450; Aug. 6.
- Molecular weight lignin degradation products, Producing low. J. R. Salvesen, R. L. Hossfeld, and R. J. Lovin. 2,405,451; Aug. 6.
- Molten iron from iron ore, Electric furnace process for producing. H. Gallusse. 2,403,715; July 9.
- Molybdenum compounds, Continuous reduction of. R. F. Rennie. 2,402,084; June 11.
- Money box. P. A. González. 2,401,065; May 28.
- Money holder. M. L. Ornstien. 2,411,053; Nov. 12.
- Money receptacle. L. A. Isaac. 2,392,838; Jan. 8.
- Monitor, Keying. A. A. Walsh and W. C. Resides. 2,394,573; Feb. 12.
- Monitoring system. H. M. Bascom. 2,407,241; Sept. 10.
- Mono-aryl melamines, Preparation of. D. E. Nagy. 2,392,607; Jan. 8.
- Monoazo compounds. J. B. Dickey and J. G. McNally. 2,406,004; Aug. 20.
- Monoazo tetrahydroquinoline compounds. J. B. Dickey and J. G. McNally. 2,391,886; Jan. 1.
- Mono-calcium citrate, Production of. R. S. Nicholls. 2,396,118; Mar. 5.
- Monochlorohydrantoin and salts thereof. A. O. Rogers. 2,392,505; Jan. 8.
- Monodisulphide polymer. J. C. Patrick. 2,392,402; Jan. 8.
- Mono-di-ortho-dichloro-styrene and the manufacture of the same. V. Weinmayr. 2,398,483; Apr. 16.
- Mono-olefins, Isomerizing. V. N. Ipatoff and G. S. Monroe. 2,403,439; July 9.
- Monothiazyl dithiocarbonates and preparing same. E. S. Blake. 2,404,771; July 30.
- Mooring device. C. A. Davis. 2,403,057; July 2.
- Mop, Dust. C. Fatland. 2,408,766; Oct. 8.
- Mop holder. N. Hill. 2,412,150; Dec. 3.
- Mop, Self-squeezing. P. M. Jackson. 2,406,950; Sept. 3.
- Mop, Vacuum-type dusting. I. McNeal. 2,394,798; Feb. 12.
- Mop yarn and mop made therefrom. W. S. Briggs. 2,409,660; Oct. 22.
- Mordant triazol dyestuffs, Preparing. A. Conzetti and O. Schmid. 2,412,767; Dec. 17.
- Mortise gauge and cutting tool. R. A. Schmidt. 2,399,145; Apr. 23.
- Mothproofing. A. H. Goddin and N. E. Searle. 2,392,733; Jan. 8.
- Motor converter mechanism. C. R. Sacchini. 2,393,193; Jan. 15.
- Motion display stand. L. W. Sanderson. 2,407,747; Sept. 17.
- Motion for carding machines, Stop. B. F. Underwood and J. C. Grant. 2,400,275; May 14.
- Motion picture apparatus. D. Canady. 2,410,711; Nov. 5.
- Motion-picture projector. E. D. Boisselier. 2,396,243; Mar. 12.
- Motion-picture-screen assembly, Collapsible. A. B. Hurley. 2,403,661; July 9.
- Motion pictures, Projecting. F. Waller and W. R. Dresser. 2,413,269; Dec. 24.
- Motion reproducing mechanism. J. D. Tear. 2,392,889; Jan. 15.
- Motion, Stop. B. Plunkett. 2,403,548; July 9.
- Motive power, Steam. C. J. Surdy. 2,408,701; Oct. 1.
- Motor: See—
- | | |
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| Air motor. | Reaction motor. |
| Alternate current motor. | Reversible single-phase capacitor motor. |
| Condensing motor. | Reversible single phase motor. |
| Current motor. | Rotomagnetic motor. |
| Electric motor. | Rotary heat motor. |
| Electromagnetic motor. | Splash proof traction motor. |
| Fluid lift motor. | Submersible motor. |
| Fluid motor. | Synchronous motor. |
| Fluid operated motor. | Torsional vibratory electric motor. |
| Fluid pressure motor. | Two-phase motor. |
| Hydraulic motor. | Vane motor. |
| Intermittent current operated motor. | Variable-speed motor. |
| Jet propulsion motor. | Vibratory motor. |
| Low speed motor. | Windshield cleaner motor. |
| Magnetic motor. | Windshield wiper motor. |
| Pneumatic motor. | |
| Pressure fluid follow-up motor. | |
| Quick converting capacitor motor. | |
- Motor. W. E. Edelman. 2,412,254; Dec. 10.
- Motor. F. J. Malina and M. M. Mills. 2,400,242; May 14.
- Motor. R. A. Mathelsel, Jr. 2,392,052; Jan. 1.
- Motor. D. G. Smellie. 2,401,886; Apr. 4.
- Motor. M. Summerfield and D. A. Young. 2,398,125; Apr. 9.
- Motor. D. A. Young and M. Summerfield. 2,398,201; Apr. 9.
- Motor and circuit controls therefor, Electromagnetic. W. J. Williams. 2,402,933; June 25.
- Motor and control system for motors, Electric. J. D. Lewis. 2,406,781; Sept. 3.
- Motor, Block cleaner. F. C. Arey and De L. E. Hibner. 2,393,215; Jan. 15.
- Motor bracket. D. W. Christensen and S. Sadlon. 2,400,224; May 14.
- Motorcar. D. Richards. 2,401,316-17; June 4.
- Motor control. C. Brongersma. 2,400,369; Oct. 1.
- Motor control. O. E. Staples. 2,395,591; Feb. 26.
- Motor-control circuit. R. H. Gumley. 2,395,477; Feb. 26.
- Motor control, Dual. P. Schon. 2,408,098; Sept. 24.
- Motor control, Electric. W. C. Spear and L. C. Schaefer. 2,403,156; July 2.
- Motor control, Electronic. J. B. Reeves. 2,413,070; Dec. 24.
- Motor control, Synchronized. L. A. Dunajeff. 2,412,676; Dec. 17.
- Motor control system. B. O. Austin. 2,397,078; Mar. 26.
- Motor control system. T. E. McDowell. 2,396,333; Mar. 12.
- Motor control system, Electric. C. J. Caldbeck. 2,403,048; July 2.
- Motor control system, Electric valve. L. R. Fink. 2,409,029; Oct. 8.
- Motor convertible for boats or bicycles, Outboard. M. Ashpes. 2,392,567; Jan. 8.
- Motor-driven food mixer. E. Nielsen and A. W. Seyfried. 2,405,707; Aug. 13.
- Motor driven signal. E. L. Williams. 2,408,590; Oct. 1.
- Motor driving mechanism for aircraft with adjustable propeller, Multiple. F. Nallinger and A. Friedrich. 2,396,748; Mar. 19.
- Motor follow-up system, Split-phase. R. Lesnick. 2,411,608; Nov. 26.
- Motor for telephone selectors. S. E. Werner. 2,404,332; July 16.
- Motor fuel power induction device. W. F. Krenzke. 2,397,457; Mar. 26.
- Motor fuels, Producing. W. B. Ross and K. Boldt. 2,392,949; Jan. 15.
- Motor fuels, Production of. G. R. Gilbert. 2,404,050; July 16.
- Motor mounting. H. W. Morgan. 2,400,248; May 14.
- Motor mounting. E. F. Riesing. 2,393,505; Jan. 22.
- Motor mounting. W. Wellstein. 2,400,448; May 14.
- Motor of the rotary abutment type, Expandable chamber. F. Berry. 2,281,818; Dec. 17.
- Motor-operated circuit breaker. O. Jensen. 2,393,687-8; Jan. 29.
- Motor pump, Hydraulic. J. D. Buchanan. 2,397,594; Apr. 2.
- Motor protector. M. C. Harrold. 2,412,981; Dec. 24.
- Motor pump unit. R. T. Cornelius. 2,393,237; Jan. 22.
- Motor speed control. S. Bosky. 2,395,246; Feb. 19.
- Motor system, Constant speed. G. Ogurkowski. 2,405,708; Aug. 13.
- Motor system, Interlocked. S. Read, Jr. 2,396,530; Mar. 12.
- Motor system, Synchronized direct current. W. P. Lear. 2,403,097; July 2.
- Motor vehicle. H. C. Harbers. 2,400,199; May 14.

- Motor vehicle. B. C. Harris. 2,396,566; Mar. 12.
 Motor vehicle. C. W. Leach. 2,398,641; Apr. 16.
 Motor vehicle. A. Rapp. 2,399,652; May 7.
 Motor vehicle. A. Rapp. 2,401,961; June 11.
 Motor vehicle control. S. C. Fisher. 2,392,086; Jan. 1.
 Motor vehicle identification tag holder. C. T. and L. H. Storm. 2,392,757; Mar. 19.
 Motor vehicle periscope. D. L. Brinkley. 2,398,354; Apr. 16.
 Motor vehicle steering mechanism. H. C. Harbers. 2,392,985; Jan. 3.
 Motors. Control system for electric. J. V. Kresser. 2,400,999; May 28.
 Motors of submersible pumps. Cooling of driving. V. A. Hoover. 2,410,973; Nov. 12.
 Mount. See—
 Aerial camera mount.
 Mount for aircraft. Resilient. R. H. Prewitt. 2,395,143; Feb. 19.
 Mount for machine guns. J. M. Ewart. 2,403,591; July 9.
 Mount for optical elements. J. Mihalyi. 2,403,737; July 9.
 Mount for telescopic gun sights. H. A. Williams and P. A. Jung. 2,396,404; Mar. 12.
 Mount for telescopic sights. W. H. English. 2,407,977; Sept. 24.
 Mount. Gun. J. C. Trotter. 2,410,614; Nov. 5.
 Mount. Hand mirror. J. Casalino. 2,404,472; July 23.
 Mount. Instrument panel. C. S. Robinson. 2,410,749; Nov. 5.
 Mount. Machine gun. G. Johnston. 2,407,884; Sept. 17.
 Mount. Ordnance. D. C. Olmore. 2,397,687; Apr. 2.
 Mount. Picture. C. N. Cross. 2,405,409; Aug. 6.
 Mount. Power operated gun. R. C. Blaylock. 2,400,385; May 14.
 Mount. Reel. H. A. Kiest. 2,400,007; May 7.
 Mount. Segment type resilient engine. E. S. Thompson. 2,411,562; Nov. 26.
 Mount. Stereoscopic camera. D. D. Donaldson. 2,400,455; May 14.
 Mounting. See—
 Adjustable drill mounting. Phonograph tone arm mounting.
 Aerial mounting. Piezoelectric crystal mounting.
 Antenna mounting. Resilient mounting.
 Bearing mounting. Propeller mounting.
 Collar and collar mounting. Rear-view mirror mounting.
 Cross shaft mounting. Refrigerator motor - compressor mountings.
 Crystal mounting. Resilient mounting.
 Cushion mounting. Rubber spring mounting.
 Desk set mounting. Screw or threaded rod mounting.
 Disk mounting. Shade mounting.
 Drapery mounting. Sheave mounting.
 Electrical switch and out-let box mounting. Shielded tube mounting.
 Electromagnetic switch coil mounting. Shock-absorbent mounting.
 Engine valve mounting. Shockproof mounting.
 Fan and motor mounting. Spectrometer prism mounting.
 Fifth wheel mounting. Tool mounting.
 Fuel tank mounting. Tractor generator mounting.
 Funnel guide mounting. Tubular lamp mounting.
 Gun and sight mounting. Turret mounting.
 Gun mounting. Valve tappet mounting.
 Headlight mounting. Vehicle seat mounting.
 Hearing mounting. Vehicle wheel mounting.
 Helicopter rotor mounting. Vehicle window regulator mounting.
 Impeller mounting. Ophthalmic mounting.
 Lighthouse tube mounting. Mounting. P. C. Roche. 2,406,256; Aug. 20.
 Motor mounting. Mounting and assembly for snap-action electric switches. Spring. H. E. Schleicher. 2,408,274; Sept. 24.
 Mounting and brake therefor. Combined wheel. E. E. Wallace. 2,410,470; Nov. 5.
 Mounting for bobbin receivers for defect replenishing looms. W. H. Wakefield. 2,411,948; Dec. 3.
 Mounting for cleaner elements. J. T. Beatty and D. L. Bennett. 2,406,188; Aug. 20.
 Mounting for control members of aircraft. Hinged. J. Martin. 2,393,547; Jan. 22.
 Mounting for cooking stoves or the like. Door. G. Klehn. 2,410,980; Nov. 12.
 Mounting for coolant tubes. A. Kallitinsky. 2,412,341; Dec. 10.
 Mounting for damper plates. Pivotal. R. A. Walker. 2,405,770; Aug. 13.
 Mounting for earth movers. Pusher arm rear-end. E. W. Austin. 2,396,407; Mar. 12.
 Mounting for earthworking roller units. Bearing. T. G. Schmeiser. 2,404,535; July 23.
 Mounting for electric switches. Portable. H. R. Harrison. 2,408,309; Sept. 24.
 Mounting for electrical apparatus. W. Schaelchlin. 2,393,071; Jan. 15.
 Mounting for fragile instruments. Vibration and shock. T. H. Nakken and R. L. Stone. 2,397,804; Apr. 2.
 Mounting for guns or dischargers. C. D., A. J., and C. Schernberg. 2,405,089; July 30.
 Mounting for handle bars. Resilient. S. du Pont. 2,396,041; Mar. 5.
 Mounting for liquid fuel burners. Adjustable. C. Shom-er. 2,404,663; July 23.
 Mounting for pneumatic tires. Rim and wheel. H. A. Mullin. 2,392,493; Jan. 8.
 Mounting for pulleys, etc. D. Firth. 2,396,414; Mar. 12.
 Mounting for punch and die tools. Convertible. W. Wilson. 2,395,082; Feb. 19.
 Mounting for retractable blades. Motor. C. E. Meyer-hoefer. 2,407,570; Sept. 10.
 Mounting for road machine mold boards. Universal. H. C. French. 2,412,574; Dec. 17.
 Mounting for shells. Roller. L. H. Johnson. 2,399,189; Apr. 30.
 Mounting for sprockets in motion-picture apparatus. E. J. Wienke. 2,396,545; Mar. 12.
 Mounting for switches and the like. R. Haynes. 2,406,295; Aug. 20.
 Mounting means for gyroscopes. B. L. Allison and L. J. Wong. 2,409,178; Oct. 15.
 Mounting means. Wheel. W. H. Silver. 2,399,396; Apr. 30.
 Mounting stack. C. W. Barbour, Jr. 2,405,554; Aug. 13.
 Mouthpiece for musical instruments. A. Brillhart. 2,397,593; Apr. 15.
 Movement. Geneva. K. Brenkert. 2,399,721; May 7.
 Movement. Mechanical. R. S. Wilson. 2,407,559; Sept. 17.
 Mounting mechanism. Gun. F. V. Hart and L. S. Linde-rod. Jr. 2,409,041; Oct. 8.
 Mouthpiece. Instrument. J. S. Murano. 2,411,692; Nov. 26.
 Mover. Earth. H. W. Rockwell. 2,394,483; Feb. 5.
 Mover for electric catapults. Prime. R. C. Jones and M. F. Jones. 2,406,381; Aug. 27.
 Moving apparatus and control therefor. A. J. Konter. 2,401,082; May 28.
 Moving device. Earth. V. L. Schield. 2,405,981; Aug. 20.
 Moving vehicles. Method and apparatus for controlling. E. W. Dinga. 2,397,475; Apr. 2.
 Mower. S. E. Hibblom. 2,403,365; July 2.
 Mower attachment for garden tractors. Sickle bar. F. V. Donald. 2,397,310; Mar. 26.
 Mower. Push. A. T. Peterson. 2,407,767; Sept. 17.
 Mowers. Cutter bar for lawn. J. A. E. Carlson. 2,401,611; June 4.
 Mucking and loading machine. B. Williams. 2,399,416; Apr. 30.
 Mud logging system. F. E. Hummel. 2,400,046; May 7.
 Mud screen. F. E. Hutchison. 2,408,558; Oct. 1.
 Mud well drilling. E. P. Partridge. 2,393,560; Jan. 22.
 Muff. Ear. E. Berg. 2,413,283; Dec. 31.
 Muff. Brazed cylinder. A. A. Merry. 2,400,157; May 14.
 Muffler. G. H. Hedrick. 2,398,788; Apr. 23.
 Muffler. F. P. Huber. 2,396,952; Mar. 19.
 Muffler. M. Katcher. 2,392,247; Jan. 1.
 Muffler. R. B. Kuhn. 2,395,005; Feb. 19.
 Muffler. C. Peters. 2,402,078; June 11.
 Muffler. U. Sauer. 2,403,403; July 2.
 Muffler. Engine exhaust. E. A. Kliever, Sr. 2,392,989; Jan. 15.
 Muffler for marine power plants. H. W. Monaghan. 2,404,589; July 23.
 Multichannel system. E. Labin. 2,408,077; Sept. 24.
 Multicircuit connector. A. Wall. 2,409,004; Oct. 8.
 Multicontact relay. W. Vincent. 2,410,136; Oct. 29.
 Multidrive gear box. C. E. Waseiga. 2,410,849; Nov. 12.
 Multifilament lamp. J. H. Homrighous. 2,405,789; Aug. 13.
 Multiflash lamp. H. H. Magdsick. 2,404,970; July 30.
 Multiple anchoring means. E. A. Miller. 2,393,923; Jan. 29.
 Multiple chamber fluid container. J. W. Liska. 2,404,578; July 23.
 Multiple contact countercurrent extractor. C. E. Mensing. 2,405,158; Aug. 6.
 Multiple crystal holder. H. M. Bach. 2,409,607; Oct. 22.
 Multiple disk energizing clutch. H. T. Lambert. 2,406,022; Sept. 3.
 Multiple electric fuse plug. R. J. Peralta. 2,401,958; June 11.
 Multiple hinge structure. W. A. Shearer. 2,400,608; May 21.
 Multiple injection pump. L. Bech. 2,405,938; Aug. 20.
 Multiple program system. S. W. Seeley. 2,403,957; July 16.

- Multiple quick disconnect coupling. J. R. Snyder. 2,399,515; Apr. 30.
- Multiple rectifier cooling system. C. A. Kotterman. 2,412,989; Dec. 24.
- Multiple response supervisory system. J. A. Long and W. F. Wolfner, II. 2,411,888; Dec. 3.
- Multiple stage cyclonic separator. H. Rodman. 2,402,845; June 25.
- Multiplexer circuit. F. P. Wipff. 2,401,447; June 4.
- Multiplexer, Dynamic. R. Goldberg and F. Michels. 2,396,554; Mar. 12.
- Multiplexer, Electron. F. J. G. van den Bosch. 2,408,709; Oct. 1.
- Multiplexer, Frequency. E. G. Linder. 2,401,945; June 11.
- Multiplexer, Photoelectric electron. R. B. Janes. 2,401,734; June 11.
- Multiplying device, Electromechanical. A. W. Vance. 2,401,527; June 4.
- Multiplying mechanism. L. W. Imm. 2,394,181; Feb. 5.
- Multiplying unit. H. L. Clary and W. H. Petit. 2,403,480; July 9.
- Multipolar winding, Polyphase. M. Liwischitz. 2,408,219; Sept. 24.
- Multiport valve. C. T. McGill, D. W. Wessel, and M. W. Smith. 2,398,437; Apr. 16.
- Multiposition rotary switch. A. P. Sullivan. 2,411,478; Nov. 19.
- Multirange meter. R. W. Clark. 2,400,190; May 14.
- Multirevolution electrical control system. M. N. Yardeny. 2,393,492; Jan. 22.
- Multistack nested article dispensing apparatus. J. D. Reifsnyder and A. F. Miller. 2,394,262; Feb. 5.
- Multistage centrifugal pump. E. G. Landberg. 2,407,987; Sept. 24.
- Multiterminal structure. M. C. Gauthier. 2,411,783; Nov. 26.
- Music reproduction system. J. H. Snodgrass. 2,396,756; Mar. 19.
- Musical chime construction. G. R. Flsh. 2,412,978; Dec. 24.
- Mute for stringed musical instruments. R. B. Kingman. 2,405,700; Aug. 13.
- Muzzle closing mechanism. V. F. Lucht. 2,409,637; Oct. 22.
- N-malex products. G. Buechner. 2,400,337; May 14.
- N-(A-etherified-acetyl) carbanic acid esters. L. B. Kilgore and K. H. Weber. 2,401,080; May 28.
- N-acryl derivatives of aminobiphenyls. E. W. Gluesenkamp. 2,396,502; Mar. 12.
- N-benzyl-N-alkyl morpholinium compounds. J. B. and V. Niederl, and M. E. McGreal. 2,406,892; Sept. 3.
- N-hydrocarbon substituted pyrrolidine salts of monomeric diamine-phenols. E. C. Britton and J. N. Hansen. 2,395,315; Feb. 19.
- N,N'-diethylolaliphatic-p-phenylenediamines, Preparation of. E. W. Cook and W. D. Thomas, Jr. 2,393,889; Jan. 29.
- N-diethylbenzamide as an insect repellent. S. I. Gertler. 2,408,389; Oct. 1.
- N-nitroaryl haloarylsulphonamides. W. F. Hester. 2,402,623; June 25.
- N-phosphorylarylenediamines. J. B. Dickey and J. G. McNally. 2,411,527; Nov. 26.
- N-polyhydroxyalkyl-arylamines, Manufacture of. J. Bergel, A. Cohen, and J. W. Haworth. 2,411,611; Nov. 26.
- N-substituted aminophenols, Preparation of. F. R. Bean. 2,394,587; Feb. 12.
- N-substituted derivatives of 5-amino-1,3-benzodioxoles. H. Z. Lecher and J. P. Goulding. 2,409,133; Oct. 8.
- N-(thiazyl-thio-methylene) urethanes. W. Scott. 2,400,469; May 14.
- Nail. E. Klein. 2,412,517; Dec. 10.
- Nail, Coated. W. E. Boak. 2,403,783; July 9.
- Naphtha, Improving. R. N. Meinert and P. H. Holt, II. 2,410,891; Nov. 12.
- Naphtha, Isomerization of light. C. W. Nysewander and N. Fragen. 2,395,680; Feb. 26.
- Naphtha, Treatment of cracked. J. A. Anderson, Jr. 2,405,935; Aug. 20.
- Naphthenes, Alkylation of. L. Schmerling. 2,404,100; July 16.
- Naphthoquinone series, Compounds of. D. X. Klein. 2,399,355; Apr. 30.
- Navigating device. M. E. Sohn. 2,395,351; Feb. 19.
- Navigating method and apparatus. J. Neufeld. 2,412,003; Dec. 3.
- Navigation instrument. A. MacKay. 2,411,690; Nov. 26.
- Navigation instrument, including a horizon attachment. E. A. Link. 2,395,559; Feb. 26.
- Navigation system. T. M. Ferrill, Jr. 2,393,624; Jan. 29.
- Navigation system, Instrument. C. B. Watts, Jr. 2,406,876; Sept. 3.
- Navigation instrument. C. J. Crane. 2,393,310; Jan. 22.
- Navigator. A. Meyer. 2,407,893; Sept. 17.
- Nebulizer. G. B. Robinson. 2,396,204; Mar. 5.
- Neck band clamp mechanism. E. Davis. 2,409,110; Oct. 8.
- Neckband for collars and shirts, Adjustable. R. E. Frank. 2,396,842; Mar. 19.
- Necktie. R. E. Edmondson. 2,409,744; Oct. 22.
- Necktie. J. E. Johnson. 2,404,962; July 30.
- Necktie. W. S. Romme. 2,408,855; Oct. 8.
- Necktie. J. T. Scully. 2,400,604; May 21.
- Necktie. G. W. Stein. 2,396,446; Mar. 12.
- Necktie. A. F. Taborski. 2,411,907; Dec. 3.
- Necktie. A. F. Taborski and J. W. Terry. 2,408,455; Oct. 1.
- Necktie blanks, Cutting out four-in-hand. P. M. Spiecker. 2,402,302; June 18.
- Necktie construction. L. de V. Whitman. 2,413,398; Dec. 31.
- Necktie form. M. M. Newman. 2,402,291; June 18.
- Necktie holder. M. Pumps. 2,406,400; Aug. 27.
- Necktie knot form. C. E. Saxton. 2,411,640; Nov. 26.
- Neckties, Making. V. Naftali. 2,404,981; July 30.
- Neckwear, Men's. H. Pfau. 2,411,753; Nov. 26.
- Neckerchief and making the same. G. and V. F. Wipper. 2,402,795; June 25.
- Neckerchief display knot and making same. G. and V. F. Wipper. 2,405,921; Aug. 13.
- Needle and operating same. Knitting machine. R. C. Amidon. 2,403,961; July 16.
- Needle bar mechanism, Sewing machine. C. W. Johnson. 2,402,251; June 18.
- Needle controlling mechanism for knitting machines. R. Bassiss. 2,406,579; Aug. 27.
- Needle, Crochet. F. Franz. 2,402,388; June 18.
- Needle for hand knitting. O. C. Semonsen. 2,399,264; Apr. 30.
- Needle, Hypodermic. R. L. Huber. 2,409,979; Oct. 22.
- Needle, Knitting. R. C. Amidon. 2,400,476; May 21.
- Needle, Knitting machine. R. C. Amidon. 2,399,308; Apr. 30.
- Needle, Phonograph. W. H. Hutter. 2,405,307; Aug. 6.
- Needle, Sewing machine. M. M. Newman. 2,409,445; Oct. 15.
- Needle threader. M. Ingwer and W. W. Schwartz. 2,411,686; Nov. 26.
- Needle threading instrument. E. D. Gorka and M. B. Gideon. 2,412,505; Dec. 10.
- Needlework with tied loops, Knotted. R. F. Morealdi D'. 2,407,031; Sept. 3.
- Needles, Making knitted. H. W. Donisthorpe. 2,396,412; Mar. 12.
- Needles, Stringing. E. E. West. 2,401,535; June 4.
- Needles, Threading. B. T. Wall. 2,413,014; Dec. 24.
- Negative impedance circuit. K. S. Johnson. 2,410,076; Oct. 29.
- Neon lamp volume indicator. M. Camras. 2,411,848; Dec. 3.
- Neoprene, Curing. B. W. Bender. 2,411,773; Nov. 26.
- Neoprene in aqueous media, Dispersions of. F. N. Wilder. 2,405,224; Aug. 13.
- Neoprene, Vulcanizing. J. P. Nowlen and M. F. Torrence. 2,402,837; June 25.
- Nested serving table. A. R. Fergusson. 2,409,027; Oct. 8.
- Net, Aircraft landing. H. T. Bogle. 2,405,556; Aug. 13.
- Net, Camouflage. D. L. Swasey. 2,402,709; June 25.
- Net, Machine-made. A. E. Hunter and S. F. Topott. 2,412,336; Dec. 10.
- Net, Making. M. G. Grabowsky. 2,408,308; Sept. 24.
- Net, Torpedo. G. H. Bannerman. 2,404,612; July 23.
- Net, Torpedo. E. Brickman. 2,408,367; Oct. 1.
- Net, Torpedo. H. W. Riddle. 2,408,482; Oct. 1.
- Network, Coupled. R. B. Hoffman. 2,401,353; June 4.
- Network, Electrical. E. K. Stodola. 2,397,992; Apr. 9.
- Network, Frequency changing. C. M. L. Eyre and J. O. Gilderdale. 2,408,053; Sept. 24.
- Network, Selectivity adjustment coupling. R. W. Turner. 2,400,857; May 21.
- Network, Time delay. M. J. Di Toro. 2,413,607; Dec. 31.
- Network, Time delay. H. A. Wheeler. 2,413,609; Dec. 31.
- Netted fabric. M. Sadinoff. 2,399,392; Apr. 30.
- Neutralizing apparatus and manufacture of same. W. H. Chapman. 2,392,808; Jan. 15.
- New composition of matter. A. Burger. 2,400,913; May 28.
- New products. A. F. Hardman. 2,405,886; Aug. 13.
- Newspaper vending machine. D. D. Cameron. 2,396,411; Mar. 12.
- Newspapers and the like, Folding. K. C. Garrison. 2,410,039; Oct. 29.
- Nickel and ammonia, Recovery of. R. C. Hills. 2,400,114; May 14.
- Nickel and cobalt, baths and agents therefor, Electroplating. M. L. Freed. 2,409,119; Oct. 8.
- Nickel and/or cobalt from nickeliferous ores, Recovery of. R. C. Hills and M. F. Dufour. 2,400,115; May 14.
- Nickel and/or cobalt from ores, Recovery of. V. H. Brogdon. 2,400,098; May 14.
- Nickel anodes electrolytically, Making sulphur-containing. H. E. Tschopp. 2,392,708; Jan. 8.
- Nickel, Electrodeposition of. H. Brown. 2,402,801; June 25.
- Nickel, Electrodeposition of. M. Kosmin. 2,401,428; June 4.
- Nickel, Refining. W. J. Kroll. 2,396,792; Mar. 19.
- Nickel, Refining. W. J. Kroll. 2,396,794; Mar. 19.
- Nicotinamide, Preparing. E. F. Pike and R. S. Shane. 2,412,749; Dec. 17.
- Nitric compound, Synthesis of. W. Shive and R. A. Glenn. 2,409,806; Oct. 22.

- Nightgown, Two-piece. M. Schwartz. 2,402,782; June 25.
 9,10-epoxyoctadecanol and its preparation. D. Swern. 2,411,762; Nov. 25.
 Nipple applying instrument. M. H. Sidebotham. 2,408,693; Oct. 1.
 Nipple inserting tool. R. G. Cox. 2,400,686; May 21.
 Nitrate. Manufacture of cellulose. L. L. Blyler. 2,399,620; May 7.
 Nitrating amines. G. V. Caesar and M. Goldfrank. 2,398,080; Apr. 9.
 Nitration. G. V. Caesar. 2,400,287; May 14.
 Nitriding apparatus. N. M. Sakrover. 2,392,267; Jan. 1.
 Nitride, Production of acrylic. F. R. Balcarr. 2,392,303; Jan. 8.
 Nitriles, and making the same. J. K. Lichty. 2,394,520; Feb. 5.
 Nitriles, Production of unsaturated. H. A. Dutcher. 2,404,280; July 16.
 Nitriles, Production of unsaturated. C. R. Wagner. 2,412,437; Dec. 10.
 Nitriles, Purifying. A. W. Ralston, L. T. Crews, and E. W. Colt. 2,401,772; June 11.
 Nitriles, Refining of. J. W. Teter and W. J. Merwin. 2,411,346; Nov. 19.
 Nitriles, Synthesis of. D. J. Loder. 2,405,966; Aug. 20.
 Nitrocellulose film base. Stabilization of. D. R. Swan and J. M. Calhoun. 2,407,209; Sept. 3.
 Nitrocellulose, Manufacturing. F. J. Bouchard, R. C. Gunness, and R. L. Stern. 2,403,493; July 9.
 Nitro-cellulose, Producing. H. Von Kohorn. 2,410,319; Oct. 29.
 Nitrocellulose, Stabilization of. R. E. Reeves and J. E. Giddens. 2,404,887; July 30.
 Nitro compounds, Manufacture of. G. D. Buckley. 2,408,607; Oct. 1.
 Nitro compounds, Reduction of. J. J. Owen. 2,402,439; June 18.
 Nitro compounds, Reduction of aromatic. R. B. Mason. 2,402,423; June 18.
 Nitrogen compounds, Preparation of. C. E. Schweitzer. 2,413,469; Dec. 31.
 Nitrogen from internal-combustion engine exhaust gases, Producing. E. L. Pridonoff and A. J. Schneider. 2,409,386; Oct. 15.
 Nitrogen tetroxide addition products, Preparation of. J. A. Crowder. 2,402,315; June 18.
 Nitrogenous resins and intermediates thereof, Synthetic. W. O. Kenyon and D. D. Reynolds. 2,409,126; Oct. 8.
 Nitroguanidine, Preparation of pure. F. D. Miles and H. Jackson. 2,392,860; Jan. 15.
 Nitro ketals and preparation thereof. G. H. Morey. 2,406,504; Aug. 27.
 Nitrolic acids and pseudonitroles, Preparation of. E. M. Nygaard. 2,401,267-8; May 28.
 Nitrophenylthene compositions, Halogenated. F. M. Clark. 2,402,872; June 25.
 Nitroparaffin derivatives, Production and esterification of esterifiable. A. McLean. 2,399,686; May 7.
 Nitro-paraffins, Production of. N. Levy. 2,394,315; Feb. 5.
 Noise limiting circuit. G. W. Fyler. 2,404,626; July 23.
 Noise squelch system. R. A. Peterson. 2,400,948; May 28.
 Nonbenzenoid compounds. L. W. Butz. 2,405,540; Aug. 6.
 Nonbenzoid compounds. L. W. Butz. 2,391,943; Jan. 1.
 Nonchafing catamenial pad. J. P. Canavan. 2,408,508; Oct. 1.
 Noncombustible fuel tank. B. Walker. 2,404,418; July 23.
 Nonfoaming compositions, and making same. G. H. B. Davis and J. C. Zimmer. 2,394,596; Feb. 12.
 Non-friction bearing ball dispenser. J. D. Farries. 2,407,409; Sept. 10.
 Nonicing throttle valve. H. Eberhardt. 2,393,760; Jan. 29.
 Nonintermittent motion-picture projector. C. D. Miller. 2,400,886; May 28.
 Nonrefillable container. N. Archdiacano. 2,400,730; May 21.
 Nonreturn valve. H. O. Farmer. 2,408,056; Sept. 24.
 Nonskid chain. J. Sweeney. 2,403,312; July 2.
 Nonspill vent plug. R. A. Dally and G. R. Crooks. 2,405,736; Aug. 13.
 Norpolycyclopentenones. H. A. Bruson. 2,393,607; Jan. 29.
 Nose pump. O. Hor. 2,412,269; Dec. 10.
 Notice impelling device. R. Mistell. 2,405,320; Aug. 6.
 Novel composition of matter. I. E. Muskat and F. Strain. 2,399,285; Apr. 30.
 Novelty device. M. V. Sullivan. 2,402,463; June 18.
 Nozzle. O. D. Shonnard. 2,392,195; Jan. 1.
 Nozzle adjustment for suction cleaners. P. T. Ihahn. 2,396,840; Mar. 19.
 Nozzle control. D. M. Poole. 2,411,895; Dec. 3.
 Nozzle device for eroders on chocolate coating machines and the like, Air blast. A. A. Tunley. 2,410,762; Nov. 5.
 Nozzle, Fog producing. F. W. Funk. 2,395,621; Feb. 26.
 Nozzle for air grease guns, Coupling. E. B. Norman. 2,408,078; July 9.
 Nozzle for duodenal pump tubes. C. De P. Aguilar. 2,393,728; Jan. 29.
 Nozzle for filters and the like, Distribution. J. Bill, Jr. 2,412,032; Dec. 3.
 Nozzle for jet-propelled aircraft, Variable-area. A. Sherman. 2,408,089; Sept. 24.
 Nozzle for shipping containers, Reversible. G. H. W. Dooze. 2,413,438; Dec. 31.
 Nozzle, Injection. T. M. Bail. 2,407,915; Sept. 17.
 Nozzle, Injection. W. E. Snowden and H. F. Raynor. 2,413,083; Dec. 24.
 Nozzle, Mixing. E. O. Sowerwine, Jr. 2,399,712; May 7.
 Nozzle, Multipart distribution. L. T. Mart. 2,409,371; Oct. 15.
 Nozzle, Sandblast. J. R. Bugley. 2,413,167; Dec. 24.
 Nozzle, Spray. F. W. Wahlm. 2,395,470; Feb. 26.
 Nozzle, Spearhead. W. Rundle and H. E. Bruce. 2,411,231; Nov. 19.
 Nozzle, Spray. C. B. Ferrel. 2,392,085; Jan. 1.
 Nozzle, Spray. H. G. Houghton. 2,410,215; Oct. 29.
 Nozzle, Spray. F. W. Wahlm. 2,396,449; Mar. 12.
 Nozzle, valve, and valve disk fastening means, Dispensing. C. F. Sievers. 2,406,914; Sept. 3.
 Nozzle, Variable turbine. F. P. Sollinger. 2,412,365; Dec. 10.
 Number printing apparatus, Consecutive. G. N. Krouse. 2,404,912; July 30.
 Nursing bottle holder. M. Rayko. 2,412,426; Dec. 10.
 Nursing bottle holder. C. C. Riggs. 2,399,389; Apr. 30.
 Nursing bottle support. L. D. and H. B. Brose. 2,399,320; Apr. 30.
 Nut. T. W. Hilton. 2,399,227; Apr. 30.
 Nut. R. W. Luce. 2,396,588; Mar. 12.
 Nut, Adjustable. L. Frank. 2,393,764; Jan. 29.
 Nut and bolt, Lock. L. D. Rounds. 2,398,965; Apr. 23.
 Nut and screw mechanism. O. L. Beardsley. 2,406,343; Aug. 27.
 Nut and screw mechanism. T. W. Mills. 2,393,924; Jan. 29.
 Nut blanks, Making. R. L. Wilcox. 2,393,850; Jan. 29.
 Nut butters and the product obtained thereby, Rendering flavors accessible in. J. L. Rosefield and F. L. Avera. 2,402,915; June 25.
 Nut, Castalated. E. C. Crowther. 2,393,519; Jan. 22.
 Nut, Locking. R. H. Fullerton. 2,396,269; Mar. 12.
 Nut, Composite. O. Haas. 2,407,879; Sept. 17.
 Nutcracker. H. Spooner. 2,407,350; Sept. 10.
 Nut cracking machine. F. F. Feldmann. 2,408,510; Oct. 1.
 Nut cracking machine. J. Kittrell. 2,402,755; June 25.
 Nut cracking machine. L. K. Maulsby and J. A. McGrann. 2,402,797; Oct. 1.
 Nut device and installation thereof. A. W. Kimbell. 2,401,427; June 4.
 Nut, Lock. R. H. threadless studs and the like. R. E. Eggert. 2,393,030; Jan. 15.
 Nut, Lock. J. P. Burke. 2,400,072; May 14.
 Nut, Lock. E. C. Crowther. 2,393,520; Jan. 22.
 Nut, Lock. R. E. Eggert. 2,397,251; Mar. 26.
 Nut, Lock. R. H. Fullerton. 2,396,269; Mar. 12.
 Nut, Lock. R. Funk. 2,406,070; Aug. 20.
 Nut, Lock. R. T. Hosking. 2,391,902; Jan. 1.
 Nut, Lock. O. J. Poupitch. 2,395,142; Feb. 19.
 Nut, Lock. M. M. Reese. 2,400,166; May 14.
 Nut, Lock. L. W. Schaper. 2,394,491; Feb. 5.
 Nut, Lock. E. Schlueter. 2,395,234; Feb. 19.
 Nut, Lock. F. J. Schumacher. 2,402,583; June 25.
 Nut, Lock. J. R. Thorp and S. Strand. 2,403,666; July 9.
 Nut, Lock. F. C. Wallace. 2,393,436; Jan. 22.
 Nut lock. R. F. Warren, Jr. 2,399,928; Apr. 30.
 Nut lock. R. W. Williams. 2,409,969; Oct. 22.
 Nut making machine. Lock. C. D. Tripp. 2,408,457; Oct. 1.
 Nut or the like. Stop. W. D. Kelly. 2,399,639; May 7.
 Nut picker. B. F. Brown. 2,394,745; Feb. 12.
 Nut, Removable basket. J. E. Johnson. 2,409,209; Oct. 15.
 Nut, Safety. B. A. Clauson. 2,405,088; July 30.
 Nut, Self-locking. C. B. Gwyn, Jr. 2,410,730; Nov. 5.
 Nut, Self-locking. M. Hatfan. 2,402,159; June 18.
 Nut, Self-locking. O. J. Huelsner. 2,414,444; Nov. 5.
 Nut, Self-locking. A. C. Lusher. 2,410,090; Oct. 29.
 Nut, Self-locking. E. M. Morehouse. 2,393,054; Jan. 15.
 Nut, Sheet metal. R. E. Eggert. 2,410,968; Nov. 12.
 Nut, Sheet metal. E. M. Morehouse. 2,408,573; Oct. 1.
 Nut, Sheet metal lock. R. G. Olson, Jr. 2,410,999; Nov. 12.
 Nut, Spring. R. E. Eggert. 2,396,835; Mar. 19.
 Nut, Stop. W. H. Taylor and R. E. Workman. 2,400,444; May 14.
 Nut, Wing. J. F. Ballak. 2,399,090; Apr. 23.
 Nut, Wing. L. C. Brose. 2,397,238; Mar. 20.
 Nuts and the like, Manufacture of. V. V. Mason. 2,408,793; Oct. 8.
 Nuts, Clamp for flexible conduit attaching. A. H. Cadman. 2,400,338; May 14.
 Nuts, Making grip. E. J. Cole. 2,395,037; Feb. 19.
 Nutrient materials. F. A. Moller. 2,396,592; Mar. 12.
 Nylon, Recovering the salt-forming components of. C. D. Myers. 2,407,896; Sept. 17.
 Nylon to adhesion, Improving the adhesion of. J. Compton. 2,402,021; June 11.
 O-carbonyldioxy acid dyestuffs and their manufacture. A. Conzetti. 2,405,816; Aug. 13.
 O-sulphobenzolic acids, Manufacture of. W. Stambach. 2,407,351; Sept. 10.

- Object detecting and locating system. R. H. Varian, W. W. Hansen and J. R. Woodyard. 2,408,825; Oct. 8.
- Object detection and location. I. Wolff. 2,412,702; Dec. 17.
- Object locator. E. W. Bemis. 2,405,281; Aug. 6.
- Object locating system. J. B. Hays, Jr. 2,408,395; Oct. 1.
- Objective. L. T. Sachtleben. 2,407,347; Sept. 10.
- Objective for projection, photography, television, and for telescope. A. J. Holman. 2,410,069; Oct. 29.
- Observation and angle-determining instrument. F. H. Hagner. 2,411,425; Nov. 19.
- Observation system. H. Benioff. 2,408,035; Sept. 24.
- Odorizing. 1, 2-dichloro-1, 1-difluoroethane. J. Harmon. 2,399,024; Apr. 23.
- Occupant-propelled vehicle. J. K. Livingston. 2,399,874; May 7.
- Occupant steered and propelled vehicle. R. B. Estes. 2,402,880; June 25.
- Ocular. R. Kingslake and W. D. Orser. 2,393,782; Jan. 29.
- Oestrogens, Synthetic. M. S. Kharasch. 2,392,852; Jan. 15.
- Oestrogens, Synthetic. M. S. Kharasch. 2,402,054; June 11.
- Off-peak hot-water heater. H. J. Rougier. 2,407,453; Sept. 10.
- Oil and gas wells, Treatment of. H. T. Kennedy and P. L. Gassett. 2,411,793; Nov. 26.
- Oil and retaining gas through deviating bores, Producing. J. A. Zublin. 2,404,341; July 16.
- Oil and the corrosive inhibitor therefor, Inhibited turbine. J. D. Morgan and R. E. Lowe. 2,393,799; Jan. 29.
- Oil base, Cutting. L. D. Myers and V. J. Muckerheide. 2,393,927; Jan. 29.
- Oil bath air filter. A. M. Goodloe. 2,400,347; May 14.
- Oil blend. H. C. Evans and D. W. Young. 2,411,150; Nov. 19.
- Oil burner. B. F. Castle. 2,395,655; Feb. 26.
- Oil burner. B. F. Castle. 2,404,039; July 16.
- Oil burner. J. A. Csepely. 2,395,614; Feb. 26.
- Oil burner. D. C. Elliot and O. H. Paul. 2,405,196; Aug. 6.
- Oil burner. J. T. Grotenhous. 2,409,677; Oct. 22.
- Oil burner. H. C. Little. 2,401,086; May 28.
- Oil burner. J. A. Logan. 2,395,487; Feb. 26.
- Oil burner. J. A. Logan. 2,409,504; Oct. 15.
- Oil burner. H. D. Mackaye. 2,408,865; Oct. 8.
- Oil burner. L. W. Milos. 2,394,629; Feb. 12.
- Oil burner. G. C. Peter. 2,400,131; May 14.
- Oil burner. L. F. Spurner. 2,405,243; Aug. 6.
- Oil burner. A. von Haase. 2,396,306; Mar. 12.
- Oil burner with vaporizing type pilot. J. L. Brees. 2,393,233; Jan. 22.
- Oil burning equipment and controlling mechanism therefor. T. Nagel and H. D. Bess. 2,403,250; July 2.
- Oil circulatory system employed in fuel injection pumps. J. E. Houser. 2,395,330; Feb. 19.
- Oil composition. D. W. Young and E. Lieber. 2,411,178; Nov. 19.
- Oil composition and improving agent, Mineral. E. W. Fuller, H. G. Berger, and R. H. Williams. 2,411,153; Nov. 19.
- Oil composition and the like, Mineral. G. H. Denison, Jr., and P. C. Condit. 2,398,415; Apr. 16.
- Oil composition, Cutting. B. F. Hunter and H. P. Hobart. 2,413,353; Dec. 31.
- Oil composition, Gun. J. E. Shields. 2,397,904; Apr. 2.
- Oil composition, Hydrogenated. F. M. Clark. 2,410,715; Nov. 5.
- Oil composition, Lubricating. A. H. Gleason. 2,394,909; Feb. 12.
- Oil composition, Lubricating. V. N. Jenkins. 2,410,381; Oct. 29.
- Oil composition, Mineral. J. J. Giammaria. 2,410,578; Nov. 5.
- Oil composition, Mineral. O. M. Reiff and D. W. Andrus. 2,401,273; May 28.
- Oil composition resistant to foaming, Mineral. H. G. Smith and T. L. Cantrell. 2,397,378-80; Mar. 26.
- Oil composition, Wrinkling. W. A. Waldie. 2,394,490; Feb. 5.
- Oil compositions. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,408,102; Sept. 24.
- Oil compositions and methods of suppressing foaming in oils, Mineral. H. G. Smith and T. L. Cantrell. 2,397,377-8; Mar. 26.
- Oil compositions and methods of suppressing foaming in oils, Mineral. H. G. Smith and T. L. Cantrell. 2,397,381; Mar. 26.
- Oil compositions, Viscous mineral. R. W. Watson and J. W. Gaynor. 2,402,792; June 25.
- Oil, Compounded. G. H. Denison, Jr., and P. C. Condit. 2,398,416; Apr. 16.
- Oil, Compounded. G. H. Denison, Jr., and P. C. Condit. 2,400,106; May 14.
- Oil, Compounded lubricating. G. H. Denison, Jr., and P. C. Condit. 2,394,536; Feb. 12.
- Oil, Compounded lubricating. J. R. Griffin, Jr., and P. R. Van Ess. 2,410,652; Nov. 5.
- Oil, Compounded lubricating. J. G. McNab and D. T. Rogers. 2,409,686; Oct. 22.
- Oil, Compounded lubricating. J. G. McNab and C. Winning. 2,411,583; Nov. 26.
- Oil, Compounded lubricating. R. J. Miller and J. T. Rutherford. 2,412,903; Dec. 17.
- Oil, Compounded lubricating. D. T. Rogers and J. G. McNab. 2,406,564; Aug. 27.
- Oil conditioner, Automatic. H. Cruzan and E. C. Warrick. 2,406,203; Aug. 20.
- Oil content of subterranean formations, Determining the. H. G. Doll. 2,395,617; Feb. 26.
- Oil cooler control, Thermostatic. G. W. McEntire. 2,396,053; Mar. 5.
- Oil, Cutting. T. W. Culmer. 2,412,131; Dec. 3.
- Oil, Cutting. H. Diamond. 2,406,871; Aug. 27.
- Oil, Cutting. P. P. Gabriel. 2,412,082; Dec. 3.
- Oil, Cutting. J. S. Yule. 2,394,735; Feb. 12.
- Oil, Dehydrating. I. M. Colbeth. 2,392,119; Jan. 1.
- Oil, Dehydration of. S. W. Briggs, W. C. Bauer, W. J. Feibank, and R. C. Porter. 2,393,965; Feb. 5.
- Oil desalting and/or dewatering. J. A. Guyer. 2,410,970; Nov. 12.
- Oil, Desalting crude. V. Voorhees. 2,400,986; May 28.
- Oil desludging process, Fatty. W. A. Bush and E. A. Lasher. 2,410,926; Nov. 12.
- Oil deterioration, Transformer construction for inhibiting. R. R. Pittman. 2,394,329; Feb. 5.
- Oil, Diesel fuel. B. T. Anderson and M. T. Flaxman. 2,399,771; Apr. 2.
- Oil feed pump by minute drop-like volume, Positive. A. Burger. 2,413,136; Dec. 24.
- Oil field emulsions, Method and apparatus for handling. R. C. Buchanan. 2,398,204; Apr. 9.
- Oil field waters, Purifying. H. Schiller and A. Shapiro. 2,407,180; Sept. 3.
- Oil filter. W. L. Clay. 2,393,886; Jan. 29.
- Oil filter. M. Katcher. 2,400,200-1; May 14.
- Oil filter. A. G. F. Wallgren. 2,392,348; Jan. 8.
- Oil, Flushing. R. F. Rutherford. 2,410,613; Nov. 5.
- Oil foam inhibitor. A. H. Batchelder and F. S. Rollins, Jr. 2,402,487; June 18.
- Oil, Hydraulic fluid and lubricating. M. H. Kollen. 2,398,943; Apr. 23.
- Oil, Lubricating. B. H. Lincoln and G. D. Byrkit. 2,395,889; Mar. 5.
- Oil, Lubricating. R. L. May. 2,409,877-8; Oct. 22.
- Oil, Lubricating. J. R. Morris and R. F. McCleary. 2,409,303; Oct. 15.
- Oil manufacture, Drying. A. Schwarcman. 2,412,177; Dec. 3.
- Oil, Manufacture of salad. L. C. Brown. 2,393,744; Jan. 29.
- Oil, Mineral. R. E. Meyer. 2,399,817; May 7.
- Oil, Modified. H. M. Ullman. 2,396,763; Mar. 19.
- Oil, Nonsoluble cutting. E. C. Hughes. 2,398,429; Apr. 16.
- Oil or gas wells, Drilling. H. J. Krase. 2,393,047; Jan. 15.
- Oil, Preparation of soluble. H. L. Johnson and J. H. Perrine. 2,395,627; Feb. 26.
- Oil, Process of refining. B. Clayton. 2,392,973; Jan. 15.
- Oil products and preparation of same, Castor. F. A. Bent and C. R. Ryan. 2,394,742; Feb. 12.
- Oil, Purification of. B. Clayton. 2,412,251; Dec. 10.
- Oil, Reclaiming crankcase. M. F. Peters and A. A. Beal. 2,399,140; Apr. 23.
- Oil recovery. K. H. Andersen. 2,402,588; June 25.
- Oil refining device. C. N. Pogue. 2,392,548; Jan. 8.
- Oil, Refining hydrocarbon. H. G. Schutze. 2,400,373; May 14.
- Oils, Refining of mineral. G. H. Cummings, W. J. Sweeney, and M. R. Fenske. 2,396,300-2; Mar. 12.
- Oil seal construction. J. H. Victor. 2,405,279; Aug. 6.
- Oil separator. W. R. Freeman. 2,398,090; Apr. 9.
- Oil soluble polyalkyl aromatic sulfonates, Substantially. J. Faust. 2,409,671; Oct. 22.
- Oil-soluble sulphonates, Purification of. W. K. Griesinger. 2,406,763; Sept. 3.
- Oil solution of a condensed organic amino compound, Preparing. J. L. Wasson and W. M. Smith. 2,410,911; Nov. 12.
- Oil solutions of basic alkaline earth metal sulphonates, and making same. W. K. Griesinger and E. H. Engelking. 2,402,325; June 18.
- Oil stocks, Refining lubricating. E. F. Engelke. 2,394,965; Feb. 12.
- Oil tank. A. C. Chester. 2,399,323; Apr. 30.
- Oil tank. D. M. Nelson and H. W. Rockwell. 2,396,927; Mar. 19.
- Oil treatment, Tall. A. L. Osterhof. 2,396,471; Mar. 12.
- Oil, Turbine. H. Schindler and L. M. Henderson. 2,405,906; Aug. 13.
- Oil well device. E. V. Crowell. 2,397,472; Apr. 2.
- Oil well device. P. H. Granger. 2,402,886; June 25.
- Oil well pump. F. Kowalski, Jr., and R. L. Harper. 2,408,075; Sept. 24.
- Oil well sand pump. H. G. Houston and J. B. Humphrey. 2,405,697; Aug. 13.
- Oil well testing device. C. V. Millikan. 2,395,137; Feb. 12.
- Oil well tool. P. H. Granger. 2,404,876; July 30.
- Oil wells, Treatment of. J. E. Munn. 2,402,433; June 18.
- Oilier, Annular wick. P. Knapp. 2,391,980; Jan. 1.

- Oiler, Shaft. C. W. and D. H. Madsen. 2,402,565; June 25.
- Oils and Shatts, Stabilization of. M. R. Coe, Jr., and M. R. Coe. 2,397,920; Apr. 9.
- Oils and fats, Treating. B. H. S. Chappell. 2,410,427; Nov. 5.
- Oils and preparation therefor, Drying. F. J. Stark and G. H. Slack. 2,399,697; May 7.
- Oils and preparing same, Stable sulphurized. T. H. Rogers and J. S. Wallace. 2,396,345; Mar. 12.
- Oils and preparing the same, Stable sulphurized. J. S. Wallace and T. E. Sharp. 2,392,891; Jan. 15.
- Oils and waxes, Treatment of. R. P. Dunmire. 2,401,339; June 4.
- Oils, Beneficiating mineral. E. C. Hughes. 2,411,160; Nov. 19.
- Oils, Blended lubricating. D. W. Young and T. J. Peters, Jr. 2,393,212; Jan. 15.
- Oils, Catalytic conversion of hydrocarbon. C. Richker and du B. Eastman. 2,404,595; July 23.
- Oils, Catalytic conversion of hydrocarbon. R. K. Stratford. 2,396,753; Mar. 19.
- Oils, Coking. J. W. Payne, H. D. Noll, and V. A. Kalichevsky. 2,403,608; July 9.
- Oils, Conversion of hydrocarbon. G. C. Connolly. 2,396,641; Mar. 19.
- Oils, Conversion of hydrocarbon. G. S. Dunham. 2,393,028; Jan. 15.
- Oils, Cracking and coking hydrocarbon. T. Williamson and N. A. Scardino. 2,395,081; Feb. 19.
- Oils, Cracking of hydrocarbon. J. M. Barron. 2,398,280; Apr. 9.
- Oils, Decolorizing hydrocarbon. W. A. La Lande, Jr. 2,395,931; Mar. 5.
- Oils, Dehydration of transformer. P. P. Alexander. 2,399,192; Apr. 30.
- Oils, Desalting crude. B. L. Evering and A. P. Lien. 2,400,985; May 28.
- Oils, Dewaxing. E. M. Dons and O. G. Mauro. 2,410,483; Nov. 5.
- Oils, Emulsification of vegetable and animal. A. Moscovitz. 2,396,718; Mar. 19.
- Oils, Hydrobleaching glyceride. W. J. Paterson. 2,410,102; Oct. 29.
- Oils, Infrared treatment of. W. A. Waldie and H. A. Fontain, Jr. 2,411,767; Nov. 26.
- Oils, Lubricating. C. M. Blair, Jr. 2,412,557; Dec. 17.
- Oils, Lubricating. C. M. Blair, Jr. 2,412,708; Dec. 17.
- Oils, Lubricating. S. Musher. 2,408,090; Sept. 24.
- Oils, Manufacture of lubricating. A. Lazar and J. C. Carter. 2,402,238; June 18.
- Oils, Method of treating. K. M. Laing. 2,403,088; July 2.
- Oils, Modifying fatty. L. Auer. 2,396,670; Mar. 19.
- Oils, Preparing lubricating. L. M. Henderson and W. G. Annable. 2,397,662; Apr. 2.
- Oils, Preserving vitamin-containing. S. Musher. 2,410,455; Nov. 5.
- Oils, Purifying mineral. C. H. M. Roberts. 2,402,844; June 25.
- Oils, Reclaiming used lubricating. J. M. Musselman. 2,393,335; Jan. 22.
- Oils, Refining fatty. K. Lloyd and H. L. Kell. 2,397,874; Apr. 2.
- Oils, Refining hydrocarbon. G. H. Cummings, W. J. Sweeney, and M. R. Fenske. 2,396,303; Mar. 12.
- Oils, Refining hydrocarbon. W. J. Sweeney, M. R. Fenske, and G. H. Cummings. 2,396,299; Mar. 12.
- Oils, Refining mineral. J. V. Montgomery, L. B. Goodson, and R. W. Henry. 2,409,059; Oct. 8.
- Oils, Refining of mineral. J. C. Alspaugh. 2,397,077; Mar. 26.
- Oils, Steam turbine. A. G. Rocchini. 2,399,510; Apr. 30.
- Oils, Synthetic drying. C. J. Mighton. 2,401,769; June 11.
- Oils, Transformer. E. Amott. 2,397,332; Mar. 26.
- Oils, Treating fatty. A. Schwarzman. 2,412,176; Dec. 3.
- Oils, Treating rolling. R. P. Dunmire and J. A. Camelford. 2,401,340; June 4.
- Oils, Treatment of. R. P. Dunmire. 2,401,341; June 4.
- Oils, Treatment of hydrocarbon. V. L. Chechot. 2,402,804; June 25.
- Oils, Treatment of mineral. L. A. Burrows. 2,411,502; Nov. 26.
- Oils, Treatment of vegetable. P. L. Julian and H. T. Freson. 2,392,390; Jan. 8.
- Oils, Turbine. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,400,611; May 21.
- Olefin concentration. C. E. Morrell, J. K. Small, and J. H. McAttee. 2,399,882; May 7.
- Olefin-containing mixtures, Treatment of. G. C. Bailey. 2,403,779; July 9.
- Olefin dehydrogenation, Procedure for. S. D. Sumerford. 2,401,846; June 11.
- Olefin-diolefin copolymers, Vulcanization of. S. Breck and E. S. Evers. 2,395,778; Feb. 26.
- Olefin hydrocarbons, Polymerization of. W. A. La Lande, Jr., and H. Heinemann. 2,406,081; Aug. 20.
- Olefin oxides, Manufacture of. T. W. Evans. 2,404,438; July 23.
- Olefin polymerization. C. S. Kuhn, Jr. 2,400,621; May 21.
- Olefin polymers, Production of. G. C. Bailey. 2,409,727; Oct. 22.
- Olefines, Amination of. J. W. Teter. 2,397,705; Apr. 2.
- Olefines, Distillation of aromatic. R. A. Franz. 2,399,340; Apr. 30.
- Olefinic materials, Polymerizing. M. M. Brubaker. 2,396,677; Mar. 19.
- Olefinic materials, Polymerizing. W. E. Hanford. 2,395,327; Feb. 19.
- Olefinic nitriles, Refining crude. E. L. Carpenter, H. S. Davis, and O. P. Wiedeman. 2,404,163; July 15.
- Olefinic sulphur-bearing gasoline to effect substantial desulphurization and refining, Treatment of. R. M. Cole. 2,392,579; Jan. 8.
- Olefins, Alkylation of mixed. R. N. Meinert. 2,408,798; Oct. 8.
- Olefins from a hydrocarbon stream, Recovering. J. C. Showalter. 2,400,376; May 14.
- Olefins from a hydrocarbon stream, Separating. J. H. Cone. 2,400,340; May 14.
- Olefins from acid extracts, Recovery of secondary. H. W. Scheeline. 2,407,386; Sept. 10.
- Olefins, Hydrogenating. H. F. Kohler. 2,403,288; July 2.
- Olefins, Isomerization of. N. H. Marsh. 2,405,440; Aug. 6.
- Olefins, Making. W. M. Quattlebaum, Jr., and W. J. Toussaint. 2,407,291; Sept. 10.
- Olefins, Manufacture of. C. K. Viland and H. Y. Hyde. 2,409,815; Oct. 22.
- Olefins, Polyhalogenated. R. M. Joyce, Jr. 2,410,541; Nov. 5.
- Olefins, Polymerization of. B. L. Evering, E. L. d'Ouville, and D. R. Carmody. 2,407,873; Sept. 17.
- Olefins, Polymerizing. R. E. Burk and E. C. Hughes. 2,404,788; July 30.
- Olefins, Polymerizing. W. E. Hanford. 2,405,950; Aug. 20.
- Olefins, Segregation of. J. T. Horeczy and E. F. Wadley. 2,392,739-40; Jan. 8.
- Olefins, Separation of. I. D. Hall. 2,400,350; May 14.
- Olefins, Separation of. M. P. Matuszak. 2,403,672; July 9.
- Olefins with other polymerizable organic compounds, Polymerizing. W. E. Hanford. 2,396,785; Mar. 19.
- Oleoresin acids, Treatment of primary. R. F. B. Cox. 2,409,930; Oct. 22.
- Oleoresin, Refining. R. V. Lawrence. 2,411,925; Dec. 3.
- Oleoresin, Refining crude. R. V. Lawrence. 2,395,190; Feb. 19.
- Oleo-resinous coating composition and preparing same. H. J. Wolfe. 2,397,179; Mar. 26.
- Oleoresins, Handling crude. McG. Cline. 2,400,040; May 7.
- Oleoresins, Refining of pyrethrum. W. E. Kuhn. 2,413,107; Dec. 24.
- Oleum, Manufacture of. B. M. Carter. 2,394,426; Feb. 5.
- Omega-alkoxyalkyl ethers of diphenylamine. R. F. Parker and J. M. Smith. 2,393,930; Jan. 29.
- 1-alkyl-8-methyl hexahydroindanone-4, Synthesis of. N. A. Milas. 2,407,672; Sept. 17.
- 1-bromo-2-methylanthraquinone, Preparation of. J. Deinet and H. B. Gottlieb. 2,396,989; Mar. 19.
- 1,5-bis(1-amino-3,5-dioxacyclohexyl) 2,4 dioxapentane. M. Senkus. 2,413,250; Dec. 24.
- 1,5-bis-(1-nitro-3,5-dioxacyclohexyl)-2,4 dioxapentane. M. Senkus. 2,413,249; Dec. 24.
- 1-hydroxyphenol-3-aminobutane and their production, Derivatives of. F. Kulz. 2,407,167; Sept. 3.
- 1-Hydroxy-3-amino-3-methyl butane. F. J. Soday. 2,393,483; Jan. 22.
- 1-keto-8-methylhexahydroindanol-1, Synthesis of. N. A. Milas. 2,407,673; Sept. 17.
- 1-methoxycyclohexyl-cyclohexyl-carbinol. J. E. Bludworth and D. P. Easter. 2,410,007; Oct. 29.
- 1,1-dichloro-1-nitroalkanes, Production of. J. B. Tindall. 2,397,384; Mar. 26.
- 1-substituted-2,5-diketeto-7-methylpyrimidopyrazoles as couplers for color photography. A. Bavley. 2,403,329; July 2.
- 1,3-butadienes, Synthetic rubberlike materials comprising. F. W. Johnson. 2,402,819; June 25.
- 1,3-dichloro-5-methyl-5-isobutyl hydantoin and preparation. A. O. Rogers. 2,395,598; Apr. 16.
- 1,3-diketones, Preparation of. B. Boese, Jr., and F. G. Young, Jr. 2,395,800; Mar. 5.
- 1,3,5-triazinyl-(6)-amino-phenyl-arsenic compounds, Substituted. E. A. H. Friedhelm. 2,400,547; May 21.
- 1,3,7-Triazacycloheptane (3,3,0) octanes. M. Senkus. 2,393,826; Jan. 29.
- 1,2,4-oxadiazoles, Preparation of. D. W. Kaiser. 2,403,723; July 9.
- One-way brake. H. H. Trail. 2,392,013; Jan. 1.
- One-way clutch and bearing. C. E. Swenson and A. Y. Dodge. 2,408,962; Oct. 8.
- One-way rotary clutch. J. Lund. 2,399,749; May 7.
- Onion sorting machine. D. E. Cirulli. 2,396,553; Mar. 19.
- Open end ratchet wrench. H. G. Anderson. 2,401,128; May 28.
- Open-faced air, Filter frame. V. Dahlman. 2,405,293; Aug. 6.
- Open-hearth furnace. E. R. Drzewiecki. 2,402,152; June 18.

- Opener, Can. S. Bloomfield. 2,412,945; Dec. 24.
Opener, Can. P. T. Simmons. 2,403,959; July 16.
Opener, Can. T. Starrett. 2,396,806; Mar. 19.
Opener for liquid containers. H. Singer. 2,411,344; Nov. 19.
Opener, Pocket type can. J. W. Speaker. 2,413,528; Dec. 31.
Opener, Refrigerator door. C. Hoffman. 2,405,887; Aug. 13.
Opener, Rotary type can. R. E. McLean. 2,411,449; Nov. 19.
Opening and filling apparatus, Bag. M. J. Harrington and S. E. Hammer. 2,409,628; Oct. 22.
Opening device, Envelope. F. A. Kelsall. 2,406,610; Aug. 27.
Opening device, Vial. J. J. Ramsey. 2,410,901; Nov. 12.
Operating device, Surgical. J. A. Reyniers. 2,403,400; July 2.
Operating means, Aircraft ramp. G. Elwert. 2,405,878; Aug. 13.
Operating mechanism. C. E. Freese. 2,409,032; Oct. 8.
Operating mechanism. J. Oakley. 2,395,789; Feb. 26.
Operating mechanism. A. R. Sanborn. 2,392,700; Jan. 8.
Operating mechanism, Coupler. J. S. Swann. 2,409,322; Oct. 15.
Operating mechanism for dump trucks, Tail gate. J. D. Burns. 2,410,046; Oct. 29.
Operating mechanism for electrical switches. A. M. Troegner. 2,410,253; Oct. 29.
Operating mechanism, Furnace door. W. B. Levy. 2,394,922; Feb. 12.
Operating mechanism, Multiple accessory. V. J. Plotkin. 2,403,102; July 2.
Operating mechanism, Reversible. E. Katzberg. 2,403,802; July 9.
Operating mechanism, Tap. S. E. Damsel. 2,406,204; Aug. 20.
Operation of internal-combustion engines. C. O. Davis. 2,393,594; Jan. 29.
Operator, Door. G. E. Dath. 2,402,241; June 18.
Operator, Bridge lock. J. E. Malcom. 2,402,827; June 25.
Ophthalmic device. D. P. Cooper, Jr. 2,397,243; Mar. 26.
Ophthalmic lens blank, Multifocal. J. H. Hammon. 2,405,826; Aug. 13.
Ophthalmic lenses, Producing. H. G. Orsey and J. P. Crowley. 2,394,934; Feb. 12.
Ophthalmic mounting. S. E. Bouchard. 2,410,704; Nov. 5.
Ophthalmic mounting. J. E. Dunham. 2,398,137; Apr. 9.
Ophthalmic mounting. E. M. Splaine. 2,392,413; Jan. 8.
Ophthalmic test device. W. H. Glazer. 2,410,729; Nov. 5.
Opposed piston two-cycle engine. H. Vonrütt. 2,398,980; Apr. 23.
Opposite-twist woven fabric and method. R. C. Whitman. 2,400,276; May 14.
Optical apparatus. R. T. Hurley and G. E. Merritt. 2,397,009; Mar. 19.
Optical comparator. L. B. and R. H. Portman and F. J. Acton. 2,391,999; Jan. 1.
Optical device and method and manufacture thereof. J. F. Dreyer. 2,400,877; May 28.
Optical device for checking the alignment of the geometrical axes of two mechanical parts. F. Turretini. 2,402,856; June 25.
Optical devices, Making. G. E. Guellich. 2,399,799; May 7.
Optical elements, Coating. D. A. Lyon. 2,398,382; Apr. 16.
Optical elements, Making. D. O. Hendrix. 2,398,708; Apr. 16.
Optical instrument. O. W. Boughton, R. B. Horsfall, Jr., and W. T. Perkins. 2,399,909; May 7.
Optical instrument. H. F. Kurtz and R. G. Morrison. 2,409,364; Oct. 15.
Optical instrument. W. F. Peck. 2,395,577; Feb. 26.
Optical instrument. B. J. Wolfe. 2,399,971; May 7.
Optical means for inspection. R. F. Borkenstein. 2,406,451; Aug. 27.
Optical measuring instrument, Range finder height finder, and the like. J. M. Strang. 2,394,340; Feb. 5.
Optical measuring instruments, Range finder, height finder and like. J. M. Strang. 2,394,880; Feb. 12.
Optical objective. A. Cox. 2,399,853; May 7.
Optical objective. A. Warmisham. 2,398,680; Apr. 16.
Optical objective. A. Warmisham and C. G. Wynne. 2,397,714; Apr. 2.
Optical objective. A. Warmisham and C. G. Wynne. 2,413,476; Dec. 31.
Optical objects and the like, Method and apparatus for shaping. V. Walker. 2,359,700; Feb. 26.
Optical prisms, Method and apparatus for grinding and polishing. J. R. Turner and R. C. Byers. 2,394,645; Feb. 12.
Optical quartz crystal testing apparatus. B. J. Babbitt. 2,410,621; Nov. 5.
Optical scanning device and making articles therewith. A. H. Bennett and E. D. Tillyer. 2,404,770; July 30.
Optical system. A. H. Bennett. 2,407,219; Sept. 10.
Optical system. D. S. Grey. 2,405,301; Aug. 6.
Optical system. D. S. Grey. 2,406,762; Sept. 3.
Optical system. J. A. Maurer, Jr. 2,397,027; Mar. 19.
Optical system. C. G. Wynne. 2,394,359; Feb. 12.
Optical system for cameras. R. Hayward. 2,403,660; July 9.
Optical system, Stereoscopic. P. and M. N. Mainardi. 2,403,733; July 9.
Optical thickness gauge. W. R. Holman. 2,410,942; Nov. 12.
Optically active forms of pantothenic acid, Manufacture of. R. Kuhn and T. Wieland. 2,407,560; Sept. 10.
Orchard or like heater. C. E. Wallis. 2,398,168; Apr. 9.
Order check device. R. R. Jones. 2,399,038; Apr. 23.
Ordinance. C. F. Carlzen. 2,401,909; June 11.
Ordinance. L. F. Maurer and J. C. Trotter. 2,394,462; Feb. 5.
Ordinance. W. W. Mount. 2,399,136; Apr. 23.
Ordinance. F. I. Rataiczak. 2,411,979; Dec. 3.
Ordinance. F. F. Kuau. 2,402,351; June 25.
Ordinance. G. H. Schultz. 2,395,585; Feb. 26.
Ordinance. J. C. Trotter. 2,396,136; Mar. 5.
Ordinance. J. C. Trotter. 2,397,449; Mar. 26.
Ordinance. J. C. Trotter, L. W. Holland, and G. E. Schultz. 2,401,989; June 11.
Ordinance data correcting apparatus. W. L. Abel. 2,411,511; Nov. 26.
Ordinance powder bag. W. E. Mydans. 2,405,104; July 30.
Ore Concentrating iron. J. B. Clemmer and C. Rampacek. 2,403,481; July 9.
Ore concentrating table. E. R. McPheters. 2,408,797; Oct. 8.
Ore concentration. H. S. Woodward and W. A. Bates. 2,393,093; Jan. 15.
Ores, Beneficiation of beryllium. H. L. Gibbs and H. D. Snedden. 2,395,475; Feb. 26.
Ores, Beneficiation of iron. R. B. Booth and E. C. Herkenhoff. 2,410,376-7; Oct. 29.
Ores by the steam and blast process, Separation of. O. E. Harder and A. E. Pavlish. 2,393,180; Jan. 15.
Ores, Concentration of. K. F. Schilling. 2,400,213; May 14.
Ores containing cobalt and nickel, Treatment of. C. F. Allen and D. M. Kentro. 2,399,845; May 7.
Ores for alkaline roast, Preparation of. C. G. Maier. 2,394,793; Feb. 12.
Ores, Magnetic separation and settling for serpentine. R. C. Hills. 2,400,461; May 14.
Ores, Reducing iron. T. F. Bailly. 2,395,029; Feb. 19.
Organ, Electronic. M. J. Larsen. 2,403,090; July 2.
Organic bases, Separation of. K. H. Engel. 2,408,975; Oct. 8.
Organic cementing solutions. E. H. McArdle and A. E. Robertson. 2,399,553; Apr. 30.
Organic compounds and preparing same. D. J. Potter. 2,412,909; Dec. 17.
Organic compounds, Controlled oxidation of branched chain. W. E. Vaughan and F. F. Rust. 2,395,523; Feb. 26.
Organic compounds, Halogenation of unsaturated. G. W. Hearne. 2,399,468; Apr. 30.
Organic compounds in the presence of sulphur-containing monomers polymerization. Polymerization of unsaturated. C. F. Fryling. 2,396,997; Mar. 19.
Organic compounds, Oxidation of. I. Bergsteinsson, J. R. Schellbi, and F. H. Dickey. 2,398,612; Apr. 16.
Organic compounds, Process and apparatus for the pyrolysis of. D. C. Hull. 2,393,778; Jan. 29.
Organic compounds, Production of. N. Short. 2,408,889; Oct. 8.
Organic compounds, Unsaturated. M. S. Kharasch. 2,404,235; July 16.
Organic detergent compositions. R. P. McGhie. 2,394,320; Feb. 5.
Organic diisocyanates, Preparation of. J. B. Dickey, J. M. Straley, and T. E. Stanin. 2,394,597; Feb. 12.
Organic fibrous material and composition therefor, Flameproof. O. C. Bacon. 2,413,163; Dec. 24.
Organic fluorine, Removal. M. P. Matuszak. 2,409,372; Oct. 15.
Organic mercury compounds, Solutions of. F. J. Sowa. 2,411,815; Nov. 26.
Organic phosphorus and nitrogen containing compounds. W. H. Woodstock. 2,406,423; Aug. 27.
Organic plastic materials, Die unit for extruding shapes of. R. S. Jesionowski. 2,405,039; July 30.
Organic polybasic acid polyesters of hydroxydihydromorpolytercypentadienes. H. A. Bruson. 2,410,425; Nov. 5.
Organic polysulphide plastic compositions. E. S. Blake. 2,398,998; Apr. 23.
Organic radicals into quinones, Introduction of. L. F. Fieser. 2,398,418; Apr. 16.
Organic solutions of formaldehyde-urea reactions products, Treatment of. J. A. Murray and G. H. Metzger. 2,404,740; July 23.
Organic solvent-soluble unsaturated carbohydrate ethers and products produced thereby, Preparation of. R. M. Hamilton and P. L. Nichols, Jr. 2,406,369; Aug. 27.
Organic substances, Stabilization of. R. G. Clarkson. 2,396,156; Mar. 5.
Organic sulphur compounds, Preparation of. W. E. Vaughan and F. F. Rust. 2,398,479; Apr. 16.
Organic thioacylo compounds. P. H. Williams. 2,409,329; Oct. 15.

- Organisms, Control of slime. W. W. Allen. 2,400,677; May 21.
- Organo-polysiloxanes, Preparing. R. O. Sauer. 2,398,672; Apr. 16.
- Organo-silicon compounds containing a C-Si bond. G. A. Dallin. 2,405,019; July 30.
- Organo-silicon esters and materials treated therewith. A. J. Barry. 2,405,988; Aug. 20.
- Organo-siloxanes, and making them. W. H. Daudt. 2,397,727; Apr. 2.
- Organo-siloxanes, and preparing them. E. L. Warrick. 2,397,895; Apr. 2.
- Orientation, Article. G. W. Ashlock, Jr. 2,406,311; Aug. 27.
- Oriented halogen-containing polymers, Treatment of. K. L. Berry and J. W. Hill. 2,405,008; July 30.
- Orienting apparatus. C. H. Schadel. 2,405,717; Aug. 13.
- Orienting device. J. C. Luley. 2,394,622; Feb. 12.
- Orienting mechanism for pulse echo systems. G. W. Leck. 2,410,666; Nov. 5.
- Orifice plate carrier. P. P. Daniel. 2,407,951; Sept. 17.
- Ornament for ears. H. S. Williams. 2,410,914; Nov. 12.
- Ornament, Lady's hair. S. Behr. 2,407,593; Sept. 10.
- Ornament, Light reflecting. M. C. Meyer. 2,395,492; Feb. 26.
- Ornamental articles, Making. E. Karfiol and W. A. Roehm. 2,404,073; July 16.
- Ornamental enclosure, Miniature. H. N. Casey. 2,394,748; Feb. 12.
- Ornamental hair curler cover. J. R. W. Torrens. 2,409,081; Oct. 8.
- Ornamental skate wheel. C. M. Bierman. 2,392,634; Jan. 8.
- Orthodontic appliance. J. D. Berke. 2,406,527; Aug. 27.
- Orthopedic appliance. W. J. Boos. 2,400,680; May 21.
- Ortho-substituted ring compounds, Two-stage distillation of. D. B. Luten, Jr., and A. De Benedictis. 2,409,773; Oct. 22.
- Oscillating circuit. F. J. Altman. 2,402,270; June 18.
- Oscillating disk meter. A. R. Whittaker. 2,406,877; Sept. 3.
- Oscillating welding rod. J. E. Johnson. 2,407,746; Sept. 17.
- Oscillation generation. H. L. Morrison. 2,398,502; Apr. 16.
- Oscillation generator. M. Artzt. 2,396,224; Mar. 12.
- Oscillation generator. H. T. Fris and V. C. Rideout. 2,406,364; Aug. 27.
- Oscillation generator. W. W. Fritschl. 2,409,620; Oct. 22.
- Oscillation generator. W. E. Kock. 2,400,309; May 14.
- Oscillation generator. G. Usselman and C. W. Hansell. 2,411,765; Nov. 26.
- Oscillator. B. J. Lazan. 2,410,170; Oct. 29.
- Oscillator. A. L. Samuel. 2,409,224; Oct. 15.
- Oscillator. E. E. Turner, Jr. 2,410,112-13; Oct. 29.
- Oscillator and frequency modulator. M. G. Crosby. 2,402,143; June 18.
- Oscillator and oscillator controlled relay circuit, Electric. T. A. Cohen. 2,411,247; Nov. 19.
- Oscillator, Beat. I. E. Mouroumteff and G. M. Dinick. 2,411,289; Nov. 19.
- Oscillator circuit. O. E. Dow. 2,397,411; Mar. 26.
- Oscillator circuit. C. W. Hansell. 2,399,114; Apr. 23.
- Oscillator circuits. W. R. Koch. 2,395,746; Feb. 26.
- Oscillator, Concentric line. A. H. Turner. 2,408,355; Sept. 24.
- Oscillator-detector, Electronic. W. W. Hansen and S. F. and R. H. Varian. 2,406,370; Aug. 27.
- Oscillator, Double pulse. H. Lifschutz. 2,402,169; June 18.
- Oscillator, High-frequency triode. D. H. Sloan. 2,411,299; Nov. 19.
- Oscillator, Impulse. E. Labin. 2,405,217; Aug. 6.
- Oscillator, Low impedance. T. L. Wilson. 2,411,565; Nov. 26.
- Oscillator, Magnetostriction. L. Batchelder. 2,407,243; Sept. 10.
- Oscillator, Magnetostrictive. H. F. Rost and P. H. E. Claesson. 2,398,117; Apr. 9.
- Oscillator, Magnetostriction. E. E. Turner, Jr. 2,411,911; Dec. 3.
- Oscillator, Mechanically tuned. F. Rieber. 2,412,536; Dec. 10.
- Oscillator, Piezoelectric. H. Benloff. 2,406,793; Sept. 3.
- Oscillator, Synchronized blocking. L. E. Matson, Jr. 2,409,577; Oct. 15.
- Oscillator, Ultra high frequency. A. E. Anderson and A. L. Samuel. 2,405,175; Aug. 6.
- Oscillator, Ultra high frequency. H. J. McCarthy. 2,413,364; Dec. 31.
- Oscillator, Ultra high frequency. I. E. Mouroumteff and G. M. Dinick. 2,396,802; Mar. 19.
- Oscillator, Ultra short wave. C. W. Hansell. 2,402,397; June 18.
- Oscillator, Vacuum tube. C. A. Shank and C. M. Rifenbergh. 2,394,018; Feb. 5.
- Oscillators of high frequency, Generators of electrical. M. R. Garin. 2,394,908; Feb. 12.
- Oscillators, Pressure mounted quartz. L. R. Morse. 2,392,993; Jan. 15.
- Oscillators, Tuning electrical. N. R. Bligh, D. M. Heller, L. C. Stenning, and A. A. Chubb. 2,401,604; June 4.
- Oscillatory system and apparatus, Electrical. W. P. Mueller and N. L. Kiser. 2,405,229; Aug. 6.
- Oscillograph. A. E. Moulin, Jr., and P. W. Orchard, Jr. 2,404,733; July 23.
- Oscillograph galvanometer. Claude M. Hathaway. Re. 22,759; May 21.
- Outdoor switch box. C. Opalek. 2,410,519; Nov. 5.
- Outlet for children, Molding. E. E. Silverman, M. Greene, and S. Greenspan. 2,395,559; Feb. 26.
- Outlet, Air distribution. W. W. Kennedy. 2,407,284; Sept. 10.
- Outlet arrangement. H. Seid. 2,396,025; Mar. 5.
- Outlet box support. E. Lindstrom. 2,399,491; Apr. 30.
- Outlet, Curb. J. B. Francis. 2,397,655; Apr. 2.
- Outlet device for ventilating apparatus, Air. F. Honerkamp. 2,398,938; Apr. 23.
- Outlet, Electrical convenience. U. C. Walk. 2,399,408; Apr. 30.
- Oven, Air-conditioned electric cooking. H. E. Mills. 2,408,331; Sept. 24.
- Oven, Baking. J. V. Cook. 2,397,726; Apr. 2.
- Oven control, Drying. O. O. Kruse. 2,412,990; Dec. 24.
- Oven, Drying. C. W. Attwood. 2,405,631; Aug. 13.
- Oven, Drying. W. Bald. 2,395,834; Mar. 5.
- Oven, Gas range. G. Herbst. 2,410,285; Oct. 29.
- Oven, Salt and sugar. C. H. Horn. 2,398,939; Apr. 23.
- Oven vent construction. E. D. Pellegrin and J. F. Hennessy. 2,396,122; Mar. 5.
- Oven, Warming. A. Luxem. 2,395,788; Feb. 26.
- Oven without sloe channels, Underfired regenerative coke. F. Wethly. 2,412,484; Dec. 10.
- Overhead door construction. A. V. Rowe. 2,412,910; Dec. 17.
- Overhead door locking mechanism. C. Buehner. 2,393,287; Jan. 22.
- Overload clutch. C. B. Spase. 2,411,600; Nov. 26.
- Overload clutch. G. A. Waller. 2,401,992; June 11.
- Overload release coupling. S. C. Gebert. 2,406,142; Aug. 20.
- Overload release means. A. L. Kronquest. 2,412,157; Dec. 3.
- Overpowered release clutch. A. Y. Dodge. 2,398,087; Apr. 9.
- Overshot. N. T. Breaux. 2,410,262; Oct. 29.
- Oxazolines, Preparation of. D. J. Loder. 2,402,198; June 18.
- Oxazolines, Reaction product of. H. L. Wampner. 2,402,791; June 25.
- Oxidant, Low-freezing. W. E. Lawson. 2,403,932; July 16.
- Oxidation process. C. Dreyfus. 2,392,316; Jan. 8.
- Oxidation, Process for. A. Farkas and A. F. Stribley, Jr. 2,410,642; Nov. 5.
- Oxide coating on aluminum surfaces, Removing. M. A. Miller and W. E. White. 2,399,134; Apr. 23.
- Oxide from the surface of metals, Removing. H. R. Spence and H. W. Hooker. 2,395,694; Feb. 26.
- Oxide, Stabilized cuprous. H. J. Becker. 2,409,413; Oct. 15.
- Oxidizing foam solution and using the same. H. E. Martin and L. G. M. Timpon. 2,392,936; Jan. 15.
- Oxides, Production of unsaturated. J. A. Crowder, M. A. Kisse, and G. A. Nesby. 2,394,430; Feb. 5.
- Oxydation of acrolein to acrylic acid. K. H. W. Tuereck. 2,397,891; Apr. 2.
- Oxygen and air controlling apparatus for aviators. P. E. Meldenbauer, Jr., and H. A. Benzel. 2,396,716; Mar. 19.
- Oxygen cutting torches, Improving the operation of. P. L. Betz. 2,399,979; May 7.
- Oxygen demand regulator. L. A. Wiggins. 2,409,327; Oct. 15.
- Oxygen liberating composition, Preparing. D. A. Felgley, Jr. 2,405,566; Aug. 13.
- Oxygen, Method and apparatus for obtaining purified liquid. W. Dennis. 2,406,003; Aug. 20.
- Oxyphenyl-amino-propane and its derivatives, Preparation of. F. Kütz. 2,396,808; Mar. 12.
- Ozonizer. D. K. Allison. 2,405,728; Aug. 13.
- P-amino-benzene-sulphamide derivatives. W. Hentrich and E. Schlrm. 2,408,066; Sept. 24.
- P-phenylene diamines, Producing. I. F. Salminen and A. Weisberger. 2,407,207; Sept. 3.
- Pack board. A. J. Goerg. 2,394,300; Feb. 5.
- Pack, Parachute. G. H. Arenstein. 2,402,143; June 18.
- Pack, Parachute. J. R. Quilter and J. Gregory. 2,396,120; Mar. 5.
- Package. R. Kernahan. 2,407,787; Sept. 17.
- Package. A. B. Clunan. 2,400,390; May 14.
- Package. C. E. Gardner. 2,396,555; Mar. 12.
- Package. M. Kleinmann. 2,409,362; Oct. 15.
- Package. E. W. Quackenbush. 2,392,062; Jan. 1.
- Package and closure. W. P. White. 2,412,794; Dec. 17.
- Package, Bandage. G. D. Beal and C. Y. Emery. 2,402,981; July 2.
- Package, Bandage. C. Stenbergen. 2,402,982; July 2.
- Package, Bile. J. Muros. 2,408,222; Sept. 24.
- Package, Blasting cap. R. G. Mercer and D. M. Taylor. 2,393,221; Jan. 15.
- Package, Dispensing. J. S. Graziano. 2,407,415; Sept. 10.
- Package, Explosive. E. S. Bellinger. 2,393,278; Jan. 22.
- Package, Fluid-tight. H. F. Waters. 2,409,998; Oct. 22.
- Package for tablets, Display and dispensing. A. G. Sherman. 2,411,471; Nov. 19.

- Package, Match. F. P. Macomber. 2,392,991; Jan. 15.
 Package, Match. H. B. Watkins. 2,406,865; Aug. 13.
 Package, Stationery. E. von Hartmann. 2,413,474; Dec. 31.
 Package tie. J. S. Cushman. 2,392,648; Jan. 8.
 Package, Window glass. E. B. Kincaid. 2,392,927; Jan. 15.
 Package, Yarn. A. Lodge. 2,395,891; Mar. 5.
 Packages, Making leakproof. R. Guyer. 2,402,548; June 25.
 Packaging. E. E. Eldredge. 2,408,616; Oct. 1.
 Packaging. H. F. Waters. 2,412,546; Dec. 10.
 Packaging apparatus. F. D. Palmer. 2,394,936; Feb. 12.
 Packaging device. J. W. Grodin. 2,400,197; May 14.
 Packaging machines, Wrapper sealing mechanism for. C. Arelt. 2,402,231; June 18.
 Packaging polymers, Surface coating for. H. H. Bannon and H. N. Mims. 2,403,964; July 16.
 Packer, Control head. R. G. Taylor, Jr., and D. B. Hooser. 2,409,812; Oct. 22.
 Packer, Well. P. J. Lehnhard. 2,399,125; Apr. 23.
 Packing. V. G. Klein. 2,398,560; Apr. 30.
 Packing and making the same. M. K. Cumming and W. Van Tine. 2,398,210; Apr. 9.
 Packing box and trays. P. D. Friday. 2,393,099; Jan. 15.
 Packing case. A. P. D. Belanger. 2,392,630; Jan. 8.
 Packing cheese and the like, Moistureproof wrapper for. T. Cowen. 2,402,605; June 25.
 Packing for collapsible tubes. H. R. Kohlhepp. 2,398,536; Apr. 18.
 Packing for cylindrical parts. W. Kilchenmann. 2,405,152; Aug. 6.
 Packing for pipe joints. F. W. Boyle. 2,402,868; June 25.
 Packing for vapor and liquid contacting apparatus. F. L. Melville. 2,405,593; Aug. 13.
 Packing, Making. J. F. Flechter. 2,404,952; July 30.
 Packing material. W. J. De Reamer. 2,401,141; May 28.
 Packing material. C. T. O'Connor. 2,397,618; Apr. 2.
 Packing, Mold or container. W. G. Schutt. 2,397,695; Apr. 2.
 Packing, Piston. D. M. Smith. 2,402,783; June 25.
 Packing, Plastic. H. E. Ballard. 2,403,166; July 2.
 Packing rings, Making. A. Sandow and A. A. Wenzel. 2,404,864; July 30.
 Packing rings, Tool to compress. W. A. Bowman and H. L. Baker. 2,401,043; May 28.
 Packing, Stuffing box. R. E. Morgan and P. N. Curry. 2,395,935; Mar. 5.
 Packings, Making ring type. M. R. Buflington. 2,400,533; May 21.
 Pad: See—
 Filter pad. Vibration-absorbing pad.
 Heating pad. Warming pad.
 Removable shoulder pad. Wash box pad.
 Shoulder pad. Writing pad.
 Suction pad.
 Pad. M. Felick. 2,392,136; Jan. 1.
 Pad for garments, Shoulder. S. Gillman. 2,399,731; May 7.
 Pad for garments, Shoulder. B. Mechur. 2,410,986; Nov. 14.
 Pad for polishing machines, Rubbing. S. A. Crosby. 2,393,089; Jan. 15.
 Pad for sports shirts and jackets, Removable. C. Solomon. 2,413,526; Dec. 31.
 Paddle. C. D. Dosker. 2,399,106; Apr. 23.
 Paddle, Mixing. F. H. Valiton. 2,396,903; Mar. 19.
 Padlock. H. B. Dutton. 2,407,406; Sept. 10.
 Padlock. R. K. and R. L. Gray. 2,408,137; Sept. 24.
 Padlock. A. Robert. 2,395,762; Feb. 26.
 Pads for shirts, Removable shoulder. C. Solomon. 2,413,527; Dec. 31.
 Pads, Machine for manufacturing hair. A. M. and R. W. Smith and A. H. Zeigler. 2,398,163; Apr. 9.
 Page turning device for invalids. T. C. Dermers. 2,411,084; Nov. 12.
 Paint. P. Zurcher. 2,402,864; June 25.
 Paint. P. Zurcher. 2,403,423; July 2.
 Paint, Albino asphalt emulsion. H. J. Sommer. 2,393,573; Jan. 22.
 Paint, albino asphalt emulsion. H. J. Sommer. 2,393,574; Jan. 22.
 Paint and varnish remover. J. D. Morgan and R. E. Lowe. 2,398,242; Apr. 9.
 Paint and varnish removers. J. D. Morgan and R. E. Lowe. 2,393,793; Jan. 29.
 Paint and varnish, Removing. R. E. Sadtler. 2,392,699; Jan. 8.
 Paint, Anticorrosive. N. J. Read. 2,406,307; Aug. 20.
 Paint, Aqueous emulsion. M. T. Schmidt. 2,404,463; July 23.
 Paint bucket ladder bracket. J. C. Dodd. 2,412,567; Dec. 17.
 Paint composition. H. N. Cophorne. 2,411,192; Nov. 19.
 Paint composition, Bituminous. W. F. Fair, Jr. 2,395,853; Mar. 5.
 Paint in storage, Preserving. H. B. Kellogg and H. C. Reynolds, Jr. 2,396,050; Mar. 5.
 Painting machine. H. L. Lewis. 2,401,431; June 4.
 Paints, plastic, and the like, Making. W. Zaissner. 2,396,910; Mar. 19.
 Palatable material, Making. C. A. Reed. 2,409,067; Oct. 8.
 Palette or the like, Artist's. W. A. and I. M. Stillman. 2,402,850; June 25.
 Pallet. B. Ulinski. 2,412,184; Dec. 3.
 Pallet. C. White. 2,395,982; Mar. 5.
 Pallet, Adjustable. Le R. Weiss. 2,405,535; Aug. 6.
 Pallet and wear lug therefor. W. J. Urban. 2,401,204; May 28.
 Pallets to industrial trucks, Method of and apparatus for transferring loads from loaded. A. K. Golrick. 2,394,693; Feb. 12.
 Pan, Dust. A. Benskin. 2,399,850; May 7.
 Pan, Flexible load. D. Bailey. 2,410,561; Nov. 5.
 Pan for egg opening machines, Removable conveyor. L. M. Sigler and J. C. Gill. 2,397,693; Apr. 2.
 Pan, Loading. P. F. Toohy. 2,409,964; Oct. 22.
 Pan, Multiple baking. A. L. Langel. 2,407,021; Sept. 3.
 Pan, Refrigerator car drip. C. R. Hamilton, J. King, and J. D. Baker. 2,409,273; Oct. 15.
 Pan, Self-dumping. G. Smith. 2,410,754; Nov. 5.
 Panel and sealing means, Filter. O. H. Schaaf. 2,394,208; Feb. 5.
 Panel, Composite. P. Van Cleef. 2,393,843; Jan. 29.
 Panel, Emergency escape. M. E. Pelaez. 2,392,874; Jan. 8.
 Panel, Filter. O. H. Schaaf. 2,405,716; Aug. 13.
 Panel, Locomotive control. D. R. Staples. 2,410,250; Oct. 29.
 Panel, Lumber core. L. L. Schaffer and J. Huberman. 2,396,438; Mar. 12.
 Panel or unit for buildings and building constructed therefrom. B. Brunton and R. G. Booth. 2,394,147; Feb. 5.
 Panel, Plastic framed laminated. E. Winer. 2,402,717; Jan. 15.
 Panel, Wall. M. I. Diggs. 2,412,253; Dec. 10.
 Paneling structure. N. A. Del Tufo. 2,395,726; Feb. 26.
 Panels for use in buildings, Construction of. B. Brunton and R. G. Booth. 2,394,146; Feb. 5.
 Pantograph. S. Feld. 2,411,718; Nov. 26.
 Pantograph device. A. G. Ochsner. 2,402,438; June 18.
 Pants, Baby. L. H. Rand. 2,397,751; Apr. 2.
 Pants pocket construction. T. Koppelman. 2,412,622; Dec. 17.
 Panty brief. D. Blair. 2,397,641; Apr. 2.
 Paper and making same, Coated. C. P. Foote, Jr., and C. D. Guertin. 2,402,542; June 25.
 Paper bag. M. Katz. 2,400,759; May 21.
 Paperboard coin box. C. F. Klein. 2,409,047; Oct. 8.
 Paperboard drum. R. H. Van Saun. 2,392,959; Jan. 15.
 Paperboard package with liquid-tight liner and making same, Crushproof reinforced. H. F. Waters. 2,412,547; Dec. 10.
 Paper, Coated. La V. E. Cheyney. 2,392,972; Jan. 15.
 Paper, Coating. H. V. Dunham. 2,398,989; Dec. 3.
 Paper, Coating. G. D. Muggleton and A. F. Piepenberg. 2,398,844; Apr. 23.
 Paper, Conductive. B. L. Kline and C. E. Mobius. 2,400,544; May 21.
 Paper cutter. C. W. Willits. 2,399,529; Apr. 30.
 Paper, Deffbering of wet strength. W. M. Thomas. 2,394,273; Feb. 5.
 Paperhanger's tool. J. F. Frantz. 2,402,994; July 2.
 Paper machine headbox. P. H. Gormsith. 2,393,244; Jan. 22.
 Paper machine sectional drive. L. Hornbostel. 2,392,149; Jan. 1.
 Papermaking apparatus. F. A. Dieckbrader. 2,411,416; Nov. 19.
 Papermaking, Bleaching and loading of. H. Freeman. 2,398,420; Apr. 15.
 Papermaking machine. E. E. Berry. 2,396,696; Mar. 19.
 Paper making machine. B. A. Malkin. 2,402,063; June 11.
 Papermaking machine, Cylinder type. J. E. Goodwillie and E. E. Berry. 2,396,694; Mar. 19.
 Papermaking machine press section. E. W. Clem. 2,404,946; July 30.
 Paper making machine suction device. E. W. Clem. 2,395,533; Feb. 26.
 Papermaking machinery. A. I. Black. 2,401,603; June 4.
 Papermaking machinery. J. E. Goodwillie. 2,396,695; Mar. 19.
 Paper making, Sizing composition for use in. A. J. Luettgen. 2,399,748; May 7.
 Paper making stock, Method of and apparatus for producing a head in response to the consistency of. E. Polier. 2,403,827; July 9.
 Paper, Manufacture of reinforced asbestos. R. G. Quinn. 2,401,314; June 4.
 Paper, Mineral-coated printing. J. W. Clark. 2,395,992; Mar. 5.
 Paper on cylinder mold type paper machines, Making. P. H. Goldsmith. 2,412,771; Dec. 17.
 Paper or textile fabrics, Treatment of. W. Charlton. S. G. Jarrett, and E. E. Walker. 2,406,453-4; Aug. 27.
 Paper, Packaging, Sealed moistureproof. J. W. Lively. 2,406,301; Aug. 20.
 Paper product and making the same. K. W. Britt. 2,399,981-2; May 7.

- Paper products, Manufacture of deposited. L. Stevens. 2,411,068; Nov. 12.
- Paper roll holder. J. A. Poirier. 2,392,996; Jan. 15.
- Paper shipping carton having interlocking end closure, Heavy-duty. F. B. Buhrmaster. 2,410,148; Oct. 29.
- Paper stock, Refining. E. Cowles. 2,390,983; May 7.
- Paper support. A. A. Johnson. 2,393,471; Jan. 22.
- Paper, Treating water resistant. W. H. McDowell. 2,409,984; Oct. 22.
- Paper with thermoresponsive resins, Surface coating tissue. I. Gurwick. 2,407,549; Sept. 10.
- Papers, Coating. W. Barrett. 2,406,056; Aug. 20.
- Papers, Method and apparatus for producing designed. E. W. Samson. 2,403,461; July 9.
- Parachute. A. P. Atherton. 2,392,948; Jan. 8.
- Parachute. G. B. Brown. 2,411,868; Dec. 3.
- Parachute. G. Dreyfus. 2,394,295; Feb. 5.
- Parachute. T. Efstathiou. 2,396,092; Mar. 5.
- Parachute. W. S. Finken. 2,412,392; Dec. 10.
- Parachute. L. P. Frierder. 2,410,207; Oct. 29.
- Parachute. L. P. Frierder and W. S. Finken. 2,410,057; Oct. 29.
- Parachute. F. G. Manson and J. J. Maskey. 2,398,795; Apr. 23.
- Parachute. J. R. C. Quilter. 2,392,946; Jan. 15.
- Parachute. C. Rohulick. 2,404,659; July 23.
- Parachute, Combat. S. R. Horak and R. V. Tyrrell. 2,393,634; Jan. 29.
- Parachute construction, Stabilized. F. Smith. 2,392,270; Jan. 1.
- Parachute dummy. W. U. Hohwieler. 2,413,230; Dec. 24.
- Parachute folding device. R. I. Elam. 2,399,993; May 7.
- Parachute harness and quick release fastening means. W. Cunningham. 2,393,311; Jan. 22.
- Parachute, Invasion. R. V. Pence. 2,399,379; Apr. 30.
- Parachute, Low altitude. U. H. Carr. 2,399,100; Apr. 23.
- Parachute pack opening device. E. A. Neff. 2,413,368; Dec. 31.
- Parachute, Paper. D. B. Hastings. 2,409,562; Oct. 15.
- Parachute, Quick opening. F. Smith. 2,403,832; July 9.
- Parachute release device. C. W. Skinner. 2,393,072; Jan. 15.
- Parachute, Two-speed. H. W. Sheridan. 2,405,333; Aug. 6.
- Parachute, Vented. C. A. Volf. 2,404,672; July 23.
- Paraffin alkylation process. S. A. Ballard. 2,396,486; Mar. 12.
- Paraffin alkylation process. R. B. Thompson and J. A. Cheneck. 2,411,517; Nov. 26.
- Paraffin deposition, Control of. D. S. Kaufman. 2,394,189; Feb. 5.
- Paraffin hydrocarbons, Conversion of. P. L. Cramer and C. R. Begeman. 2,397,925; Apr. 9.
- Paraffin hydrocarbons, Isomerization of. B. S. Greensfelder. 2,393,041; Jan. 15.
- Paraffin isomerization process. C. O. Tongberg and H. J. Holt. 2,406,868; Sept. 3.
- Paraffin removal. H. B. Landrum and C. A. Husted. 2,411,044; Nov. 12.
- Paraffins, Isomerization of normally liquid. A. V. Grosse and H. Pines. 2,393,104; Jan. 15.
- Paraffins, Production of. M. P. Matuszak. 2,399,368; Apr. 30.
- Paraffins, Reconstruction of. F. E. Frey. 2,403,650; July 9.
- Para-nitroacetanilide, Production of. E. H. Bart. 2,406,578; Aug. 27.
- Parasiticide compositions. E. C. Britton, G. H. Coleman, and K. D. G. Clack. 2,396,983; Mar. 19.
- Parasiticide compositions. R. R. Dreisbach and F. W. Fletcher. 2,411,530; Nov. 26.
- Parasiticide compositions. F. W. Fletcher and E. E. Kenage. 2,410,284; Oct. 29.
- Parasiticide compositions. W. F. Hester and W. E. Craig. 2,413,627; Dec. 31.
- Parasiticide preparations. E. C. Ladd. 2,396,665; Mar. 19.
- Parasiticide preparations. E. C. Ladd. 2,397,423; Mar. 26.
- Parasiticide composition. O. H. Hammer. 2,403,435; July 9.
- Para-xylene, Isolation of. R. B. Greenburg. 2,398,526; Apr. 16.
- Parking meter mechanism. F. L. Michaels. 2,397,878; Apr. 2.
- Part for bolts or screw studs and its use, Drilling anchor. A. W. Golpeke. 2,406,536; Aug. 27.
- Particle apportioning device. M. Cohen and G. A. Jorgenson. 2,404,694; July 23.
- Partition appliance, Cattle stall. L. C. Russell. 2,408,533; Oct. 1.
- Partition machine, Cell case. O. Ullsmith. 2,398,872; Apr. 23.
- Partly line ringing system. G. Deakin. 2,411,525; Nov. 26.
- Passage plug. C. L. Martin. 2,409,294; Oct. 15.
- Paste and making same, Nonfusing aluminum. G. M. Babcock. 2,393,731; Jan. 29.
- Paste for sealing threaded joints and the like, Antiseizing. A. L. Parker. 2,393,929; Jan. 29.
- Paste, Spotting. L. Adler. 2,396,667; Mar. 19.
- Pastes, Stabilization of converted starch. S. N. Glarum and J. J. Thomas. 2,400,820; May 21.
- Pasting machine, Counter. C. M. Bagshaw. 2,404,345; July 23.
- Pasting machine, Counter. C. M. Bagshaw. 2,405,548; Aug. 13.
- Pasture. R. P. Jetschmann. 2,404,177; July 16.
- Patch for a fourdrinier wire, Preparing and applying a. J. A. Harris. 2,408,422; Oct. 1.
- Patches to woven-wire cloth, Applying. H. E. Brown and S. M. Grant. 2,397,646; Apr. 2.
- Patent and other straight bar knitting machine, Cotton's. J. E. Lyman. 2,410,668; Nov. 5.
- Pattern and casting therewith, Shell. A. Slatis. 2,408,005; Sept. 24.
- Pattern and forming breastforms. H. N. Perl. 2,411,388; Nov. 19.
- Pattern and preparing molds, Impermanent. E. F. Kohl. 2,400,831; May 21.
- Pattern, Dressmaker's. M. W. MacNab. 2,411,328; Nov. 19.
- Pattern having integral vent-forming members. R. J. Miller. 2,394,394; Feb. 5.
- Patterns, Forming multiple. R. J. Miller. 2,399,373; Apr. 30.
- Patterns, Making. H. J. Pattison. 2,396,195; Mar. 5.
- Pavement, etc., Precast unit. F. W. Abel. 2,396,808; Mar. 19.
- Paving machine. R. D. Baker. 2,393,954; Feb. 5.
- Pawls for machine guns, Belt-holding. C. G. Swellibus. 2,392,012; Jan. 1.
- Pay statement and envelope assembly. E. G. Overly. 2,413,649; Dec. 31.
- Payable system, Accounts. E. A. Tambert. 2,406,267; Aug. 20.
- Peak voltage indicator and regulator. H. C. Likel. 2,392,396; Jan. 8.
- Peanut butter and manufacturing the same. J. L. J. M., and M. Rosefield. 2,397,564; Apr. 2.
- Peanut protein, Recovering. G. W. Irving, Jr., A. L. Merrifield, R. S. Burnett, and E. D. Parker. 2,405,850; Aug. 13.
- Peat, Method of and apparatus for carbonizing. C. W. Pilo. 2,406,509; Aug. 27.
- Peas for treating same, Dried split. L. L. Werts. 2,400,144; May 14.
- Pectase, Preparing. H. T. Leo and C. C. Taylor. 2,406,840; Sept. 3.
- Pectous material and preparing same. H. T. Leo and C. C. Taylor. 2,392,854; Jan. 15.
- Pedal appliance, Forming. L. H. Sherman. 2,409,594; Oct. 15.
- Peeler, Potato. C. H. Dolan, II. 2,407,819; Sept. 17.
- Peeling device, Fruit. E. J. Rios y Marquez. 2,410,683; Nov. 5.
- Pegging and aligning means. J. Zalkind. 2,398,487; Apr. 16.
- Pellet for administering gonadotropic pituitary hormones. F. J. Saunders and A. L. Raymond. 2,413,419; Dec. 31.
- Pelorus. R. O. Burgess and E. C. Craig. 2,397,125; Mar. 26.
- Pelorus. W. H. Van Gaasebeek. 2,411,306; Nov. 19.
- Pen, Animal. I. Whitehouse, C. Schofield, and E. H. Cummines. 2,392,792; Jan. 8.
- Pen, Baby play. M. G. Stackhouse. 2,410,368; Oct. 29.
- Pen, Foldable play. J. R. Wright. 2,395,603; Feb. 26.
- Pen for children, Portable play. E. S. Swazey. 2,409,598; Oct. 15.
- Pen, Fountain. M. S. Baker. 2,403,039; July 2.
- Pen, Fountain. L. J. Biro. 2,400,679; May 21.
- Pen, Fountain. D. H. Brinson. 2,396,771; Mar. 19.
- Pen, Fountain. T. F. Brinson. 2,410,423; Nov. 5.
- Pen, Fountain. G. D. Cloutier. 2,398,521; Apr. 16.
- Pen, Fountain. A. E. Dietz. 2,394,235; Feb. 5.
- Pen, Fountain. J. Gregg. 2,409,847; Oct. 22.
- Pen, Fountain, E. Healy. 2,404,063; July 16.
- Pen, Fountain. D. Juels. 2,393,250; Jan. 22.
- Pen, Fountain. D. Juels. 2,396,919; Mar. 19.
- Pen, Fountain. J. J. Kelley. 2,405,958; Aug. 20.
- Pen, Fountain. J. J. Kelley. 2,409,869; Oct. 22.
- Pen, Fountain. T. Kovacs. 2,401,167; May 28.
- Pen, Fountain. D. F. Mohns. 2,400,768; May 21.
- Pen, Fountain. D. P. Moore. 2,398,548; Apr. 16.
- Pen, Fountain. G. C. Smith. 2,401,711; June 4.
- Pen, Leak-proof fountain. B. Grafton. 2,405,787; Aug. 13.
- Pen, Marking. W. J. De Groft. 2,392,840; Jan. 15.
- Pen, Marking. K. Rath. 2,396,058; Mar. 5.
- Pen, Retractable fountain. O. M. Johnson. 2,413,234; Dec. 24.
- Pencil. A. P. Shelly. 2,407,106; Sept. 3.
- Pencil holder. D. C. Feather. 2,398,583; Apr. 16.
- Pencil-like implement. G. D. Nelson. 2,411,975; Dec. 3.
- Pencil machine. C. R. Nichols, Jr. 2,405,367; Aug. 6.
- Pencil, Mechanical. H. S. Hasselquist. 2,412,265; Dec. 10.
- Pencil, Mechanical. B. D. Smith. 2,406,171; Aug. 20.
- Pencil, Multiple. Joseph De Mario. 2,392,757; May 21.
- Pencil sharpener. J. A. Jackson. 2,394,387; Feb. 5.
- Pencil, Sharpening rule. R. C. Magee. 2,412,820; Dec. 17.
- Pencil, Trick. S. S. Adams. 2,396,405; Mar. 12.
- Pendant suspension. C. E. Fyfe. 2,402,956; July 2.

- Pendulum, Long period. G. G. Scott. 2,407,580; Sept. 10.
- Penicillin from aqueous solutions, Isolation of. J. L. Wachtel. 2,399,340; May 7.
- Pentadiene, Purifying. F. J. Soday. 2,395,958; Mar. 5.
- Pentaerythritol, Manufacture of. R. F. Burghardt and R. H. Barth. 2,401,749; June 11.
- Pentaerythritol, Producing. R. F. B. Cox. 2,407,920; Sept. 17.
- Pentaerythritol tetranitrate recovery. J. A. Wyler. 2,394,223; Feb. 5.
- Pentane, Averaging with. R. E. Burk. 2,405,997; Aug. 20.
- Pentane, Isomerization of. F. M. McMillan and H. A. Cheney. 2,393,051; Jan. 15.
- Pentareflector. I. C. Gardner. 2,400,111; May 14.
- Pentolite, Preparing. G. W. McCurdy. 2,395,341; Feb. 19.
- Pepper mill. E. L. Bivans. 2,407,808; Sept. 17.
- Perambulator. E. W. Grove, III. 2,407,779; Sept. 17.
- Perchloric acid, Manufacture of. J. C. Pernert. 2,392,861; Jan. 15.
- Percolator, Vacuum siphon. F. E. Scott. 2,403,404; July 2.
- Percussion tool. R. Goldschmidt. 2,407,604; Sept. 10.
- Percussive tool. A. R. Schwarzkopf. 2,408,484; Oct. 1.
- Percussive tools operated by an internal-combustion engine. J. Wohlmeyer. 2,396,627; Mar. 12.
- Perforated pie coverings, Method and apparatus for forming. J. MacManus. 2,405,661; Aug. 13.
- Perforating and tubulating apparatus. R. A. Hinkley. 2,410,345; Oct. 22.
- Perforating apparatus. E. A. Ford. 2,394,604; Feb. 12.
- Perforating device. W. J. Hampton. 2,394,377; Feb. 5.
- Perforating device. Carl J. Hueber and D. A. Stark. 2,394,385; Feb. 5.
- Perforating device. E. Kern. 2,405,150; Aug. 6.
- Perforating machine. C. J. Russnak. 2,393,416; Jan. 22.
- Perforating well casings. C. O. Davis and L. A. Burrows. 2,399,211; Apr. 30.
- Perforator for well casing. Gun. M. O. Johnston. 2,407,081; Sept. 3.
- Perforator, Gun. R. D. Elliott. 2,402,153; June 18.
- Perforator, Meat. F. P. Savage. 2,396,020; Mar. 5.
- Periodic control, Intermittent. J. F. Straitz. 2,402,460; June 18.
- Periodic momentary switch. A. Z. Smith. 2,404,001; July 16.
- Periodical display rack. J. Bloom. 2,401,409; June 4.
- Periscope-telescope, Combined. W. E. Swift, Jr. 2,392,428; Jan. 8.
- Permanent magnet field generator. C. Jackson. 2,407,883; Sept. 17.
- Permeability tuned band-spread circuit. J. J. Brand. 2,402,261; June 18.
- Permeability measurement traversed by bore holes, Locating. J. E. Walstrom. 2,401,280; May 28.
- Peroxides, Organic. W. E. Vaughan and F. F. Rust. 2,403,771; July 9.
- Peroxides, Production of organic. F. H. Dickey and E. R. Seil. 2,403,709; July 9.
- Perspective drawing device. G. D. Andersen, C. L. Spencer, and J. L. Hansen. 2,412,194; Dec. 10.
- Perylene derivatives. N. H. Haddock. 2,409,851; Oct. 22.
- Pessary. G. A. Clark. 2,398,518; Apr. 16.
- Pessary, Self-supporting. Y. H. Kurkjian. 2,404,384; July 23.
- Pest control. E. W. Bouquet and H. G. Guy. 2,410,862; Nov. 12.
- Pest control. A. L. Flenner and N. E. Searle. 2,411,253; Nov. 19.
- Petard missile. J. H. Church and W. W. Thibodeau. 2,412,967; Dec. 24.
- Petroleum, Electric solvent-refining of. R. B. Perkins, Jr. 2,395,011; Feb. 19.
- Petroleum emulsions, Process and agent for breaking. R. A. Salathiel. 2,401,966; June 11.
- Petroleum hydrocarbon content of earth samples, Determining the. C. B. Brown. 2,403,631; July 9.
- Petroleum mahogany sulphonic products. M. Blumer. 2,396,673; Mar. 19.
- Petroleum products. J. L. Franklin. 2,393,154; Jan. 15.
- Petroleum products, Identifying. J. W. Sparks. 2,392,620; Jan. 8.
- Petroleum products, Purifying. M. A. Dietrich and C. J. Pedersen. 2,411,958-9; Dec. 3.
- Petroleum sulfonates, Preparing. J. C. Showalter. 2,412,916; Dec. 17.
- Pharmaceutical preparation, Liquid. W. Karrer. 2,410,949; Nov. 12.
- Pharmaceutical solution. M. Sahyun. 2,411,897; Dec. 3.
- Phase angle indicator. W. W. Hansen. 2,411,876; Dec. 3.
- Phase comparison apparatus. R. M. Bowle. 2,399,661; May 7.
- Phase indicating circuit. E. N. Dingley, Jr. 2,396,253; Mar. 12.
- Phase inverter circuit. S. Berkoff. 2,411,706; Nov. 26.
- Phase modulation method and apparatus. E. L. Kent. 2,398,097; Apr. 9.
- Phase-modulation system. B. D. Loughlin. 2,401,007; Mar. 28.
- Phase modulator. R. C. Sanders, Jr., W. R. Mercer, and D. Blitz. 2,409,449; Oct. 15.
- Phase-responsive system. J. A. Rankin. 2,410,523; Dec. 24.
- Phase sensitive apparatus. J. E. Shepherd. 2,410,843; Nov. 12.
- Phase shifting circuit. R. B. Dome. 2,410,721; Nov. 5.
- Phase shifting circuit. H. R. Gupitll. 2,411,423; Nov. 5.
- Phenanthridine derivatives. L. P. Walls. 2,397,391; Mar. 26.
- Phenolaldehyde resins and their use as modifying agents for the preparation of certain reactive. E. F. Siegel. 2,400,718; May 21.
- Phenol-formaldehyde condensation products, Nonresinous. J. W. Kroeger and H. F. O'Connor. 2,397,018; Mar. 19.
- Phenol, Manufacture of. F. Porter. 2,392,875; Jan. 15.
- Phenolic composition, Sulphurized. O. M. Reiff and J. D. Zech. 2,394,564; Feb. 12.
- Phenols from wood distillate, Separation of higher. A. A. Reiter and F. L. Beman. 2,400,466; May 14.
- Phenols, Manufacture of. D. Tyrer. 2,407,044; Sept. 3.
- Phenols or salts thereof, Manufacture of. D. Tyrer. 2,407,045; Sept. 3.
- Phenols, Substituted. G. F. D'Alelio. 2,394,754; Feb. 12.
- Phenyl sulfonyl diesters of nitro alcohols. P. J. Baker, Jr. 2,412,116; Dec. 3.
- Phenyl sulfonyl triesters of nitro alcohols. P. J. Baker, Jr. 2,412,117; Dec. 3.
- Phenyl sulphonyl esters of nitro alcohols. P. J. Baker, Jr. 2,395,386; Feb. 26.
- Phone and making same. D. E. Rutter, H. B. Shapiro, and W. J. Brown. 2,392,924; Jan. 1.
- Phonograph. B. R. Carson and K. J. Magnusson. 2,412,441; Dec. 10.
- Phonograph. J. J. Ontalek. 2,395,390; Feb. 26.
- Phonograph. S. Yerkovich. 2,409,006; Oct. 8.
- Phonograph and word display apparatus for teaching languages, Combined. F. W. Quidas. 2,412,061; Dec. 3.
- Phonograph, Automatic. J. A. Boyajian. 2,411,612; Nov. 26.
- Phonograph, Automatic. J. A. Darwin and R. Robertson. 2,406,355; Aug. 27.
- Phonograph, Automatic. C. G. Johnson. 2,398,010; Apr. 9.
- Phonograph, Automatic. M. R. Winkler. 2,398,067; Apr. 9.
- Phonograph, Dual speed. E. V. Schneider. 2,392,193; Jan. 1.
- Phonograph, Multiple record. J. Erwood and H. Holter. 2,397,932; Apr. 9.
- Phonograph, Record changer. J. and J. Erwood. 2,394,539; Feb. 12.
- Phonograph reproducing system. R. H. Herrick. 2,393,374; Jan. 22.
- Phonograph stylus. H. L. Imelmann. 2,399,035; Apr. 23.
- Phonograph tone arm mounting. C. B. Dale. 2,402,150; June 18.
- Phonograph, Two-amplifier recording and reproducing. L. Thompson. 2,409,520; Oct. 15.
- Phosphates and their preparation, Allyl-type. L. N. Whitehill and R. S. Barker. 2,394,829; Feb. 12.
- Phosphates, Preparing aluminum. H. H. Greger. 2,405,884; Aug. 13.
- Phosphatide composition and preparing. P. L. Julian and E. W. Meyer. 2,400,120; May 14.
- Phosphatidic lubricant and making. J. J. Jacobs. 2,403,284; July 2.
- Phosphonamides, Cellulose. C. A. Thomas and G. Kosolapoff. 2,401,440; June 4.
- Phosphors and their stabilization. H. C. Froelich. 2,408,621; Oct. 1.
- Phosphorus, Making red. T. W. De Witt. 2,397,951; Apr. 9.
- Phosphorus, Stable red. L. C. Hurd. 2,399,120; Apr. 23.
- Photocell and circuit, Sensitive. C. W. Hansell. 2,410,732; Nov. 5.
- Photocell for measuring long wave radiations. C. G. Fink and J. S. Mackay. 2,408,139; Aug. 20.
- Photoelectric cell. A. H. Lamb. 2,403,863; July 9.
- Photoelectric consistency indicating method. D. L. West. 2,394,129; Feb. 5.
- Photoelectric control. W. F. Wolfner II. 2,401,396; June 4.
- Photoelectric counter and speed measuring device. H. J. Duns and H. F. Clarke. 2,400,489; May 21.
- Photoelectric device. L. Malter. 2,412,822; Dec. 17.
- Photoelectric device and the manufacture thereof. H. C. Rentschler and D. E. Henry. 2,393,264; Jan. 22.
- Photoelectric inspection device. S. C. Hurley, Jr. 2,393,262; Feb. 26.
- Photoelectric integrator. P. Padva. 2,410,550; Nov. 5.
- Photoelectric sound head, Horizontally and vertically adjustable. M. M. Iborra. 2,413,051; Dec. 24.
- Photoelectric system. T. B. Perkins. 2,403,609; July 9.
- Photoelectric transmitting typewriter apparatus. G. L. Bush. 2,408,754; Oct. 8.
- Photoelectric tube. E. H. Bickley. 2,392,969; Jan. 15.
- Photoelectric tube and manufacture. R. W. Engstrom. 2,412,222; Dec. 24.
- Photoelectrically controlled amplifying circuit. W. A. Gieseke. 2,404,131; July 16.
- Photoflash lamp. P. Schwärze. 2,393,711; Jan. 29.

- Photograph and letter press. J. T. Connors. 2,399,857; May 7.
- Photograph holder. F. J. Vargish. 2,409,814; Oct. 22.
- Photographic apparatus. S. C. Coroniti. 2,413,218; Dec. 24.
- Photographic apparatus. D. C. Harvey. 2,403,717; July 9.
- Photographic apparatus. M. Schwartz and W. Castedello. 2,395,074; Feb. 19.
- Photographic apparatus. M. Schwartz and W. Castedello. 2,395,389; Mar. 19.
- Photographic composing apparatus and the like, Operating unit for. W. C. Huebner. 2,402,752; June 25.
- Photographic compositions and elements, Light sensitive. V. B. Sease and D. W. Woodward. 2,405,523; Aug. 6.
- Photographic compound. W. O. Wilson. 2,398,936; Apr. 23.
- Photographic control means. W. M. Schneider. 2,412,292; Dec. 10.
- Photographic copying apparatus, Control for. J. F. Egan. 2,408,711; July 9.
- Photographic developer. F. R. Bean. 2,394,588; Feb. 12.
- Photographic developer compositions. R. C. Lyon. 2,397,676; Apr. 2.
- Photographic developing apparatus. J. Wyllie, Jr. 2,400,673; May 21.
- Photographic developing process. F. Dersch and N. Heimbach. 2,404,774; July 30.
- Photographic developing tank. J. F. Morse. 2,405,160; Aug. 6.
- Photographic developing tank. R. H. Peckham. 2,405,233; Aug. 6.
- Photographic dry stripping material. C. J. Staud. 2,398,056; Apr. 9.
- Photographic element. R. K. Blake and W. D. Baldsiefen. 2,400,532; May 21.
- Photographic element. C. F. A. White. 2,397,452; Mar. 26.
- Photographic elements. D. M. McQueen. 2,397,866; Apr. 2.
- Photographic elements, Color yielding. A. B. Jennings, O. W. Murray, and C. F. A. White. 2,397,864; Apr. 2.
- Photographic elements containing protein color formers. A. B. Jennings. 2,397,867; 2,397,867; Apr. 2.
- Photographic emulsion. E. B. Knott. 2,411,546; Nov. 26.
- Photographic emulsion. C. D. Wilson. 2,393,351; Jan. 22.
- Photographic emulsion for transport, Preparing. T. T. Baker. 2,413,271; Dec. 24.
- Photographic emulsion, Sensitized. B. H. Carroll and J. Spence. 2,398,778; Apr. 23.
- Photographic emulsions, Development of. S. S. Fierke and C. J. Staud. 2,410,644; Nov. 5.
- Photographic emulsions, Improvers for. J. D. Kendall, D. J. Fry, and J. D. Brooks. 2,403,927; July 16.
- Photographic emulsions, Sensitizing. S. E. Sheppard and H. R. Brigham. 2,410,689; Nov. 5.
- Photographic emulsions, Silver halide. J. D. Kendall and D. J. Fry. 2,397,015; Mar. 19.
- Photographic film holder. T. McG. Aiken. 2,410,919; Nov. 12.
- Photographic fixing procedure and baths. J. I. Crabtree and G. T. Eaton. 2,412,674; Dec. 17.
- Photographic fixing process and compositions. J. I. Crabtree and G. T. Eaton. 2,397,924; Apr. 9.
- Photographic flash lamps, Means to ignite. L. Weisglass. 2,395,600; Feb. 26.
- Photographic frame rack. J. Worth. 2,404,117; July 16.
- Photographic images, Production of colored. D. W. Stammers. 2,396,396; Mar. 12.
- Photographic lighting apparatus. O. H. Floyd. 2,394,966; Feb. 12.
- Photographic masking easel. D. G. Hunter. 2,412,507; Dec. 10.
- Photographic material. R. B. Collins and J. Miller. 2,411,507; Nov. 26.
- Photographic material. C. J. Staud. 2,409,162; Oct. 8.
- Photographic materials. J. A. H. Hart and E. W. Lee. 2,400,989; May 28.
- Photographic materials. E. B. Knott. 2,410,096; Nov. 12.
- Photographic materials. C. Waller, R. B. Collins, and E. C. Dodd. 2,399,083; Apr. 23.
- Photographic materials, Sensitive. E. P. Davey and E. W. H. Selwyn. 2,408,708; July 9.
- Photographic paper. F. W. Boughton. 2,394,289; Feb. 5.
- Photographic process and composition for fixing. J. I. Crabtree and G. T. Eaton. 2,396,830; Mar. 19.
- Photographic recording apparatus. J. D. Ashford. 2,394,225; Feb. 5.
- Photographic support. A. Murray. 2,400,366; May 14.
- Photographic tank reel. F. M. Morgan and S. Wallace. 2,400,943; May 28.
- Photographing device. J. W. McFarlane and C. F. Andrews. 2,403,892; July 9.
- Photography and elements therefor, Color. A. B. Jennings. 2,397,865; Apr. 2.
- Photography, Color. A. B. Bayley. 2,395,776; Feb. 26.
- Photography, Color. A. B. Bayley. 2,403,040; July 2.
- Photography, Color. P. W. Vittum and L. S. Wilder. 2,401,713; June 4.
- Photography, Color. D. W. Woodward. 2,394,527; Feb. 5.
- Photomechanical process. A. Murray and J. A. C. Yule. Re. 22,736; Mar. 26.
- Photomechanical process. A. Murray and J. A. C. Yule. Re. 22,741; Apr. 2.
- Photometric process for gas analysis. J. Major and E. W. Thomas. 2,395,489; Feb. 26.
- Photo radio signaling by frequency modulation. J. L. Finch. 2,411,853; Dec. 3.
- Photosensitive tube. L. A. Adair. 2,392,895; Jan. 15.
- Photo tube and manufacture. J. B. Diffenderfer. 2,414,733; June 11.
- Phototube and manufacture. R. B. Janes. 2,401,736; June 11.
- Phototube and manufacture. R. B. Janes. 2,401,737; June 11.
- Phototubes and manufacture. J. E. Henderson and R. B. Janes. 2,404,343; July 16.
- Phthalocyanine sulfonylhydrazines. A. L. Fox. 2,413,224; Dec. 24.
- Physiologically active compounds, and making the same. A. Serid and K. Steinruck. 2,394,565; Feb. 12.
- Piano action. W. G. Betz. Re. 22,777; Aug. 13.
- Piano action protector. A. A. Rouse. 2,403,196; July 2.
- Picker check. E. Nadeau. 2,399,562; Apr. 30.
- Picker, Corn. A. L. Roe. 2,412,358; Dec. 10.
- Picker for loom. W. A. Blanchard. 2,407,054; Sept. 3.
- Picker, Fruit. S. Johnson, Sr. 2,393,107; Jan. 15.
- Picker mechanism and machines, especially knitting machines, incorporating such mechanism. B. T. Cole. 2,395,405; Aug. 6.
- Picker mechanism for circular knitting machines. E. Brooksbay and F. E. Deans. 2,396,490; Mar. 12.
- Picker stick checking mechanism. W. Hamilton. 2,408,636; Oct. 1.
- Picker, Stitch. L. H. Gearhart. 2,409,351; Oct. 15.
- Picker's apparatus, Fruit. J. O. Savage. 2,405,453; Aug. 6.
- Picking machine, Nut meat. V. L. Rodriguez, Sr., V. L. Rodriguez, Jr., and R. R. Rodriguez. 2,401,437; June 4.
- Picking apparatus. S. H. McKee. 2,405,137; Aug. 6.
- Pickup. B. R. Kamler and D. L. Elam. 2,396,703; Mar. 19.
- Pickup. B. F. McNamee. 2,400,564; May 21.
- Pickup arm. A. F. Worsham. 2,413,206; Dec. 24.
- Pickup, Electric. H. T. Paus. 2,406,597; Aug. 27.
- Pickup mechanism, Airplane. J. G. Ingres. 2,401,248; May 28.
- Pickup, Scrub water. L. C. Dolce. 2,396,645; Mar. 19.
- Pickup system. A. D. Plummer. 2,402,574; June 25.
- Picture frame. A. D. Boglia. 2,403,491; July 9.
- Picture frame. W. A. Hicks. 2,411,272; Nov. 19.
- Picture frame. W. Martin. 2,401,496; June 4.
- Picture frame or the like. A. Nihon. 2,408,994; Oct. 8.
- Picture, Banger and curtain tieback, Combination. H. Tashman. 2,396,350; Mar. 12.
- Picture holder. G. G. Merl. 2,410,989; Nov. 12.
- Picture reproduction, Slow-action electrical. G. C. Sziklai. 2,406,266; Aug. 20.
- Pictures, Frame for miniature. F. Grobholz. 2,401,241; May 28.
- Pictures in relief, Method and apparatus for projecting. A. Pi Suner. 2,401,271; May 28.
- Pie dough former, trimmer, and crimper. L. J. Dale. 2,409,021; Oct. 8.
- Pie, Method and apparatus for making. L. J. Harris. 2,411,857; Dec. 3.
- Piers, Constructing. C. P. Disney. 2,405,295; Aug. 6.
- Piers, Construction of. C. M. Goodrich. 2,410,778; Nov. 5.
- Piezocrystal device of the sealed type. C. F. Dausmann. 2,412,719; Dec. 17.
- Piezocrystal holder. H. M. Bach. 2,412,438; Dec. 10.
- Piezoelectric apparatus. A. R. Morgan. 2,399,820; May 7.
- Piezoelectric crystal apparatus. C. E. Lane. 2,410,825; Nov. 12.
- Piezoelectric crystal apparatus. R. A. Sykes. 2,392,429; Jan. 8.
- Piezoelectric crystal cabinet. S. A. Bokovoy. 2,410,041; Oct. 29.
- Piezoelectric crystal holder. S. A. Bokovoy and K. K. Garrison. 2,395,841; Mar. 5.
- Piezoelectric crystal holder. T. W. Keller. 2,394,999; Feb. 19.
- Piezoelectric crystal holder. A. J. Perkins and W. G. Rogers. 2,392,039; Jan. 8.
- Piezoelectric crystal mounting. C. F. Baldwin. 2,412,030; Dec. 3.
- Piezoelectric device. F. Swinehart. 2,393,429; Jan. 22.
- Piezoelectric device. G. C. Tibbets. 2,403,692; July 9.
- Piezoelectric elements, Manufacture of. M. L. Smith. 2,392,271; Jan. 1.
- Piezoelectric gauge and making the same. M. M. Shapiro. 2,408,816; Oct. 8.
- Piezoelectric transducer. H. B. Shapiro. 2,399,513; Apr. 30.
- Pigeon container. O. Meyer and L. Stein. 2,398,797; Apr. 23.
- Pigment and manufacture, Iron blue. E. W. Large. 2,402,824; June 25.
- Pigment, High-water-dispersible calcite. K. S. Mowids. 2,397,035; Mar. 19.

- Pigment or dyestuff and making the same. T. A. Leung-troth. 2,410,219; Oct. 29.
- Pigment, Perthiocyanoic-acid. W. H. Hill. 2,402,962; July 2.
- Pigmented film-forming compositions. E. K. Fischer. 2,396,415; Mar. 12.
- Pigments. A. Voet. 2,392,073; Jan. 1.
- Pigments and manufacturing the same, Metallic bronze paste or powder. 2,399,775; May 7.
- Pigments, Metallized azo. D. E. Kvalnes and H. E. Woodward. 2,396,327; Mar. 12.
- Pigments, Monazo. D. E. Kvalnes and H. E. Woodward. 2,396,328; Mar. 12.
- Pigments, Perthiocyanoic metal. W. H. Hill. 2,402,961; July 2.
- Pigments, Physical form of organic. J. W. Lang and S. R. Detrick. 2,402,167; June 18.
- Pile fabric manufacture. J. N. Dow and A. T. Dildilian. 2,408,756; Oct. 8.
- Pile, fringe, or the like. B. Kahn. 2,398,645; Apr. 16.
- Piling, Encasing driven. C. Weber. 2,412,185; Dec. 3.
- Piling, Producing. C. Weber. 2,412,239; Dec. 10.
- Pillow head cover. H. A. Zimmerbrooks. 2,412,769; Dec. 17.
- Pilot compartment. C. H. Zimmerman. 2,403,838; July 9.
- Pilot for aircraft, Automatic. P. G. Holt. 2,401,354; June 4.
- Pilot, Pneumatically controlled automatic. W. A. Matthews. 2,400,126; May 14.
- Pilot training apparatus. S. Kanter. 2,396,660; Mar. 19.
- Pilot valve construction. F. Beebe. 2,402,011; June 11.
- Pilot wave generator. H. M. Stoller. 2,395,514; Feb. 26.
- Pin: See—
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| Bob pin. | Pivot pin. |
| Bowling pin. | Releasable pin. |
| Decorative bar pin. | Securing pin. |
| Hair-grip pin. | |
- Pin assembly, Wrist. J. Kuttner. 2,407,429; Sept. 10.
- Pin curl clip. C. R. Cochran. 2,400,488; May 21.
- Pin drill and end mill. E. G. A. Flodman. 2,393,361; Jan. 22.
- Pin up vanity case holder. C. C. Di Stiso. 2,401,556; June 4.
- Pins, Assembling safety. H. Alfandre. 2,405,934; Aug. 20.
- Pins in headers or the like, Guide for knockout. R. L. Wilcox. 2,401,805; June 11.
- Pins, Machine for assembling bar. I. Mizrach. 2,401,652; June 4.
- Pinacol production, Electrolytic. C. R. Boettger, Jr., T. S. Chambers, and O. C. Slotterbeck. 2,408,036; Sept. 24.
- Pinacole, Electrolytic production of. O. C. Slotterbeck. 2,408,101; Sept. 24.
- Pinfile. F. E. Mennen. 2,397,558; Apr. 2.
- Pipe: See—
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| Bubble pipe. | Prestressed steel pipe. |
| Flexible pipe. | Stoker smoking pipe. |
| Insulated pipe. | Tobacco pipe. |
| Porcelain pipe. | |
- Pipe. W. H. Siebels. 2,401,974; June 11.
- Pipe, for the like, Method and apparatus for unearthing. E. H. Hebert. 2,396,849; Mar. 19.
- Pipe bending machines, Protractor for. E. N. Willingham. 2,403,420; July 2.
- Pipe case and tobacco pouch, Combined. A. Dubsky. 2,396,364; Mar. 12.
- Pipe cleaner. Bruno L. Pape. 2,412,531; Dec. 10.
- Pipe closure, Theft proof. A. E. B. Chamberlain and R. M. Kolter. 2,411,505; Nov. 26.
- Pipe coupler interlock. F. E. Becker. 2,413,402; Dec. 31.
- Pipe coupling. W. A. G. Box. 2,396,078; Mar. 5.
- Pipe coupling. C. A. Dies. 2,396,163; Mar. 5.
- Pipe coupling. D. L. Giles. 2,412,394; Dec. 10.
- Pipe coupling. A. C. Kelle. 2,413,106; Dec. 24.
- Pipe coupling. A. L. Parker. 2,394,097; Feb. 5.
- Pipe coupling. E. W. Rembert. Re. 22,782; Aug. 20.
- Pipe cutter. J. R. Jobe. 2,397,318; Mar. 26.
- Pipe-cutting apparatus. F. A. Howard. 2,408,517; Oct. 1.
- Pipe fitting. F. J. Veitch. 2,404,259; July 16.
- Pipe flange, Thermoplastic. O. B. Amley and J. B. Gregory. 2,412,487; Dec. 10.
- Pipe for motor watercraft, Air intake. W. Helmore. 2,413,350; Dec. 31.
- Pipe forming machine. E. F. Sewell. 2,404,464; July 23.
- Pipe hanger. G. P. Relintjes. 2,394,263; Feb. 5.
- Pipe holder. H. B. Decker. 2,413,297; Dec. 31.
- Pipe joining device. H. V. Jewell. 2,409,865; Oct. 22.
- Pipe joint. M. E. Alexander. 2,398,399; Apr. 16.
- Pipe joint. J. Ferla. 2,405,567; Aug. 13.
- Pipe-line cleaner. J. E. Hall. 2,392,144; Jan. 1.
- Pipe-line repair plug. H. S. Danner. 2,399,541; Apr. 30.
- Pipe made from lead alloys, Extruded. W. T. Butcher and A. Lloyd. 2,409,540; Oct. 15.
- Pipe section and coupling therefor, Flexible. J. A. Zublin. 2,402,003; June 11.
- Pipe-shearing mechanism. E. A. Roop. 2,397,048; Mar. 19.
- Pipe, Smokers'. J. Leedy and L. Patrick. 2,404,733; July 23.
- Pipe tapping device. R. J. O'Neil. 2,392,059; Jan. 1.
- Pipe with plastic material, Lining. C. E. Bennett. 2,399,849; May 7.
- Pipe wrench. F. W. Livermont. 2,403,187; July 2.
- Pipe wrench. B. L. Lurie. 2,407,990; Sept. 24.
- Pipe wrench. A. M. Rowland. 2,405,757; Aug. 13.
- Pipe, Adjustable automatic. W. D. Long. 2,398,234; Apr. 9.
- Pipette and making same. R. L. Elliot and E. M. Lavor. 2,398,737; Apr. 16.
- Piperidine derivatives, Manufacture of. F. Bergel, N. C. Hinder, A. L. Morrison, and H. Rinderknecht. 2,403,903; July 16.
- Piperidinoethanol ester of di-n-butyl acetic acid. H. Martin and A. Margot. 2,411,283; Nov. 19.
- Piperylene, Purifying. F. J. Soday. 2,413,257; Dec. 24.
- Piperylene mechanism for sewing machines. E. T. Coates. 2,393,292; Jan. 22.
- Pistol installation, Flare. H. L. Wheeler. 2,400,322; May 14.
- Piston. C. S. Clark. 2,395,847; Mar. 5.
- Piston. C. S. Clark. 2,396,084; Mar. 5.
- Piston. B. Cones. 2,408,915; Oct. 8.
- Piston. R. T. Cornellius. 2,410,405; Nov. 5.
- Piston. R. W. Dexter and P. L. Loewe. 2,407,631; Sept. 17.
- Piston. J. W. Howlett. 2,394,241; Feb. 5.
- Piston. J. W. Howlett. 2,398,005; Apr. 9.
- Piston. A. E. Meinke. 2,409,057; Oct. 8.
- Piston. G. L. Nampa. 2,410,895; Nov. 12.
- Piston. B. W. Olin. 2,404,651; July 23.
- Piston. W. A. Parkins. 2,408,875; Oct. 9.
- Piston. H. P. Phillips. 2,403,455; July 8.
- Piston. E. R. Price. 2,396,388; Mar. 12.
- Piston. W. A. Roth. 2,406,258; Aug. 20.
- Piston. W. A. Roth. 2,406,511; Aug. 27.
- Piston. K. A. Smith. 2,408,346; Sept. 24.
- Piston. O. L. Starr. 2,402,213; June 18.
- Piston. E. M. Svefe. 2,394,269; Feb. 5.
- Piston. R. R. Teetor. 2,407,192; Sept. 3.
- Piston. H. E. Young. 2,402,268; June 18.
- Piston and connecting rod mechanism. A. Zemen. 2,404,470; July 23.
- Piston and connecting rod therefor. R. C. Luedtke. 2,413,059; Dec. 24.
- Piston and cylinder assembly. R. E. Dunnebeck. 2,412,975; Dec. 24.
- Piston and cylinder construction, Hydraulic shock absorber. G. M. Magrum. 2,409,505; Oct. 15.
- Piston and cylinder device. W. H. Cook. 2,405,016; July 30.
- Piston and guide structure for engines of the reciprocating piston type. J. Schoenfeld. 2,395,911; Mar. 5.
- Piston and piston ring improvement. T. A. Bowers. 2,403,574; July 9.
- Piston and valve mechanism, Two cycle gas engine cylinder. J. A. Kramer. 2,393,542; Jan. 22.
- Piston, Aruate. R. L. Snyder. 2,413,590; Dec. 31.
- Piston assembly. C. N. Kahn. 2,409,868; Oct. 22.
- Piston assembly, Valved pump. O. A. Kehle. 2,404,502; July 23.
- Piston brake valve. R. B. Campbell. 2,404,122; July 16.
- Piston cleaning apparatus. C. A. Stine. 2,394,338; Feb. 5.
- Piston construction. S. H. Hamilton and L. W. Shelly. 2,413,347; Dec. 31.
- Piston construction. W. A. Ledwith. 2,411,886; Dec. 3.
- Piston construction. J. M. S. 2,398,018; Mar. 5.
- Piston construction. F. B. Payne. 2,392,182; Jan. 1.
- Piston construction for compressor units. V. Cronstedt and A. Kalitinsky. 2,404,428; Nov. 5.
- Piston device. S. G. Down. 2,407,872; Sept. 17.
- Piston device, Radial reciprocating. A. T. Logus. 2,404,308; July 16.
- Piston engine. E. M. Badour. 2,409,555; Oct. 15.
- Piston expander. C. Melidoni. 2,396,055; Mar. 5.
- Piston expander. W. J. Six. 2,397,056; Mar. 19.
- Piston, Expandible. J. D. Buchanan. 2,393,747; Jan. 29.
- Piston for internal-combustion engine. W. Howald. 2,394,179; Feb. 5.
- Piston for internal-combustion engines. G. V. Bratzel. 2,398,577; Apr. 16.
- Piston for internal-combustion engines. J. L. Harrah. 2,408,852; Oct. 22.
- Piston for internal-combustion engines. W. Osborne. 2,407,440; Sept. 10.
- Piston, Lubricated. G. W. Pontius, III. 2,398,910; Apr. 23.
- Piston, Oil cooled. W. Gasser. 2,396,500; Mar. 12.
- Piston ring. H. M. Bramberry. 2,404,616; July 23.
- Piston ring. F. Ernst. 2,400,109; May 14.
- Piston ring. G. Iliffe. 2,412,734; Dec. 17.
- Piston ring. S. E. Jessup. 2,409,764; Oct. 22.
- Piston ring. W. S. Loeb. 2,399,683; May 7.
- Piston ring. W. S. Loeb. 2,410,452; Nov. 5.
- Piston ring. C. and M. W. Marlen. 2,406,844; Sept. 3.
- Piston ring. T. E. McFall. 2,404,140; July 16.
- Piston ring. J. A. Ramsey. 2,411,737; Nov. 26.
- Piston ring. R. R. Teetor. 2,397,220; Mar. 26.
- Piston ring. V. F. Zahodnick. 2,397,636; Apr. 2.
- Piston ring and expander means therefor. O. L. Starr. 2,394,408; Feb. 5.
- Piston ring assembly element and making. H. P. Phillips. 2,404,862; July 30.

- Piston ring spacer. T. E. McFall. 2,405,318; Aug. 6.
 Piston rod packing retainer ring. G. T. Kemmerling. 2,413,504; Dec. 31.
 Piston, Self-cleaning. J. J. de la Roza, Sr. 2,398,135; Apr. 9.
 Pitch and diameter control, Propeller. F. Du P. Ammen. 2,403,899; July 16.
 Pitch and roll indicator. F. H. Hagner. 2,402,395; June 18.
 Pitch changing mechanism. F. W. Caldwell, E. Martin, and E. E. Vincent. 2,392,564; Jan. 8.
 Pitot tube. E. Daiber. 2,393,593; Jan. 29.
 Pitot tube. J. McOrlly. 2,399,370; Apr. 30.
 Pitter, Fruit. G. H. Barrows. 2,392,451; Jan. 8.
 Pitting machine. G. W. Ashlock, Jr. 2,406,736; Sept. 3.
 Pivot pin. W. E. Brill. 2,406,940; Sept. 3.
 Pivot, Tooth root. J. Ruetz. 2,411,758; Nov. 26.
 Pivotal joint. R. W. Brown. 2,393,501; Jan. 22.
 Plane, Hand. C. E. Goodridge. 2,395,268; Feb. 19.
 Plane, Power-driven hand. W. H. Vandell. 2,395,158; Feb. 19.
 Plane surfaces, Method and apparatus for grinding. W. C. Sutton. 2,402,305; June 18.
 Planer. P. S. Jackson. 2,402,123; Dec. 10.
 Planer, Electric. A. Friedman and P. Thompson. 2,411,257; Nov. 19.
 Planer gauge. J. Beteche. 2,399,160; Apr. 30.
 Planer gauge. C. C. Sconce. 2,400,441; May 14.
 Planetary manual control mechanism. J. M. Wilson. 2,397,068; Mar. 19.
 Planetary transmission. H. E. Carnague. Re. 22,718; Feb. 12.
 Planishing machine. W. K. Beckwith. 2,395,366; Feb. 19.
 Plank or board joint. F. J. Tirrel. 2,405,469; Aug. 6.
 Planking, Ship-deck. A. A. Glidden and W. R. Hickler. 2,397,936; Apr. 9.
 Plant, Combustion-engine power. J. Barraja-Frauenfelder and O. G. Schrom. 2,395,443; Feb. 26.
 Plant extracts and producing same. O. Gisvold. 2,408,924; Oct. 8.
 Plant for airplanes, Auxiliary power. A. T. Sundell. 2,395,919; Mar. 5.
 Plant, Gas turbine. W. Traupel. 2,399,152; Apr. 23.
 Plant, Internal-combustion engine turbine. T. Clark and W. H. Lindsey. 2,404,275; July 16.
 Plant, Internal-combustion turbine. D. MacL. Smith. 2,397,815; Apr. 2.
 Plant, Power. L. Birkgit. 2,400,068; May 14.
 Plant, Power. E. Wilcox. 2,400,889; May 28.
 Plant products, Treating. H. A. Noyes. 2,395,498; Feb. 26.
 Plant, Steam power. A. Doble. 2,393,313; Jan. 22.
 Plant stimulant composition and method. J. H. Billman. 2,411,359; Nov. 19.
 Plant, Well drilling. M. T. Archer. 2,405,546; Aug. 13.
 Planter. L. H. Kaupke and L. E. Smith. 2,403,376; July 2.
 Planter. L. E. Smith. 2,395,350; Feb. 19.
 Planter, Seed. H. R. Holloway. 2,394,778; Feb. 12.
 Plants, Method of and apparatus for dusting. G. S. and C. Messinger. 2,400,702; May 21.
 Plaque, Ornamental. C. W. Johnson. 2,392,046; Jan. 1.
 Plaster compound. H. Brown. 2,410,865; Nov. 12.
 Plaster, Set stabilized. H. F. Gardner. 2,406,757; Sept. 3.
 Plastic arch support. W. M. Scholl. 2,401,514; June 4.
 Plastic articles, Making. A. W. Prance. 2,410,361; Oct. 29.
 Plastic articles, Making molded. W. H. Parmelee. 2,401,180; May 28.
 Plastic composition. W. W. Koch. 2,397,320; Mar. 26.
 Plastic composition. I. J. Novak and J. N. Kuzmick. 2,402,910-11; June 25.
 Plastic composition and making. A. V. Keller. 2,404,910; July 30.
 Plastic composition, Metal containing. C. Luckhaupt. 2,406,428; Aug. 27.
 Plastic compositions, Odor stabilized. V. Yngve. 2,394,417; Feb. 5.
 Plastic compositions of polyvinyl ester and wax. G. J. Manson. 2,413,239; Dec. 24.
 Plastic elements, Art of fabricating articles of decorative. M. H. Storch. 2,393,486; Jan. 22.
 Plastic forming apparatus. W. J. Baird and W. N. Sparks. 2,409,096; Oct. 8.
 Plastic hollow bodies, Molding. E. Gronemeyer and S. Cherba. 2,410,936; Nov. 12.
 Plastic injection, Method and apparatus for. H. F. MacMillin, W. Ernst, and G. A. Waldie. 2,398,318; Apr. 9.
 Plastic lipstick holder. J. W. Anderson. 2,395,709; Feb. 26.
 Plastic material, Readily combustible. H. A. Bruson and G. B. Butler. 2,404,688; July 23.
 Plastic material, Transparent. B. Andersen. 2,404,422; July 23.
 Plastic materials, Plasticizing or plasticating. F. M. Roddy. 2,404,406; July 23.
 Plastic milk carton case. L. C. Folst. 2,409,748; Oct. 22.
 Plastic molding. D. A. Wallace. 2,411,398; Nov. 19.
 Plastic molding machine. A. A. Barry. 2,408,911; Oct. 8.
 Plastic objects, Making. L. J. A. Lavallee. 2,401,306; June 4.
 Plastic oxy-aromatic petroleum wax and making the same. O. M. Reiff and J. D. Zech. 2,401,104; May 28.
 Plastic product. M. A. Powers. 2,410,744; Nov. 5.
 Plastic product and forming same. Z. T. Walter. 2,402,337; Jan. 22.
 Plastic sheet and manufacture. E. H. Land. 2,397,149; Mar. 26.
 Plastic surfaces, Treatment of. H. P. Staudinger and H. M. Huttenlocher. 2,400,720; May 21.
 Plastic, Visible light transparent. R. M. Goldrick and B. M. Marks. 2,403,794; July 9.
 Plasticized composition. F. J. Soday. 2,394,815; Feb. 12.
 Plasticized compositions. G. F. Deebel. 2,399,330; Apr. 30.
 Plasticized prolamine and derivative compositions, Production of. W. L. Morgan. 2,410,124; Oct. 29.
 Plasticized refrigerator cabinet. R. W. Ayres. 2,394,134; Feb. 5.
 Plasticizers. W. P. Bitler and L. Nicholl. 2,406,657; Aug. 27.
 Plasticizers and making the same. E. A. Rodman. 2,396,129; Mar. 5.
 Plasticizing of glassine papers. H. B. Wenberg. 2,403,697; July 9.
 Plastics. H. A. Bruson and G. B. Butler. 2,407,131; Sept. 3.
 Plastics, Automatic molding of. J. B. Whitmore. W. C. F. A. Newcombe. 2,409,725; Oct. 22.
 Plastics containing A 3-alkyl 2-phenylimino benzothiazoline, Cellulose organic acid ester. D. R. Morey and R. L. Tichenor. 2,393,801; Jan. 29.
 Plastics containing N N'-diphenyl acetamide, Cellulose organic acid ester. D. R. Morey and R. L. Tichenor. 2,393,802; Jan. 29.
 Plastics containing resacetophenone, Cellulose organic acid ester. L. W. A. Meyer and W. M. Gearhart. 2,393,794; Jan. 29.
 Plastics, Molding of. H. J. Hart. 2,399,117; Apr. 23.
 Plastics, Plasticization of. J. D. Jenkins. Re. 22,812; Dec. 3.
 Plastics, Proteinous. G. E. Ellerman. 2,412,327; Dec. 10.
 Plasticometer. S. A. Loukowsky and C. R. Storch. 2,410,385; Oct. 29.
 Plate and making same, Lithographic. J. D. Pursell. 2,407,290; Sept. 10.
 Plate, Automobile license. F. J. Gantner. 2,406,286; Aug. 20.
 Plate clamp. W. L. Keehn. 2,408,560; Oct. 1.
 Plate, Church. H. Nutt. 2,408,441; Oct. 1.
 Plate construction for freight cars, Side. V. Willoughby. 2,407,523; Sept. 10.
 Plate, Face. W. R. Schlage. 2,401,462; Nov. 5.
 Plate for bundle accessories, End. H. C. Wolf. 2,402,701; June 25.
 Plate for door locks, Adjustable strike. J. F. Leary and C. W. Michatek. 2,403,182; July 2.
 Plate for sport shoes, Removable spike. W. B. Hastings, Jr. 2,395,270; Feb. 19.
 Plate, Fracture. M. G. Harding. 2,406,832; Sept. 3.
 Plate, Glass electric hot. J. Bilan. 2,409,244; Oct. 15.
 Plate grapple. C. E. Baker. 2,412,555; Dec. 17.
 Plate installing device for road building machines, Dowel and shear. J. N. Heitzel. 2,399,025; Apr. 23.
 Plate lifting clamp. E. M. Gardner. 2,393,101; Jan. 15.
 Plate, Magnetic chuck attachment. F. Sheppard. 2,401,687; June 11.
 Plate, Photogravure printing. W. G. Mullen. 2,397,616; Apr. 2.
 Plate, Porous resilient printing. R. G. Chollar. 2,392,521; Jan. 8.
 Plate, Printing. J. J. Murray. 2,397,285; Mar. 26.
 Plate, Rotary sine index. E. P. Saunders. 2,406,906; Sept. 3.
 Plate, Storage battery. C. Ambruster. 2,404,158; July 16.
 Plate, Storage battery. R. F. Murphy. 2,401,435; June 11.
 Plate, Strike. W. G. Berry, Jr. 2,401,854; June 11.
 Plate, Tie. R. J. Lloyd. 2,397,023; Mar. 19.
 Plate, Tire tube repair. H. V. James. 2,412,736; Dec. 17.
 Plate, Wiping. L. N. Hampton. 2,402,998; July 2.
 Plates of cellulose material, Making shallow baking. H. F. Waters. 2,407,118; Sept. 3.
 Plates to their bases, Securing printing. H. J. Luehrs. 2,406,883; Sept. 3.
 Plates, Welding. H. Klopstock and A. R. Neelands. 2,399,356; Apr. 30.
 Plate arrangement for portable derricks, Working. W. D. Walters. 2,412,020; Dec. 3.
 Platform for mine cars, Adjustable. A. Feucht. 2,396,365; Mar. 12.
 Platform, Shoe. C. W. Mathieson. 2,406,091; Aug. 20.
 Plating, Acid rhodium. A. Brenner and W. A. Olson. 2,401,331; June 4.
 Plating, Chromium. R. M. Wick. 2,392,871; Jan. 15.
 Platinum or allied metals, or their alloys, and articles made therefrom. C. J. Smithells. 2,406,172; Aug. 20.
 Player and playhouse, Combined. S. L. Dennis. 2,402,876; June 25.
 Plier structure. J. H. Melchers. 2,399,497; Apr. 30.
 Plier wrench. M. W. Emmett. 2,397,095; Mar. 26.

- Pliers for twisting wire, Combination. R. C. Robinson. 2,394,807; Feb. 12.
- Plotting mechanism. R. E. Crooke. 2,402,026; June 11.
- Plow. A. W. Leland. 2,408,933; Oct. 8.
- Plow. A. A. Scarlett. Re. 22,787; Sept. 3.
- Plow, Adjustable. J. R. Michael. 2,399,818; May 7.
- Plow and cultivator gauge. G. S. Keasler. 2,396,467; Mar. 12.
- Plow, Automatic auxiliary. K. E. Butler. 2,402,365; June 18.
- Plow bottom. C. G. Strandlund. 2,395,021; Feb. 19.
- Plow, Buster gang. H. C. Harris. 2,407,006; Sept. 3.
- Plow for rotary chargers. E. M. Cooper. 2,392,231; Jan. 1.
- Plow, Snow. G. B. Kester. 2,410,543; Nov. 5.
- Plow with single collar. W. F. Mellen and J. H. Clasen. 2,401,537; June 11.
- Plug. See—
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| Anticorrosion plug. | Nonspill vent plug. |
| Blasting plug. | Passage plug. |
| Bridging plug. | Pipe-line repair plug. |
| Card terminal plug. | Safety plug. |
| Detachable plug. | Self-latching electric plug. |
| Electric fuse connection plug. | Spark plug. |
| Electric plug. | Sparking plug. |
| Electrical attachment plug. | Spring retained closure plug. |
| Electrical contact plug. | Thermostatic switch plug. |
| Extension plug. | Towline plug. |
| Filter plug. | Wall plug. |
| Fish lure casting plug. | Wooden plug. |
| Fused electrical plug. | |
| Multiple electric fuse plug. | |
- Plug and socket connection. Electrical. H. W. Reed. 2,413,519; Dec. 31.
- Plug and socket connector. L. F. Baker. 2,404,682; July 23.
- Plug and socket. Electrical. C. A., F. B., and W. A. Geers. 2,398,635; Apr. 16.
- Plug and switch box. D. Conlan. 2,397,595; Apr. 2.
- Plugboard. D. R. Platt and A. E. Gray. 2,407,176; Sept. 3.
- Plug connection, Hospital. W. P. Crockett. 2,405,735; Aug. 13.
- Plug connector. J. B. Miller and J. H. Simpson. 2,396,872; Mar. 19.
- Plug gauge. C. W. Eisele. 2,392,317; Jan. 8.
- Plug separator. C. A. Levin and O. A. Lorenz. 2,409,289; Oct. 15.
- Plug valve. P. E. Purcell. 2,396,880; Mar. 19.
- Plugs, Making jack. R. G. Arcy. 2,401,451; June 4.
- Plumbing unit, Antisiphonic. J. C. Owens. 2,395,906; Mar. 5.
- Plunger, Double suction. G. Bonde. 2,406,317; Aug. 27.
- Plunger, Pump. S. H. Holt. 2,408,979; Oct. 8.
- Plywood parts. Building and forming. H. J. Luth. 2,407,711; Sept. 17.
- Plywood structure. W. E. Wilson. 2,409,819; Oct. 22.
- Plywood, Treating. M. Pasquier. 2,400,051; May 7.
- Plywood tubing, Making. T. E. Ich. 2,411,542; Nov. 26.
- Pneumatic motor. E. W. Davis. 2,406,747; Sept. 3.
- Pneumatic shock absorber for drop hammers. L. F. Day. 2,398,084; Apr. 9.
- Pneumatic thread removing system for weft replenishing looms. W. H. Wakefield. 2,396,354; Mar. 12.
- Pneumatic tire, Sealing tubeless. E. F. Powell, W. G. and P. W. Radham. 2,399,572; Apr. 9.
- Pneumatic tool. J. Arthur. 2,398,992; Apr. 23.
- Pneumatic vehicle tires, Low air pressure alarm for. C. L. Dyke. 2,400,107; May 14.
- Pneumodynamic extractor. P. A. Bayless. 2,406,187; Aug. 20.
- Pocket accessory, Multiple purpose. H. F. Dye. 2,401,750; June 11.
- Pocket adding machine. W. M. Andrews. 2,395,609; Feb. 26.
- Pocket, Adjustable breast. I. Panes. 2,407,574; Sept. 10.
- Pocket attachment for firemen's coats, Gas mask carrier. A. M. Grunwell. 2,409,354; Oct. 15.
- Pocket case. A. Campos. 2,400,289; May 14.
- Pocket, Concealed garment. J. Lesser. 2,407,888; Sept. 17.
- Pocket construction for trousers. I. M. Falk. 2,400,025; Oct. 8.
- Pocket dispenser. W. C. Moeller. 2,408,150; Sept. 24.
- Pocket for brassieres, Breast. R. H. Davidson. 2,397,247; Mar. 26.
- Pocket for garments, Convertible. R. Lauria. 2,405,964; Aug. 20.
- Pocket for hearing aids, Carrying. M. H. Brede. 2,408,966; Oct. 8.
- Pocket, Garment. J. M. Haggar. 2,413,141; Dec. 24.
- Pocketknife. G. W. Newman. 2,407,897; Sept. 17.
- Poison gas protection. M. Mendelsohn. 2,396,923; Mar. 19.
- Poisoning composition and method. I. L. Griffin and C. F. Morris. 2,394,683; Feb. 12.
- Polarizer and manufacture, Light. H. G. Rogers. 2,398,506; Apr. 16.
- Polarizers, Manufacturing coated light. C. E. Barnes. 2,397,231; Mar. 26.
- Polarizing crystalline formation by transfer and expansion. A. Marks. 2,398,435; Apr. 16.
- Pole. A. E. Brickman. 2,392,222; Jan. 1.
- Pole, Climbing. C. J. Knudsen. 2,392,538; Jan. 8.
- Pole construction for drying machines, Expandable. R. C. Parkes. 2,398,190; Apr. 9.
- Pole, Fish. R. T. Makie. 2,394,706; Feb. 12.
- Pole, Lumbering. E. C. Christensen. 2,409,662; Oct. 22.
- Polemethine dyestuffs. J. D. Kendall and H. D. Edwards. 2,412,816; Dec. 17.
- Polish compositions. B. W. Howk, J. R. Roland, and H. H. Hoehn. 2,409,683; Oct. 22.
- Polish, Remover, Cream nail. D. E. Francisco. 2,393,864; Jan. 29.
- Polisher, Bowling ball. L. Cloutier. 2,405,344; Aug. 6.
- Polishes and making them. H. E. Wassell. 2,395,025; Feb. 19.
- Polishing composition. B. C. Van Valkenburgh. 2,393,844; Jan. 29.
- Polishing material and making same. F. L. Turbett. 2,396,398; Mar. 12.
- Polishing material and preparing same. W. T. Maloney. 2,399,237; Apr. 30.
- Polyamide emulsion. R. M. Leekley. 2,405,965; Aug. 20.
- Polyamides and obtaining them. T. L. S. Cairns. 2,393,972; Feb. 5.
- Polyamides, Plasticized. F. C. McGrew. 2,396,715; Mar. 19.
- Polyamines. M. Senkus. 2,393,825; Jan. 29.
- Polyamines and preparing them. M. Senkus. 2,413,248; Dec. 24.
- Polyaminoacetals, Preparation of. W. F. Gresham. 2,409,675; Oct. 22.
- Poly chloroprene composition. G. von Stroh. 2,405,336; Aug. 6.
- Polychloroprene, Plasticized. M. T. Harvey. 2,409,277; Dec. 24.
- Poly-dihydronordicyclopentadienyl ethers. H. A. Bruson. 2,393,610; Jan. 29.
- Polydioxolane, Preparation of. W. F. Gresham. 2,393,910; Feb. 12.
- Polydispersions containing curable synthetic rubber. J. D. Robinson and F. J. Myers. 2,400,054; May 7.
- Polyene compounds, Conjugated fatty. A. Turk and P. D. Boone. 2,405,380; Aug. 6.
- Polyene compounds, Treatment of. A. W. Ralston and O. Turinsky. 2,411,111-13; Nov. 12.
- Polyesters, Manufacture of. J. B. Howard. 2,410,073; Oct. 29.
- Polyesters, Subresinous. M. De Groote and B. Keiser. 2,411,029; Nov. 12.
- Polyethylene film-forming composition. W. L. Alderson, Jr. 2,405,933; Aug. 20.
- Polyethylene, Halogenated. A. McAlevy. 2,405,971; Aug. 20.
- Polythionated cycloparaffins and producing them. J. Harmon. 2,404,374; July 23.
- Polyfluoro carbonyl compounds and their preparation, Saturated. W. E. Hanford. 2,411,158; Nov. 19.
- Polyfluoro organic ethers and their preparation. W. E. Hanford and G. W. Rigby. 2,409,274; Oct. 15.
- Polygonal separable section container. A. P. D. Belanger. 2,403,901; July 16.
- Polyhalogenated straight-chain aliphatic carboxylic acid halides, Making. C. W. Theobald. 2,411,982; Dec. 3.
- Polyharmonic damper, Self-tuning. G. A. Rubinsow. 2,398,722; Apr. 18.
- Polyhydric phenol-acetone-formaldehyde products and making same. J. B. Rust and F. A. Hessel. 2,398,331; Apr. 9.
- Polyhydroxy compounds, Production of. J. F. Walker. 2,400,724; May 21.
- Polyhydroxyamino compounds. J. S. Pierce and J. H. Woltz. 2,408,096; Sept. 24.
- Polymer composition, Extrudable. R. M. Thomas and F. P. Baldwin. 2,399,262; Apr. 30.
- Polymer compositions and their preparation. W. H. Charcl. 2,404,728; July 23.
- Polymer layers, Production of. K. Thinius. 2,396,621; Mar. 12.
- Polymer, Polysulphide. L. L. Ryden. 2,406,260; Aug. 20.
- Polymer products. V. L. Hansley. 2,404,716; July 23.
- Polymer products. R. C. Houtz. 2,404,720; July 23.
- Polymer products. G. H. Latham. 2,404,714; July 23.
- Polymer products and producing same. R. C. Houtz. 2,404,721; July 23.
- Polymer reforming. M. H. and E. Gorin. L. G. Sharp, and I. H. Wellnsky. 2,401,865; June 11.
- Polymer slurry process. J. R. Brown, Jr., and I. E. Light-bown. 2,403,966; July 16.
- Polymer solutions. A. O. Rogers. 2,404,715; July 23.
- Polymer solutions. A. O. Rogers. 2,404,725; July 23.
- Polymer solutions, Acrylonitrile. R. C. Houtz. 2,404,722; July 23.
- Polymer solutions, Preparation of. R. R. Merner. 2,404,723; July 23.
- Polymer, Terpene. J. N. Borglin. 2,405,558; Aug. 13.
- Polymer, W. H. Shurcliff. 2,396,206; Mar. 5.
- Polymeric cellulose structure and making same. H. E. Woodward. 2,397,454; Mar. 26.
- Polymeric compounds, Production of. H. Dreyfus. 2,392,131-2; Jan. 1.

- Polymeric materials. A. W. Larchar. 2,412,993; Dec. 24.
- Polymeric materials. E. L. Martin. 2,409,948; Oct. 22.
- Polymeric materials. W. W. Prichard. 2,395,642; Feb. 26.
- Polymeric materials with dithioglycidol. Treatment of. W. A. Lazier and F. K. Signaigo. 2,396,957; Mar. 19.
- Polymeric products and preparation of same. R. R. Dreisbach. 2,398,736; Apr. 16.
- Polymeric solutions, Preparing. T. G. Finzel. 2,404,728; July 23.
- Polymeric solutions, Preparing. R. C. Houtz. 2,404,713; July 23.
- Polymerization. J. W. Brooks, A. A. O'Kelly and R. H. Work. 2,409,248; Oct. 15.
- Polymerization catalyst. M. D. Peterson. 2,391,920; Jan. 1.
- Polymerization in aqueous emulsion. C. F. Fryling. 2,392,585; Jan. 8.
- Polymerization of butadienes. G. P. Mack. 2,398,105; Apr. 9.
- Polymerization of butadiene-1,3 hydrocarbons. C. F. Fryling. 2,401,346; June 4.
- Polymerization of ethylene with other polymerizable substances. W. E. Hanford and J. R. Roland. 2,402,136; June 18.
- Polymerization of maltose. G. J. Leuck. 2,400,423; May 14.
- Polymerization of methylalcohol. H. F. Pfann and E. L. Kropp. 2,401,959; July 11.
- Polymerization of olefins to oily polymers. A. B. Hersberger. 2,401,933; July 11.
- Polymerization of propylene. D. E. Burney, E. L. d'Ouville, and C. M. Hull. 2,397,945; Apr. 9.
- Polymerization of propylene. C. S. Kuhn, Jr. 2,400,520; May 21.
- Polymerization of vinyl acetate. J. O. White. 2,401,445; June 4.
- Polymerization process. J. W. Brooks, A. A. O'Kelly and E. H. Work. 2,409,247; Oct. 15.
- Polymerization process. W. J. Sparks and A. H. Gleason. 2,411,599; Nov. 26.
- Polymerization process. H. D. Wilde. 2,405,480; Aug. 6.
- Polymerization process. Solution. J. F. Nelson and A. B. Small. 2,400,129; May 14.
- Polymerization product and producing same. Rubberlike. C. A. Thomas. 2,398,976; Apr. 23.
- Polymerization product of dicarboxylic compounds and vinyl compounds. Conjoint. H. L. Gerhart. 2,392,139; Jan. 1.
- Polymerization products from aromatic carbonyl compounds and aromatic vinyl compounds. U. Hoffmann and H. Meis. 2,404,711; July 23.
- Polymerization products. Recovery of low temperature. E. M. Thomas and D. C. Field. 2,408,007; Sept. 24.
- Polymerizing apparatus and method. H. G. Rogers. 2,406,403; Aug. 27.
- Polymers. D. D. Coffman. 2,399,626; May 7.
- Polymers and making them. Fiber-forming. R. E. Christ. 2,396,249; Mar. 12.
- Polymers. Cured. J. P. Haworth. 2,393,321; Jan. 22.
- Polymers. Dissolving of. R. C. Houtz. 2,404,718; July 23.
- Polymers. Dissolving of. R. C. Houtz. 2,404,727; July 23.
- Polymers. Manufacture of. E. V. Murphree, W. W. Waterman, and A. D. Green. 2,395,901; Mar. 5.
- Polymers of alkyl acrylate and resulting product. Forming. F. C. Atwood. 2,400,477; May 21.
- Polymers of ethylene and haloxy compounds and their preparation. W. E. Hanford and J. R. Roland. 2,409,679; Oct. 22.
- Polymers of 1-carbalkoxybutadienes-1,3 and making same. H. Gudgeon and R. Hill. 2,395,812; Mar. 5.
- Polymers of unsaturated compounds and producing same. E. L. Kropp. 2,409,633; Oct. 22.
- Polymers. Preparation of ethylene. N. W. Krase and A. E. Lawrence. 2,396,791; Mar. 19.
- Polymers. Preparing solutions of. R. C. Houtz. 2,404,724; July 23.
- Polymers. Producing elastic. F. C. Atwood and H. A. Hill. 2,398,539; Apr. 16.
- Polymers. Production of. A. D. Green. 2,401,754; June 11.
- Polynuclear aromatic hydrocarbons. Manufacture of. J. E. Schulze. 2,403,127; July 2.
- Polyisiloxane resins, Preparing. J. Marsden. 2,406,621; Aug. 27.
- Polystyrene-type resins plasticized with high boiling fatty acid alkyl esters. F. J. Soday. 2,413,258; Dec. 24.
- Polytetrafluoroethylene. Obtaining decolorized. R. M. Joyce, Jr. 2,392,389; Jan. 8.
- Polynunsaturated esters with polythiols and products produced thereby. Treatment of. W. J. Burke. 2,411,954; Dec. 3.
- Polyvinyl acetal composition. F. A. Bent and K. E. Marple. 2,400,333; May 14.
- Polyvinyl acetal maleates and making same. F. E. Wilson, G. J. Esselen, and G. F. d'Alieio. 2,613,276; Dec. 24.
- Polyvinyl acetal, Plasticized. M. O. Debacher. 2,409,548; Oct. 15.
- Polyvinyl acetal plasticized with a diglycerol ether. F. A. Bent and K. E. Marple. 2,393,513; Jan. 22.
- Polyvinyl acetal resins, Manufacture of. G. S. Stamatoff. 2,400,957; May 28.
- Polyvinyl acetal resins, Stabilization of. F. Groff. 2,399,041; Jan. 1.
- Polyvinyl acetal stabilization. F. W. Cox. 2,396,556; Mar. 12.
- Polyvinyl acetal, Stabilization of. F. W. Cox. 2,396,557; Mar. 12.
- Polyvinyl acetals, Stabilized. F. W. Cox. 2,396,555; Mar. 12.
- Polyvinyl alcohol composition. C. Dangelmaier. 2,408,377; Oct. 1.
- Portals. Alcohol compositions to other materials, Adhering of. C. A. Porter. 2,408,682; Oct. 1.
- Polyvinyl alcohol threads, Manufacture of. D. L. Wilson. 2,399,970; May 7.
- Polyvinyl chloride composition. F. A. Bent and K. E. Marple. 2,393,512; Jan. 22.
- Pontoon. L. N. Bell and R. R. and H. E. Harris. 2,401,453; June 4.
- Pontoon, Collapsible salvage. J. A. Cook. 2,413,313; Dec. 31.
- Portoon construction, Dry dock. F. R. Harris. 2,412,578; Dec. 17.
- Pontoon, Metal. G. G. Greulich. 2,394,764; Feb. 12.
- Pontoon metering valve and combination. J. A. Cook. 2,412,205; Dec. 10.
- Pontoon structure for airplanes. E. Weissman. 2,412,703; Dec. 17.
- Pool and reservoir, Terraced combination. S. E. Test. 2,406,413; Aug. 27.
- Pool hall rack or frame. M. Volpe. 2,405,677; Aug. 13.
- Pools, Disinfecting system for swimming. I. B. Romans. 2,405,439; May 14.
- Poppet valve and guide assembly. W. D. Appel. 2,411,844; Dec. 3.
- Porcelain enameled products, Joinder of. W. W. Higgins. 2,403,079; July 2.
- Porcelain pipe. R. L. McCoy. 2,406,235; Aug. 20.
- Porous articles. Method and apparatus for producing. T. A. Teegrotenhuis. 2,395,920; Mar. 5.
- Porous compositions. H. A. Gardner. 2,394,993; Feb. 19.
- Porous compositions. H. A. Gardner. 2,398,703; Apr. 16.
- Porous metal parts, Impregnating. R. R. Bourne. 2,401,221; May 28.
- Portable apparatus. R. C. Blauvelt. 2,406,583; Aug. 27.
- Portable bottle carrier. S. R. Koolin. 2,397,549; Apr. 2.
- Portable crane. J. E. Tom. 2,394,217; Feb. 5.
- Portable display table. H. G. Trefry. 2,400,320; May 14.
- Portable electric drill. R. Happe and E. P. Turner. 2,396,007; Mar. 5.
- Portable electric heater. J. J. Gough. 2,410,211; Oct. 29.
- Portable electric tool. R. Happe. 2,405,827; Aug. 13.
- Portable engine. P. Altman. 2,410,143; Oct. 29.
- Portable excavating and ejecting machine. F. G. Hehr. 2,413,561; Dec. 31.
- Portable fluorescent lamp. M. B. Beck. 2,413,599; Dec. 31.
- Portable heater. H. B. Holthhouse. 2,396,657; Mar. 19.
- Portable heater. T. F. Spackman. 2,403,155; July 2.
- Portable lamp. R. Popp. 2,413,517; Dec. 31.
- Portable-motor driven tool. R. L. Miller and M. Bartz. 2,411,584; Nov. 26.
- Portable projection screen. J. L. Stableford. 2,395,304; Feb. 19.
- Portable radial drill apparatus. C. A. Snyder. 2,392,070; Jan. 1.
- Portable sportsman's seat. H. V. Pruder. 2,394,203; Feb. 5.
- Portable traffic signal. P. L. B. Lange. 2,401,940; June 11.
- Portraying intelligence, Method and apparatus for. H. W. Leverenz. 2,402,762; June 25.
- Position determining system. W. M. Goodall. 2,408,773; Oct. 8.
- Position determining system. S. W. Seeley. 2,405,238-9; Aug. 6.
- Position-indicating system. B. D. Loughlin and J. F. Craib. 2,404,258; July 16.
- Position indicator. R. C. Jewell. 2,405,429; Aug. 6.
- Position indicator. C. D. Wilson. 2,392,209; Jan. 1.
- Position reproducing mechanism. J. D. Tear. 2,405,006; July 30.
- Position tracking, transmitting, and recording. C. G. Dunn and W. J. Tollington. 2,413,300; Dec. 31.
- Positioner for bearings, Lock-ring. R. R. Beezley. 2,393,735; Jan. 29.
- Positioner, Work. E. V. Cullen. 2,396,161; Mar. 5.
- Positioning and holding means for apertured members, Temporary. F. E. Johnson. 2,398,644; Apr. 16.
- Positioning and supporting device for car couplers. G. G. Gilpin. 2,404,285; July 16.
- Positioning device. H. H. Gilbert. 2,400,501; May 21.
- Positioning system, Electrical. G. H. Phelps. 2,409,895; Oct. 22.
- Positive relay. F. D. Joesting. 2,394,186; Feb. 5.
- Post, Clothes line. J. O. Swanson. 2,399,070; Apr. 23.
- Post construction, Making wooden. A. B. Lank. 2,406,387; Aug. 27.
- Post driver, Tractor operated. A. F. Pfingsten. 2,407,444; Sept. 10.

- Post, Fence. J. F. Smith. 2,401,978; June 11.
Post, Highway traffic. R. E. L. Maxey. 2,410,228; Oct. 29.
Post, Louver. G. Allen. 2,397,458; Apr. 2.
Post setting apparatus. A. R. Griffith. 2,402,393; June 18.
Posting machine. C. Wittenmeyer. 2,404,264; July 16.
Posture correcting device. I. Oleisky. 2,395,936; Mar. 5.
Pot burner. F. H. Schneider. 2,395,765; Feb. 26.
Pot, Cinder. W. Johnston, Jr. 2,406,980; Aug. 27.
Potassium chloride and magnesium. Production of. L. C. Sturbelle. 2,394,570; Feb. 12.
Potassium pentaborate. Manufacturing. F. H. May. 2,395,566; Feb. 26.
Potassium tetraborate. Manufacturing. F. H. May and H. B. Suhr. 2,395,567; Feb. 26.
Potato-planting machine. I. Pomieranec. 2,397,691; Apr. 2.
Potato products and making. Sweet. L. M. Ware, H. Harris, and W. A. Johnson. 2,401,392; June 4.
Potatoes. Peeling. R. W. Miller and O. W. Andrews. 2,399,282; Apr. 30.
Potentiometer device. R. F. Mallina. 2,403,989; July 16.
Pottery machine. W. J. Miller. 2,399,659; May 7.
Potteryware. Apparatus for use in manufacturing. W. J. Miller. 2,402,656; June 25.
Potteryware. Method and apparatus for appendaging. W. J. Miller and A. J. Reek. Re. 22,823; Dec. 24.
Potteryware. Method and apparatus for appendaging. W. J. Miller and A. J. Reek. 2,410,123; Oct. 29.
Pouch, Tobacco. A. W. Richens. 2,396,437; Mar. 12.
Poultry feeder. J. J. Carmo. 2,412,951; Dec. 24.
Poultry feeder. C. E. Hedrick. 2,397,484; Apr. 2.
Poultry feeder. E. R. Holley. 2,411,281; Nov. 8.
Poultry feeder. H. Niere. 2,406,432; Aug. 27.
Poultry feeder. R. T. Payne. 2,408,477; Oct. 1.
Powder. Controlling flow of. E. D. Reeves. 2,392,765; Jan. 8.
Powder from wheat, wood pitch and resin, and making. Thermosetting molding. C. L. Dixon. 2,407,225; Sept. 10.
Powder metallurgy. H. A. Toulmin, Jr. 2,393,130; Jan. 15.
Powder, Producing iron. W. J. Kroll. 2,413,411; Dec. 31.
Powders containing pelargonic esters. Propellent. G. Barsky. 2,396,074; Mar. 5.
Powders. Surface coated propellent explosive. T. Thomson. 2,407,967; Sept. 17.
Power apparatus for driving loads at variable speeds. L. A. Trofimov. 2,397,062; Mar. 19.
Power boost. E. R. Boynton and H. W. Avery. 2,393,585; Jan. 29.
Power cable Skinner. Portable. E. E. Shaver. 2,396,442; Mar. 12.
Power chain saw frame and joining block therefor. A. B. Myers. 2,405,365; Aug. 6.
Power computer. L. W. Imm. 2,394,180; Feb. 5.
Power control. G. M. Holley, Jr. 2,407,078; Sept. 3.
Power control. C. F. Schorn. 2,412,360; Dec. 10.
Power control for aircraft engines. S. V. Maddox. 2,398,586; Apr. 16.
Power control for articulated beds. C. Drexler and R. H. Morgan. 2,397,092; Mar. 26.
Power control. Gun turret. G. W. Pontius, III. A. P. Wilson, and F. V. Kuznitz. 2,404,090; July 16.
Power control unit. N. V. Kuehlman. 2,396,858; Mar. 19.
Power-driven gun with automatically positioned sight. J. D. Teer. 2,405,095; July 30.
Power factor meter. N. P. Millar. 2,402,904; June 25.
Power intensifier valve. E. A. Rockwell. 2,398,252; Apr. 9.
Power lift mechanism. W. H. Silver. 2,412,362; Dec. 10.
Power lifting apparatus. L. B. Ross. 2,394,809; Feb. 12.
Power means for road pugs. Martin and W. M. Madsen. 2,397,613; Apr. 2.
Power measurement. Ultra high frequency. C. C. Wang. 2,398,608; Apr. 16.
Power-operated devices, Locking means for. A. A. Quimper. 2,398,037; Apr. 9.
Power operated typewriting machine. G. F. Handley. 2,411,496; Nov. 19.
Powerplant. F. C. Reggio. 2,403,399; July 2.
Power plant. Airplane. V. H. Pavlecka and J. K. North. 2,409,446; Oct. 15.
Power plant arrangement. Aircraft. C. T. Torresen. 2,409,323; Oct. 15.
Power-plant assembly and control. H. F. Hanson and J. W. Morrow. 2,404,960; July 30.
Power plant construction. W. A. Ledwith. 2,411,887; Dec. 3.
Power plant for airplanes. A. P. E. and R. J. H. Planiol. 2,411,227; Nov. 19.
Power plant. Gas turbine. A. J. Larreq. 2,399,046; Apr. 23.
Power plant. Gas turbine. A. H. Morey and A. Howard. 2,403,388; July 2.
Power plant. Marine. R. Strub. 2,405,676; Aug. 13.
Power plant mounting and method. J. P. Butterfield, D. M. Borden, and F. R. Vogt. 2,393,141; Jan. 15.
Power plant. Thermal. F. Salzmann. 2,404,743; July 23.
Power plant. Wind. T. E. Law. 2,409,439; Oct. 15.
Power press. E. Kann. 2,411,543; Nov. 26.
Power production in combustion turbines. Improving. J. Kreitzer and P. Nettel. 2,407,185; Sept. 3.
Power system. M. A. Edwards. 2,393,619; Jan. 29.
Power take-off for tractors. C. E. Everett. 2,399,795; May 7.
Power take-off through tractor steering column. C. R. Hagen. 2,399,733; May 7.
Power take-off unit. B. W. Keese. 2,410,077; Oct. 29.
Power transmission. A. L. Ellis. 2,402,742; June 25.
Power transmission. A. L. Ellis. 2,403,913; July 16.
Power transmission. A. L. Ellis. 2,413,301; Dec. 31.
Power transmission. M. R. Fox. 2,392,471; Jan. 8.
Power transmission. D. B. Gardiner. 2,403,519; July 9.
Power transmission. H. W. Giffilan and E. L. Bailey. 2,409,557; Oct. 15.
Power transmission. K. R. Herman, J. Robinson, and J. D. Dietiker. 2,403,924; July 16.
Power transmission. J. F. Jeannin. 2,401,587; June 4.
Power transmission. L. E. LaBrie. 2,407,289; Sept. 10.
Power transmission. J. A. Martin. 2,404,309; July 16.
Power transmission. B. L. Readman and R. A. Shartie. 2,392,504; Jan. 8.
Power transmission. J. Robinson. 2,412,835; Dec. 17.
Power transmission. E. L. Rose, R. L. Tweedale, W. Thomas, and E. M. Frankland. 2,402,777; June 25.
Power transmission. R. L. Tweedale. 2,402,789; June 25.
Power transmission. H. F. Vickers. 2,413,393; Dec. 31.
Power transmission. D. A. Wallace and E. C. Lee. 2,404,451; July 16.
Power transmission apparatus. G. Wallach. 2,410,137; Oct. 29.
Power transmission device. F. W. Avila. 2,410,921; Nov. 12.
Power transmission device. P. G. Frazier. 2,398,300; Apr. 9.
Power transmission mechanism. M. L. Forrest. 2,397,312; Mar. 26.
Power transmission mechanism. T. W. Millns. 2,411,101; Nov. 12.
Power transmission member. Flexible. S. Pile. 2,401,100; May 28.
Power transmission pump. B. J. Wilson. 2,411,606; Nov. 26.
Power transmission system. A. R. Stone. 2,391,930; Jan. 1.
Power transmission. Two-speed. C. A. Lucas. 2,392,250; Jan. 1.
Power transmitting means. G. R. Pennington. 2,397,368; Apr. 26.
Power transmitting mechanism. J. E. De Baum. 2,392,904; Jan. 15.
Power unit. F. P. Gerhardt. 2,398,221; Apr. 9.
Power unit. E. E. Hetteen. 2,411,038; Nov. 12.
Power unit. V. C. Kennedy. 2,406,150; Aug. 20.
Power unit. E. A. Rockwell. 2,405,892; Aug. 13.
Power unit. E. F. Thornton. 2,406,269; Aug. 20.
Power unit for reeling cable or wire. H. M. Jensen. 2,412,508; Dec. 10.
Power unit for traveling cranes. G. A. Mitchell. 2,406,889; Sept. 3.
Power unit. Gear. J. K. Morris. 2,398,841; Apr. 23.
Power unit-handle cooling. Portable. P. Altman. 2,410,142; Oct. 29.
Power unit. Hydraulic. C. J. Reimuller. 2,398,558; Apr. 16.
Power unit. Jet propulsion. A. J. Rowledge and T. Shelley. 2,400,714; May 21.
Power units for amusement devices and the like. C. E. Short and E. M. Brown, Jr. 2,398,471; Apr. 16.
Precision castings, Making. S. M. Stoddy and R. L. Abos. 2,392,510; Jan. 8.
Precision drawing. Device for. O. C. Hedin. 2,397,109; Mar. 26.
Precision pressure measuring press. O. M. Summers. 2,399,404; Apr. 30.
Precision surfaces. Polishing. W. J. Dykoski and L. F. Egan. 2,395,628; Apr. 16.
Precombustion cracking process. D. E. Carr. 2,399,540; Apr. 30.
Predetermining device. Automatic. W. H. Marsh and E. Thoresen. 2,405,589; Aug. 13.
Prediction apparatus. W. T. White. 2,404,011; July 16.
Predictor. Artillery. C. A. Lovell, D. B. Parkinson, K. D. Swartzel, Jr., and B. T. Weber. 2,408,081; Sept. 24.
Prefabricated ceramic combustion chamber. F. Christenson. 2,392,121; Jan. 1.
Preheat system. Carburetor. F. C. Melchior. 2,407,719; Sept. 17.
Preheater. N. A. Arvins and A. A. Arvintz. 2,396,235; Mar. 12.
Preheater for fats. E. W. Pitman. 2,396,748; Mar. 19.
Preheater for furnaces and the like. Air. M. Steuerman. 2,409,451; Oct. 15.
Preheater for pulverizing mills. Air. R. S. Cooper and S. Holm. 2,410,337; Oct. 29.
Preheating device. Fuel. L. W. Beaven. 2,399,783; May 7.
Preparation of chemical cellulose for esterification. D. J. Kridel. 2,393,783; Jan. 29.
Preparation of chloronitroalkanes. S. P. Lingo. 2,397,358; Mar. 26.

- Preparation of fluorohydrocarbons. G. M. Whitman. 2,401,850; June 11.
- Preparation of isobutane and ethyl chloride. D. C. Bond and N. B. Russell. 2,392,454; Jan. 8.
- Preparation of laminating fabric. A. Lyem. 2,409,703; Oct. 22.
- Preparation of *n*-methyl-*p*-aminophenol. F. R. Bean. 2,397,911; Apr. 9.
- Preparation of nitrolic acids and pseudonitroles. E. M. Nygaard. 2,401,269; May 28.
- Preparation of tetrafluoroethylene. A. F. Benning, F. B. Downing, and R. J. Plunkett. 2,401,897; June 11.
- Prescription blanks. Producing. A. C. McCrum. 2,405,972; Aug. 20.
- Preselecting and control apparatus, Program. F. H. Owens. 2,403,454; July 9.
- Preselecting mechanism. E. J. Mastney and J. H. Williams. Re. 22,790; Sept. 10.
- Preselecting mechanism, Torque. W. P. Lear. 2,403,094; July 2.
- Preselector apparatus. H. F. Elliott. 2,411,780; Nov. 26.
- Preservative composition. E. F. Hill. 2,392,987; Jan. 15.
- Preservative compositions, Coating with. E. R. Littman and J. R. M. Klotz. 2,399,873; May 7.
- Preserving. J. M. Jackson. 2,396,263; Mar. 12.
- Press: 806.
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|------------------------------------|-------------------------------------|
| Briquetting press. | Power press. |
| Capacity controlled textile press. | Precision pressure measuring press. |
| Cupping press. | Printing press. |
| Cutting and creasing press. | Progressive drawing press. |
| Detonator loading press. | Punch press. |
| Drawing press. | Rotary printing press. |
| Extrusion press. | Scrap metal baling press. |
| Fluid press. | Sensitive drill press. |
| Forging press. | Shear press. |
| Glass press. | Sheet cutting and creasing press. |
| Honey press. | Shoe press. |
| Horizontal injection press. | Thermopressure gluing press. |
| Hydraulic press. | Upward acting molding press. |
| Mechanical drawing press. | Work straightening press. |
| Metalworking press. | |
| Molding and gluing press. | |
| Molding press. | |
| Photograph and letter press. | |
- Press. H. V. Allison. 2,407,123; Sept. 3.
- Press. J. P. Barbour. 2,409,824; Oct. 22.
- Press. F. A. Brandes. 2,399,198; Apr. 30.
- Press. A. A. Eyerlein. 2,403,339; July 2.
- Press. L. F. Day. 2,408,379; Oct. 1.
- Press. L. B. Hooper. 2,401,302; June 4.
- Press. W. Wilson. 2,395,083; Feb. 19.
- Press and converter means. Combined printing. M. Lipton. 2,409,368; Oct. 15.
- Press control. L. S. Hubbard. 2,408,312; Sept. 24.
- Press dog. Baling. F. E. Deems. 2,392,465; Jan. 8.
- Press for aircraft propellers and the like, Straightening. W. C. Edwards, Jr., and R. P. Elam. 2,393,317; Jan. 22.
- Press for trim tile, Mechanically-actuated. R. List and A. Flynn. 2,406,619; Aug. 27.
- Press molding machine. C. W. McCreery. 2,393,549; Jan. 22.
- Press operating device. F. A. Doll. 2,403,912; July 16.
- Press structure, Cylindrical. J. A. Muller. 2,403,822; July 9.
- Press system, Hydraulic. W. Ernst. 2,411,716; Nov. 26.
- Press system, Hydraulic. W. T. Stephens. 2,407,855; Sept. 17.
- Presser for sewing machines, Electric hem. M. R. Little. 2,406,022; Aug. 20.
- Presses. Control for power. W. F. Gayring. 2,400,639; May 21.
- Presses, Safety device for fluid power operated. H. L. Carlyle. 2,400,486; May 21.
- Presses, Stop motion mechanism for die. J. Simpson. 2,402,687; June 25.
- Pressing apparatus. F. S. Carver. 2,404,165; July 16.
- Pressing apparatus. B. A. Evans. 2,396,042; Mar. 5.
- Pressing apparatus, Fabric. J. E. Preston. 2,398,325; Apr. 9.
- Pressing, deaerating, and drying, Method and apparatus for. C. W. Williams. 2,397,827; Apr. 2.
- Pressing device. J. C. Mohr. 2,395,898; Mar. 5.
- Pressing heads for pressing machines and their manufacture. F. C. Lornitzo. 2,393,697; Jan. 29.
- Pressing machine. F. J. Couch. 2,396,942; Mar. 19.
- Pressing machine, Cabinet enclosed. W. F. Gayring. 2,400,628; May 21.
- Pressing machine, Shirt body. F. J. Couch. 2,395,466; Feb. 26.
- Pressing machine, Sole. C. F. Fitzgerald. 2,406,753; Sept. 3.
- Pressure actuated electrical switch. H. G. Leopold. 2,411,796; Nov. 26.
- Pressure actuated sprinkler valve. H. N. Rider. 2,398,461; Apr. 16.
- Pressure actuated switch. A. T. Newell. 2,391,916; Jan. 1.
- Pressure actuated valve. H. B. Schultz. 2,410,751; Nov. 5.
- Pressure actuating system, Combined air hydraulic. S. Schnell. 2,405,759; Aug. 13.
- Pressure apparatus. E. Orshansky, Jr. 2,393,558; Jan. 22.
- Pressure atomizing oil burner. J. A. Logan. 2,411,048; Nov. 12.
- Pressure control. L. C. Hufford. 2,402,284; June 18.
- Pressure control apparatus. R. R. McIntosh. 2,395,973; Mar. 5.
- Pressure control system, Fluid. W. A. Eaton. 2,400,688; May 21.
- Pressure controlling mechanism, Cabin. L. A. Maxson. 2,413,027; Dec. 24.
- Pressure cushion device, Air and fluid. H. L. Cook. 2,410,716; Nov. 5.
- Pressure device, Fluid. F. W. Guibert and F. B. Fuller. 2,407,698; Sept. 17.
- Pressure exchanger. C. Seippel. 2,399,394; Apr. 30.
- Pressure fluid clutch. F. L. White and L. O. McLean. 2,395,239; Feb. 19.
- Pressure fluid driven tool. R. R. Butts. 2,413,542; Dec. 31.
- Pressure fluid follow-up motor. A. Spencer and J. H. Abbinck-Spauk. 2,412,366; Dec. 10.
- Pressure gauge. F. W. Dwyer. 2,411,508; Nov. 26.
- Pressure gluing without retaining clamps, Cold. H. Galber and J. Colick. 2,402,492; June 18.
- Pressure in silencers, Reducing back. J. P. Tyskewicz. 2,413,086; Dec. 24.
- Pressure intensifying mechanism. S. Smith and W. H. Cockerill. 2,396,539; Mar. 12.
- Pressure lubrication system. T. Clark, E. V. Windsor, and L. Hart. 2,408,914; Oct. 8.
- Pressure measurement, Device and system for. C. A. Green. 2,398,372; Apr. 16.
- Pressure measurement, Vapor. C. W. Hewlett. 2,413,565; Dec. 31.
- Pressure producing device, Fluid. R. R. Gunderson. 2,408,513; Oct. 1.
- Pressure producing device, Fluid. L. E. LaBrie. 2,410,169; Oct. 25.
- Pressure-regulating system. D. M. Lawrence. 2,402,499-500; June 18.
- Pressure regulator and composite gauge therefor. G. M. Deming. 2,394,957; Feb. 19.
- Pressure regulator valve. J. E. Dube. 2,401,144; May 28.
- Pressure relief valve. A. Crost. 2,399,328; Apr. 30.
- Pressure relief valve. E. R. Williams. 2,407,754; Sept. 17.
- Pressure responsive device, Fluid. A. C. Ruge. 2,400,467; May 14.
- Pressure responsive device, Multiple. G. P. Bosomworth and D. C. Milner. 2,393,503; Jan. 22.
- Pressure responsive microswitch. J. H. Leslie, II. 2,411,577; Nov. 26.
- Pressure sealing joint. J. C. Hobbs. 2,391,900; Jan. 1.
- Pressure sealing means. R. L. Skinner. 2,404,664; July 23.
- Pressure sensitive products. J. A. Mitchell. 2,395,419; Feb. 26.
- Pressure switch. L. Beeman. 2,393,455; Jan. 22.
- Pressure switch. R. G. Holt. 2,405,142; Aug. 6.
- Pressure switch. M. W. Huber. 2,404,843; July 30.
- Pressure switch. R. W. Muerle. 2,412,095; Dec. 3.
- Pressure system, Auxiliary fluid. B. R. Pool. 2,406,510; Aug. 27.
- Pressure unit. C. D. Burbank and T. Harry, Jr. 2,396,823; Mar. 19.
- Pressure-vacuum apparatus. L. T. Ward. 2,401,849; June 11.
- Pressured fluid pump or motor. R. J. Woods. 2,392,279; Jan. 1.
- Prestressed steel pipe. J. E. Miller and P. L. Osweller. 2,401,092; May 28.
- Prevention and removal of ice or frost on aircraft parts. F. R. Griffith and J. L. Orr. 2,406,367; Aug. 27.
- Prewelt cementing and forming machine. E. A. Holmgren. 2,392,849; Jan. 15.
- Prewelt shoes, Method and machine for making. E. Quine and I. Hershey. 2,407,903; Sept. 17.
- Price mark, Adjustable. A. Sommerville. 2,401,843; June 11.
- Priesnitzt compress. P. Schlumbohm. 2,393,446; Jan. 22.
- Prime mover. G. W. Walton. 2,410,538; Nov. 5.
- Primer composition. G. U. Graft. 2,395,045; Feb. 19.
- Primer, Filling. F. H. Coleman. 2,395,104; Feb. 19.
- Printer, Collapsible contact. W. U. Zeller. 2,404,821; July 30.
- Printer, Photographer. F. T. Sonne and V. Sussin. 2,394,817; Feb. 12.
- Printer, Postcard. C. D. Ryan, F. P. Sager and E. R. Bergmark. 2,412,472; Dec. 10.
- Printer, Stereoscopic. A. Ringer. 2,393,567; Jan. 22.
- Printer, Telegraph. R. F. Dirkes, T. E. Melick, and V. R. Kinnh. 2,392,369; Jan. 8.
- Printer's line-up table. J. West and W. M. Davis. 2,399,610; Apr. 30.
- Printer's line-up table. J. West and W. M. Davis. 2,410,559; Nov. 5.
- Printing. W. C. Huebner. 2,408,144; Sept. 24.
- Printing and crimping, Sheet. A. L. Hess. 2,400,991; May 28.

- Printing apparatus. J. B. Cotner. 2,412,252; Dec. 10.
 Printing apparatus, Screen color. H. Fleischer. Re. 22,722; Feb. 19.
 Printing apparatus, Telegraphic. C. J. Fitch. 2,405,297; Aug. 6.
 Printing apparatus, Textile. A. S. Jones. 2,410,415; Nov. 5.
 Printing machine. F. E. Curtis. 2,392,082; Jan. 1.
 Printing machine. J. H. Friden. 2,399,630; May 7.
 Printing machine. F. L. Fuller. 2,408,622; Oct. 1.
 Printing machine. W. T. Gollwitzer. 2,405,786; Aug. 13.
 Printing machine. C. D. Ryan, F. J. Dempsey, F. A. Straub, and B. S. Tyler. 2,406,040; Aug. 20.
 Printing machine, Address. J. Kreil. 2,394,312; Feb. 5.
 Printing machine, Multicolor. A. M. Zuckerman. 2,400,966; May 28.
 Printing machine, Stencil. L. G. Kenney. 2,398,379; Apr. 16.
 Printing machines. W. T. Gollwitzer. 2,410,935; Nov. 12.
 Printing machines, Calculating and controlling line. G. L. Morrison. 2,400,567; May 21.
 Printing machines, Delivery mechanism for. J. H. Edwards. 2,403,062; July 2.
 Printing means. G. W. Darenberg. 2,400,632; May 21.
 Printing mechanism. J. F. Jirousek. 2,398,832; Apr. 23.
 Printing mechanism. R. E. Paris. 2,398,036; Apr. 9.
 Printing mechanism, Alphabet. M. R. Dilling. 2,399,724; May 7.
 Printing mechanism, Photographic. R. V. Sutherland. 2,402,929; June 25.
 Printing mechanism, Ticket. L. S. Williams. 2,407,522; Sept. 10.
 Printing machines, Etching rotogravure. F. T. Powers. 2,411,109; Nov. 12.
 Printing, Multicolor. A. Murray. 2,405,754; Aug. 13.
 Printing or like purposes, Justification or space-regulating. W. C. Huebner. 2,402,751; June 25.
 Printing plate and making same, Square finish photo-engraved halftone. L. Kern. 2,405,749; Aug. 13.
 Printing plate clamping mechanism. A. Braunworth. 2,409,830; Oct. 22.
 Printing plate means. W. C. Toland. 2,413,664; Dec. 31.
 Printing plate, Photogravure. W. G. Mullen. 2,405,513; Aug. 6.
 Printing plates and repellent solution therefor, Etching and dampening planographic. C. H. Van Dusen, Jr. 2,393,875; Jan. 29.
 Printing press. W. V. Davidson and F. J. Brehman. 2,406,205; Aug. 20.
 Printing press. E. F. Dell. 2,412,132; Dec. 3.
 Printing press. D. W. Schneider. 2,397,053; Mar. 19.
 Printing press. J. D. Tyler. 2,394,235; Feb. 5.
 Printing process. E. Jahoda. 2,412,889; Dec. 17.
 Printing process. E. Jahoda and C. Wittenmyer. 2,393,378; Jan. 22.
 Printing screen. L. B. Corbett. 2,405,291; Aug. 6.
 Printing telegraph apparatus. M. T. Goetz. 2,394,681; Feb. 12.
 Printing telegraph apparatus. R. A. Lake. 2,391,984; Jan. 1.
 Printing telegraph apparatus. D. P. Needham and J. Stuessi. 2,403,296; July 2.
 Printing telegraph apparatus, Selector system for. G. S. Saylor. 2,402,671; June 25.
 Printing, Textile. I. L. Griffin, D. E. Truax, and N. H. Nuttall. 2,401,755; June 11.
 Prints and products, Producing color. L. S. Trimble. 2,396,726; Mar. 19.
 Prism, Optical neutral. G. L. Dimmick. 2,399,860; May 7.
 Prism system, Optical. D. T. Street. 2,410,757; Nov. 5.
 Prisms, Molding. H. G. Rogers and D. P. Cooper, Jr. 2,409,958; Oct. 22.
 Privacy system. R. C. Corderman. 2,401,464; June 4.
 Privacy system. A. C. Dickinson. 2,407,260; Sept. 10.
 Privacy system. D. Mitchell. 2,405,599; Aug. 13.
 Privacy system for speech transmission. N. R. French. 2,406,825; Sept. 3.
 Privacy system, Speech. W. A. MacNair. 2,406,351; Aug. 27.
 Process. J. B. Castner and W. M. Nagle. 2,399,206; Apr. 30.
 Process. M. W. Parlow. 2,406,362; Aug. 27.
 Process. E. W. Flösdorf. 2,396,561; Mar. 12.
 Process. A. A. Pavlic. 2,408,094; Sept. 24.
 Process apparatus, Film. H. Smith, Jr. 2,402,458; June 18.
 Processing apparatus. H. D. Russell and J. I. Crabtree. 2,409,153; Oct. 8.
 Processing by-product soaps for recovery of their acids free from detrimental alcohols, etc. B. M. Weston and F. F. Beall. 2,399,588; Apr. 30.
 Processing machine, Grain. L. E. Egedal. 2,405,561; Aug. 13.
 Processing machine, Grape. G. Monnet. 2,398,440; Apr. 16.
 Processing machine, Heat. V. A. Fox. 2,406,821; Sept. 3.
 Producing elastic fabrics, Method of and apparatus for. M. A. Chavannes. 2,397,538; Apr. 2.
 Producing, Textile fabric. C. M. Croft, W. H. Hindle, and R. W. Pinault. 2,391,950; Jan. 1.
 Product. P. L. Salzberg. 2,407,292; Sept. 10.
 Product for absorption of poisonous gases, Preparing a gel. W. A. Patrick, Jr. 2,400,709; May 21.
 Production control board. F. L. Wassell. 2,412,238; Dec. 10.
 Production lift device. G. A. Humason. 2,397,419; Mar. 26.
 Production of halogenated hydrocarbons. L. Schnerling. 2,399,512; Apr. 30.
 Production of oil solutions of alkaline earth metal sulphates. V. L. Chechot and L. S. Howe. 2,401,614; June 4.
 Production of 2-amino-carboxylic acid nitriles. F. E. Kung. 2,401,429; June 4.
 Products. J. Harmon. 2,396,261; Mar. 12.
 Products derived from blood, Obtaining. H. P. Smith and W. H. Seegers. 2,394,566; Feb. 12.
 Products from furfuryl alcohol and making the same, Resinous. B. W. Nordlander. 2,399,055; Apr. 23.
 Profile grinding machine. H. B. Duncan. 2,394,671; Feb. 12.
 Profiling milling cutter. A. Kutscha. 2,406,780; Sept. 3.
 Program change indicator. R. R. Lynn. 2,410,669; Nov. 5.
 Program instrument. R. L. Lorenz. 2,405,841; Aug. 13.
 Progressing, Self-propelling and control apparatus. F. H. Owens. 2,411,890; Dec. 3.
 Program-scheduling apparatus. H. F. Elliott. 2,410,724; Nov. 5.
 Progressive drawing press. F. J. Rode. 2,394,636; Feb. 12.
 Projectile. G. N. Albree. 2,402,718; June 25.
 Projectile. C. L. Eksbergian. 2,412,134; Dec. 3.
 Projectile. W. H. Farr. 2,402,809; June 25.
 Projectile. C. B. Ferrel. 2,407,264; Sept. 10.
 Projectile. C. A. Martin. 2,393,648; Jan. 29.
 Projectile. E. S. Patch and W. T. Moore. 2,409,307; Oct. 15.
 Projectile. H. F. Rost, P. H. E. Claesson, and R. A. Srenson. 2,412,695; Dec. 17.
 Projectile and making the same. F. R. Hensel and E. I. Larsen. 2,401,483; June 4.
 Projectile cap. A. F. Teitscheid. 2,401,380; June 4.
 Projectile case. J. S. Stewart. 2,396,061; Mar. 5.
 Projectile, Incendiary. C. W. Galen. 2,402,811; June 25.
 Projectile propelled injector. W. H. Tinker. 2,397,385; Mar. 26.
 Projectile, Rocket. C. L. Eksbergian. 2,405,415; Aug. 6.
 Projectile, Self-lubricating and coloring. J. Schreib. 2,398,895; Apr. 23.
 Projectile, Self-propelled. E. F. Chandler. 2,391,865; Jan. 1.
 Projectile, Self-propelling. W. W. Farr. 2,398,927; Apr. 23.
 Projectile, Sound recording. L. A. Elmer and C. A. Lovell. 2,406,816; Sept. 3.
 Projectiles. W. B. Pope. 2,412,173; Dec. 3.
 Projectiles, Spotting. H. J. Nichols. 2,409,380; Oct. 15.
 Projecting and retracting mechanism for an underwater signal source. C. C. Barber. 2,407,240; Sept. 10.
 Projecting motion pictures, Method and apparatus for. F. Waller and W. R. Dresser. 2,392,440; Jan. 8.
 Projection apparatus. H. Osterberg and P. C. Heijn. 2,395,561; Feb. 26.
 Projection apparatus. R. Pechkranz. 2,401,506; June 4.
 Projection apparatus. W. F. Peck. 2,407,511; Sept. 10.
 Projection apparatus for still and for moving pictures, Picture. A. T. Cahill. 2,413,288; Dec. 31.
 Projection apparatus for the creation of illusory effects. R. B. Johnson. 2,412,340; Dec. 10.
 Projection lamp. E. B. Noel. 2,392,828; Jan. 15.
 Projection machine. W. L. Chambers. 2,391,879; Jan. 1.
 Projection picture feeding mechanism. M. E. Blumenstein. 2,412,246; Dec. 10.
 Projector. Catadioptric television. H. F. Bennett. 2,409,771; Oct. 22.
 Projector, Depth charge. W. E. Patrick, Jr., and E. P. Gebhard. 2,399,248; Apr. 30.
 Projector for page printers. W. H. Eddy. 2,403,269; July 2.
 Projector for page printers. R. G. Schuler. 2,403,307; July 2.
 Projector for page printers. W. J. Zenner. 2,403,320; July 2.
 Projector for page printers. W. J. Zenner. 2,405,173; Aug. 6.
 Projector, Microfilm. R. Place. 2,404,189; July 16.
 Projector, Motion picture. R. J. Miller. 2,394,867; Feb. 12.
 Projector, Motion picture. F. Waller. 2,397,713; Apr. 2.
 Projector, Opaque copy. W. E. Schwanhauser. 2,395,975; Mar. 5.
 Projector or hydrophone, Low frequency. W. P. Mason. 2,405,226; Aug. 6.
 Projector, Picture. G. E. Musebeck and F. P. Bennett. 2,405,706; Aug. 13.
 Projector, Ray. H. P. Donle. 2,407,065; Sept. 3.
 Projector stand assembly. L. G. Allison. 2,395,796; Mar. 5.
 Projectors for page printers. R. G. Schuler. 2,405,168; Aug. 6.
 Prolamine composition, Pigmented. J. S. Massarene. 2,396,430; Mar. 12.

- Prolamines, Prevention of gelation of solutions or dispersions of. C. D. Evans and R. H. Manley. 2,392,084; Jan. 1.
- Frang device, Expandible. J. C. Lang. 2,396,276; Mar. 12.
- Propagation device, Wave. W. Shockley and G. W. Willard. 2,407,294; Sept. 10.
- Propane and pentane, Averaging. R. E. Burk. 2,405,994; Aug. 20.
- Propellent charge holder. A. Adelman. 2,412,593; Dec. 17.
- Propeller. A. G. Alizier. 2,411,143; Nov. 19.
- Propeller. P. F. Hacketal. 2,395,867; Mar. 5.
- Propeller. A. A. Handler. 2,394,446; Feb. 5.
- Propeller. H. R. Noyes. 2,403,946; July 16.
- Propeller. B. J. Paulson. 2,413,372; Dec. 31.
- Propeller. J. A. Roché. 2,399,828; May 7.
- Propeller, Aircraft. W. I. Jackson. 2,411,271; Nov. 19.
- Propeller, Airplane. J. E. Bathras. 2,396,811; Mar. 19.
- Propeller and anti-icer therefor. R. S. Johnson. 2,393,472; Jan. 22.
- Propeller and the like, Marine. F. Hudson. 2,400,234; May 14.
- Propeller assembly. C. I. Place. 2,395,193; Feb. 19.
- Propeller blade protective means. W. H. Hunter. 2,401,935; June 11.
- Propeller control. E. Martin. 2,402,065; June 11.
- Propeller, Controllable pitch. W. J. Blanchard, C. S. J. MacNeil, J. F. Haines, and T. B. Martin. 2,405,285; Aug. 6.
- Propeller drive gear. W. G. Lundquist. 2,398,236; Apr. 9.
- Propeller drive, Marine. L. T. Kincannon. 2,402,197; June 18.
- Propeller drive, Opposite rotating. W. G. Lundquist. 2,401,694; June 4.
- Propeller drive with pitch-changing mechanism. J. Ledwinka. 2,409,050; Oct. 8.
- Propeller, Flexible shockproof. J. A. Myers. 2,398,033; Apr. 9.
- Propeller for airplanes, Auxiliary. J. Ernest. 2,403,353; July 2.
- Propeller handling mechanism. H. S. Kittel. 2,395,411; Feb. 26.
- Propeller. Hydraulic compensating. W. S. Hoover. 2,403,592; July 9.
- Propeller joint. J. H. Booth. 2,401,812; June 11.
- Propeller mounting. T. E. Grace. 2,393,158; Jan. 15.
- Propeller planer, Marine. L. C. Burrill. 2,397,917; Apr. 9.
- Propeller shaft housings, Method and apparatus for repairing. T. C. Gerner. 2,405,541; Aug. 6.
- Propeller, Snap-on. W. B. McLean. 2,410,832; Nov. 12.
- Propeller spinner. F. M. Owner. 2,408,677; Oct. 1.
- Propeller, Synchronizing. E. Seppeler. 2,403,243; July 2.
- Propeller system, Dual rotation. R. M. Guecke. 2,406,460; Aug. 27.
- Propeller, Variable pitch. E. A. Briner. 2,405,488; Aug. 6.
- Propeller, Variable pitch. K. B. Gillmore and G. H. F. Brown. 2,407,414; Sept. 10.
- Propeller, Variable pitch. W. W. Squier. 2,392,341; Jan. 8.
- Propeller, Variable pitch. R. Stevenson. 2,412,923; Dec. 17.
- Propeller, Variable pitch air. E. Florian, H. Petersen, and M. Christian. 2,404,703; July 23.
- Propeller with variable pitch. N. Belomo. 2,397,524; Apr. 2.
- Propellers and the like, Machine for making airplane. D. B. Salstrom. 2,400,954; May 28.
- Propellers, Making hollow. A. A. Handler. 2,394,445; Feb. 5.
- Propellers or impellers, Enclosing casing of. R. Poole. 2,393,933; Jan. 29.
- Propelling apparatus for aircraft. R. H. Goddard. 2,397,998-9; Apr. 9.
- Propelling device. M. Falk. 2,404,044; July 16.
- Propelling device for aircraft. Reaction. R. Anxionnaz and R. Imbert. 2,396,911; Mar. 19.
- Propulsion apparatus. S. Way. 2,405,723; Aug. 13.
- Propulsion device, Aircraft. M. L. Donnellan. 2,409,552; Oct. 15.
- Propulsion device for amphibious vehicles. N. Straussler. 2,398,057; Apr. 9.
- Propulsion means. A. G. Forsyth. 2,397,654; Apr. 2.
- Propulsion mechanism, Amphibian. J. M. Hait. 2,404,486-8; July 23.
- Propulsion mechanism, Amphibian. J. M. Hait. 2,404,490; July 23.
- Propulsive apparatus, Turbo-compressor. F. B. Halford. 2,399,865; May 7.
- Prospecting apparatus, Electrical. C. B. Bazzoni and J. W. Millington. 2,408,029; Sept. 24.
- Prospecting method and apparatus, Electrical. J. M. Pearson and C. B. Nichols. 2,401,371; June 4.
- Prospecting method, Geochemical. H. T. Kennedy. 2,406,611; Aug. 27.
- Protecting apparatus, Journal. S. G. Down and F. E. Miller. 2,400,399; May 14.
- Protecting arrangement for thermionic valve circuits. N. H. Clough. 2,397,337; Mar. 26.
- Protecting device for parallel conducting wires. Wear. H. W. Pinkerton. 2,404,088; July 16.
- Protecting origination matter. L. B. Green. 2,408,626; Oct. 1.
- Protecting shields. Eye. A. M. Flocker. 2,410,490; Nov. 5.
- Protecting tube. J. P. Vollrath. 2,405,075; July 30.
- Protection device. Eye. G. H. Schauwecker. 2,407,518; Sept. 10.
- Protection for electron tubes. R. F. Holtz. 2,407,880; Sept. 17.
- Protection means and making the same. Eye. W. J. Joyce. 2,406,608; Aug. 27.
- Protection, Series capacitor. R. E. Marbury. 2,401,009; May 28.
- Protective apparatus. A. R. van C. Warrington. 2,405,084; July 30.
- Protective arrangement. L. W. Foster. 2,400,740; May 21.
- Protective composition and resulting product, Making. J. Shapiro. 2,410,688; Nov. 5.
- Protective device. R. S. Bennett. 2,393,584; Jan. 29.
- Protective device. J. E. Raymond. 2,397,203; Mar. 26.
- Protective device, Excess voltage. S. R. Smith, Jr. 2,404,458; July 4.
- Protective device, Face. F. M. Bowers. 2,397,722; Apr. 2.
- Protective device, Toilet. H. H. Des Roches. 2,404,124; July 16.
- Protective means, Eye. W. J. Joyce. 2,409,286; Oct. 15.
- Protective switch gear. P. Beldi. 2,397,912; Apr. 9.
- Protective system. E. H. Ayers. 2,398,993; Apr. 23.
- Protective system. A. J. McConnell. 2,394,039; Feb. 5.
- Protective system. O. C. Traver. 2,403,414; July 2.
- Protective system, Electric. Z. O. St. Pailey. 2,407,521; Sept. 10.
- Protector. See—
- | | |
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| Bank protector. | Mat and heel protector. |
| Battery overcharge protector. | Motor protector. |
| Button protector. | Plano action protector. |
| Dowel bar protector. | Shoe protector. |
| Ear protector. | Spectacles and glasses protector. |
| Golf club head protector. | Stocking protector. |
| Heel protector. | Tree protector. |
| Protector. R. A. Young. 2,398,269; Apr. 9. | |
| Protector and canopy. B. P. Moore. 2,398,441; Apr. 16. | |
| Protector device. S. N. Buchanan. 2,401,223; May 28. | |
| Protector for heating, cutting and welding torches and the like, Heat concentrating nozzle. R. D. Nantz. 2,404,590; July 23. | |
| Protector for shoes, Safety. N. F. and P. F. Stoner. 2,392,677; Jan. 15. | |
| Protein base materials, Treating synthetically shaped. F. C. Atwood. 2,408,026; Sept. 24. | |
| Protein, Decolorizing. M. A. Youtz. 2,397,307; Mar. 26. | |
| Protein fibers, Treating synthetic. F. C. Atwood. 2,408,027; Sept. 24. | |
| Protein products, Treatment of wet spun. G. S. De Kadt. 2,392,582; Jan. 8. | |
| Protein structures and their preparation, Shaped. E. T. Cline. 2,409,475; Oct. 15. | |
| Proteinaceous-quaternary ammonium surface active agents and making same. C. A. MacKenzie and L. Spialter. 2,398,317; Oct. 9. | |
| Proteins, Spinning. G. S. deKadt. 2,398,625; Apr. 16. | |
| Prothrombin product and preparation of same. H. P. Smith. 2,408,536; Oct. 1. | |
| Protractor. J. H. Geske. 2,412,084; Dec. 3. | |
| Protractor. V. M. Luzzi. 2,400,014; May 7. | |
| Protractor. N. C. Smith. 2,399,579; Apr. 30. | |
| Protractor. N. C. Smith. 2,412,100; Dec. 3. | |
| Protractor, Bevel. V. H. Grey. 2,409,849; Oct. 22. | |
| Protractor for isometric drawings. G. A. Jaediker. 2,398,143; Apr. 9. | |
| Provitamin D, Obtaining. W. S. Calcott, G. E. Holbrook, and S. G. Turnbull, Jr. 2,406,133; Aug. 20. | |
| Pruner or like tool. K. H. Lenk. 2,396,583; Mar. 12. | |
| Pseudokryptogonin and its diacetate. R. B. Wagner. 2,404,832; Oct. 8. | |
| Puddling machine. W. J. Miller. 2,409,221; Oct. 15. | |
| Pulldown device. C. D. Beeth. 2,393,603; Jan. 29. | |
| Pull head for broaching machines. F. J. Lapointe. 2,392,747; Jan. 8. | |
| Puller. See— | |
| Coupling sleeve puller. | Staple puller. |
| Rotary weed puller. | Valve puller. |
| Puller for oil wells, Valve. J. C. Vroman. 2,394,123; Feb. 5. | |
| Pulling mill. H. H. Belcher. 2,409,011; Oct. 8. | |
| Pulley and mounting therefor, Sash. E. C. Swanson. 2,396,213; Mar. 5. | |
| Pulley cleaning construction. R. Q. Armington. 2,412,554; Dec. 17. | |
| Pulley, Power. E. C. Rothacker. 2,399,451; Apr. 30. | |
| Pulp preparation and product thereof. D. M. Musser and H. C. Enzel. 2,393,553; Jan. 22. | |
| Pulp stock flow control. J. A. Rossmat. 2,410,526; Nov. 5. | |
| Pulping machine. R. J. Sharp. 2,397,768; Apr. 2. | |
| Pulsation elimination in gas lines. F. M. Stephens. 2,405,100; July 30. | |
| Pulse distance indicator. W. D. Herschberger. 2,403,527; July 9. | |

- Pulse-echo position indicator. A. V. Bedford. 2,412,669; Dec. 17.
- Pulse-echo position indicator. D. W. Epstein. 2,412,670; Dec. 17.
- Pulse-echo system. W. D. Hershberger. 2,411,572; Nov. 26.
- Pulse generating circuit. H. W. Lord. 2,394,389; Feb. 5.
- Pulse generating system. L. Tonks. 2,405,069; July 30.
- Pulse generating system. L. Tonks. 2,405,071; July 30.
- Pulse generating system. Square wave. L. Tonks and M. Davis. 2,405,070; July 30.
- Pulse generator. C. W. Hansell and O. E. Dow. 2,400,822; May 21.
- Pulse generator. L. L. Lakatos. 2,408,261; Sept. 24.
- Pulse generator. R. C. Locke. 2,411,442; Nov. 19.
- Pulse generator. J. C. Schelleng. 2,411,898; Dec. 3.
- Pulse keying. Apparatus for and method of. I. Wolff. 2,403,624; July 9.
- Pulse modulation receiver. H. O. Peterson. 2,392,546; Jan. 8.
- Pulse selectivity system. E. I. Anderson. 2,410,000; Oct. 29.
- Pulse system. E. H. B. Bartelink. 2,392,114; Jan. 1.
- Pulse transmitter. W. van B. Roberts. 2,410,748; Nov. 5.
- Pulsing system. A. E. Joel, Jr. 2,410,446; Nov. 5.
- Pulverized fuel burner. H. Kreisinger and V. Z. Caracristi. 2,399,234; Apr. 30.
- Pulverizing and classifying machine. H. G. and W. H. Lykken. 2,392,331; Jan. 8.
- Pulverizing, feeding, and transporting of material. System of. J. L. Harvey. 2,403,976; July 16.
- Pulverulent material. Handling. E. D. Reeves. 2,392,764; Jan. 8.
- Pump—See—**
- Adjustable liquid sealed pump. Hose pump.
- Automatic cutoff pump. Hydraulic pump.
- Automatic variable pump. Liquid fuel pump.
- Booster pump. Lubricant pump.
- Carburetor accelerating pump. Multiple injection pump.
- Centrifugal pump. Multistage centrifugal pump.
- Clutch driven hydraulic pump. Nose pump.
- Compressed air coolant circulatory pump. Oil well sand pump.
- Condensation pump. Power transmission pump.
- Diaphragm pump. Recirculating stabilizer.
- Double-acting pump. Rotary pump.
- Double-casing high-pressure pump. Self-priming centrifugal pump.
- Drop by drop pump. Versing pump.
- Electromagnetic pump. Slotted throat booster pump.
- Fire-extinguishing pump. Sludge pump.
- Flexible tube pump. Suction pump.
- Fluid pressure pump. Two-gear metering pump.
- Fluid pump. Vacuum pump.
- Fountain pump. Vane type booster pump.
- Fuel injection pump. Vapor vacuum pump.
- Fuel pump. Variable delivery and re-gas pump.
- Gear pump. Variable displacement pump.
- Gear wheel pump. Variable output pump.
- Grease dispensing pump. Variable volute chamber pump.
- Hand pump. Well pump.
- Heat pump.
- Pump. H. A. Adams. 2,400,676; May 21.
- Pump. J. E. Bevins. 2,394,285; Feb. 5.
- Pump. J. B. Burks. 2,392,117; Jan. 1.
- Pump. N. A. Christensen. 2,410,808; Nov. 12.
- Pump. C. F. Davis. 2,392,029; Jan. 1.
- Pump. W. L. Davis. 2,394,371; Feb. 5.
- Pump. B. A. Edwards and B. G. Duer. 2,396,319; Mar. 12.
- Pump. R. S. Elberty. 2,402,244; June 18.
- Pump. C. Elliott. 2,412,723; Dec. 17.
- Pump. J. H. Fitzgerald. 2,393,096; Jan. 15.
- Pump. G. E. Gall. 2,407,923; Sept. 17.
- Pump. H. M. Geyer and E. Carson. 2,403,854; July 9.
- Pump. E. W. Gutsch. 2,397,483; Apr. 2.
- Pump. H. Hillier and T. McAlpine. 2,408,851; Oct. 8.
- Pump. F. A. Lane. 2,411,438; Nov. 19.
- Pump. B. G. Laskey. 2,393,175; Jan. 15.
- Pump. J. Mann. 2,413,461; Oct. 31.
- Pump. J. Mercier. 2,392,545; Jan. 8.
- Pump. J. Mercier. 2,392,754; Jan. 8.
- Pump. A. V. Mueller. 2,394,932; Feb. 12.
- Pump. B. H. Perkins. 2,395,682; Feb. 26.
- Pump. A. D. Reiser and L. C. Rotter. 2,409,122; July 2.
- Pump. L. C. Rotter and V. G. Klein. 2,394,486; Feb. 5.
- Pump. W. F. Thompson. 2,408,109; Sept. 24.
- Pump. L. O. Wallen. 2,393,847; Jan. 29.
- Pump and motor assembly. R. R. Curtis and R. L. Gates. 2,413,546; Dec. 31.
- Pump and tank assembly. Booster. F. W. Heckert. 2,395,661; Feb. 26.
- Pump bores. Apparatus for and method of smoothing. M. Caserta. 2,411,851; Dec. 3.
- Pump construction. E. S. Witzger. 2,408,716; Oct. 1.
- Pump control. J. B. Smith. 2,403,688; July 9.
- Pump control with line loss compensation. S. F. Hunt. 2,411,574; Nov. 26.
- Pump for aircraft fuel systems. Booster. R. R. Curtis. Re. 22,739; Apr. 2.
- Pump for aircraft fuel systems. Booster. H. H. Harpster. 2,402,398; June 18.
- Pump for hydraulic systems. Multiple. H. J. McGovern. 2,413,240; Dec. 24.
- Pump for internal-combustion engines. Fuel injection. H. Muller and A. Pischinger. 2,410,517; Nov. 5.
- Pump for lubricants and the like. S. D. Shearman. 2,409,962; Oct. 22.
- Pump for power transmissions. R. L. Tweedale. 2,411,602; Nov. 26.
- Pump for wells. Vacuum sand. C. C. Heeter. 2,401,871; June 11.
- Pump form. G. H. De Long and B. Dreisbach. 2,410,153; Oct. 29.
- Pump having by-pass with speed-sensitive and pressure-responsive control. C. A. Pugh and D. G. Booth. 2,412,239; Dec. 10.
- Pump jack. L. Kessler. 2,412,222; Dec. 10.
- Pump of the centrifugal type. Liquid. H. Hillier. 2,397,664; Apr. 2.
- Pump of the double jet type. Vapor vacuum. P. Alexander and C. Whitley. 2,404,022; July 16.
- Pump of the radial cylinder type. Hydraulic. W. C. Holden and J. C. Naylor. 2,404,175; July 16.
- Pump of the vapor type. Vacuum. P. Alexander. 2,404,021; July 16.
- Pump motor. Hydraulic. H. L. Chisholm, Jr. 2,396,316; Mar. 12.
- Pump or motor. Power transmission. K. R. Herman. 2,395,824; Mar. 5.
- Pump or motor. Supercharger. J. F. Jaworowski and N. Jaworowski. 2,394,185; Feb. 5.
- Pump or motor unit. C. E. Grosser. 2,397,314; Mar. 26.
- Pump mechanism. Chemical feed. J. Corydon, II. 2,402,524; June 18.
- Pump packing. Oil well. H. F. Johns. 2,410,976; Nov. 12.
- Pump station control system. T. R. Statham. E. A. Koenig, and C. P. Caldwell. 2,397,443; Mar. 26.
- Pump structure. C. W. Shaw. 2,405,061; July 30.
- Pump unit for impact tool. C. F. Warren and K. F. Kuehn. 2,397,174; Mar. 26.
- Pump with split cylinder. W. R. Tucker. 2,394,120; Feb. 5.
- Pumping apparatus. H. S. Coe. 2,405,734; Aug. 13.
- Pumping apparatus. R. E. Lamberton. 2,410,824; Nov. 12.
- Pumping apparatus. W. H. Lannert. 2,401,254; May 28.
- Pumping apparatus. W. H. Wineman. 2,408,013-14; Sept. 24.
- Pumping apparatus. Oil well. H. F. Vickers, K. R. Herman, and J. Moser. 2,402,712; June 25.
- Pumping mechanism. J. R. Norton. 2,404,524; July 23.
- Pumping system. A. Leake. 2,394,191; Feb. 5.
- Pumping system. Vacuum. T. Sorrentino. 2,404,869; July 30.
- Pumping unit. I. J. Karassik. 2,393,691; Jan. 29.
- Pumping unit. Fuel. D. C. Elliot. 2,413,049; Dec. 24.
- Pumps and the like. Base for rayon. J. P. Laird. 2,403,663; July 9.
- Pumps. Counterbalancing attachment for. G. T. Sowell. 2,401,669; June 4.
- Punch and closure. Can. J. F. Markley. 2,407,434; Sept. 10.
- Punch and die mechanism. E. L. Wiedman. 2,394,346; Feb. 5.
- Punch. Card. A. A. Rembold. 2,404,985; July 30.
- Punch. Collapsible. J. J. Thayer. 2,400,961; May 28.
- Punch press. H. B. Werner and J. Verson. 2,405,537; Aug. 6.
- Punch press clutch. J. S. Jones. 2,396,047; Mar. 5.
- Punching apparatus. C. J. Hueber. 2,397,112; Mar. 26.
- Punching apparatus. N. H. Swanson. 2,398,476; Apr. 16.
- Punching by transfer means. Method of and apparatus for. G. F. Wales. 2,410,372; Oct. 29.
- Punching device. Can. J. Hansen. 2,408,831; Sept. 3.
- Punching machine. Card. K. J. Braun. 2,399,623; May 7.
- Punching machine. Cigar. J. H. Lindsay and S. Reso. 2,407,931; Sept. 17.
- Punching machine. Record. C. R. Doty. 2,399,725; May 7.
- Puncture sealing gas tank. E. Eger. 2,401,627; June 4.
- Purging apparatus. Tank. H. E. Heigis. 2,406,373; Aug. 27.
- Purging system for refrigerating systems. J. R. Zwickl. 2,400,620; May 21.
- Purification of air and making same. Composition for. C. E. Jackson. 2,401,454; June 4.
- Purification of crude trinitrotoluene. R. H. McKee. 2,401,879; June 11.
- Purse. Change. H. Bretter and H. Brandon. 2,408,751; Oct. 8.
- Purse. Vingt. T. B. Cline. 2,400,222; May 14.
- Push-button control of signal seeking receivers. M. G. Nicholson, Jr. 2,394,869; Feb. 12.
- Push-button pump type soap dispenser. J. F. Palmer. 2,407,765; Sept. 17.
- Push-button switch. G. A. Wahlstrom. 2,405,679; Aug. 13.
- Push fastener. E. A. Miller. 2,409,508; Oct. 15.
- Puzzle. H. M. Slocum. 2,412,180; Dec. 3.

- Puzzle, Jigsaw. C. E. Barnes. 2,395,312; Feb. 19.
 Puzzle, Jigsaw. T. C. Luton. 2,394,864; Feb. 12.
 Pyranthrone, Preparing. H. R. Lee, J. Deinet, and H. B. Gottlieb. 2,405,702; Aug. 13.
 Pyrazine. J. K. Dixon. 2,400,398; May 14.
 Pyridine bases, Recovering. H. L. Stewart. 2,410,906; Nov. 12.
 Pyridine derivatives and the manufacture of same. M. Hoffer. 2,410,938-41; Nov. 12.
 Pyridine recovery process. B. J. C. van der Hoeven. 2,393,666; Jan. 29.
 Pyridine-3-acetic acid and derivatives therefor, and preparing the same. M. Hartmann, K. Miescher, H. Kaegi, and W. Bosshard. 2,408,020; Sept. 24.
 Pyridine-3-sulphonic acid and its salts, Production of. E. T. Tissa and B. P. Duesel. 2,406,972; Sept. 3.
 Pyrolysis of esters of 1-alken-4-ols to produce diolefins. J. B. Long. 2,398,103; Apr. 9.
 Pyrolysis products of chlorodifluoromethane, Separating. R. F. Benning, F. B. Downing, and J. D. Park. 2,406,794; Sept. 3.
 Pyrosulphuryl chloride, Making. N. A. Laury and J. B. Lombardo. 2,396,581; Mar. 12.
 Pyrotechnic devices. T. L. Davis. 2,409,111; Oct. 8.
 Quartz crystal holder. J. E. Fox, N. A. Nelson, and W. S. Quiney. 2,408,768; Oct. 8.
 Question and answer device. W. Miesegaes. 2,394,711; Feb. 12.
 Quick-acting switch mechanism. R. H. Bentley. 2,412,119; Dec. 3.
 Quick-action gas valve. O. J. Smith. 2,412,479; Dec. 10.
 Quick-action mechanism. R. H. Jordan. 2,399,123; Apr. 23.
 Quick converting capacitor motor. W. W. Warner. 2,407,117; Sept. 3.
 Quick-detachable audio frequency connector. W. J. Morlock and R. C. Willman. 2,403,677; July 9.
 Quick disconnect coupling. J. R. Snyder. 2,399,516; Apr. 30.
 Quick disconnect coupling. A. Townhill. 2,397,576; Apr. 2.
 Quick disconnect coupling. N. E. Waag. 2,399,525; Apr. 30.
 Quick-freezing apparatus for food articles. A. J. Stone. 2,408,154; Sept. 24.
 Quick opening rotary valve. C. W. Hall. 2,411,321; Nov. 19.
 Quick-release connector. F. G. Manson. 2,393,178; Jan. 15.
 Quick-release connector. F. G. Manson. 2,407,715; Sept. 17.
 Quill, Adjustable. C. O. Brustlie. 2,402,017; June 11.
 Quilting frame. R. N. Fancher. 2,408,205; Sept. 24.
 Quinazolones from organic phosphazo compounds, Production of substituted. A. Guenther and J. F. Morgan. 2,408,633; Oct. 1.
 Quinonylamino-N-alkylenesulfonic acids as printing aids. R. H. Kienle and C. A. Amick. 2,409,127; Oct. 8.
 Quinonyl sulphonamides in color compositions. R. H. Kienle and C. A. Amick. 2,394,918; Feb. 12.
 Quiz machine. B. E. Mills. 2,401,434; June 4.
 Rabat, Clerical. E. Rendall. 2,394,717; Feb. 12.
 Race track device. G. Miller. 2,396,280; Mar. 12.
 Racemic pantothenic acid, derivatives thereof and preparing same. E. T. Stiller. 2,396,477; Mar. 12.
 Rack: See—
 Barrel storage rack. Fire hose rack.
 Bomb rack. Garment rack.
 Book rack. Periodical display rack.
 Brush rack. Photographic frame rack.
 Carrying rack. Shoe rack.
 Casket rack. Steel rack.
 Cluster bomb rack. Tie rack.
 Coat hanger or wall rack. Tire rack.
 Developing rack. Towel rack.
 Display device and house-hold rack. Water-cooled ammunition rack.
 Display rack.
 Rack. W. G. Murphy and A. Kingsbacher. 2,402,768; June 25.
 Rack and making, Drier. S. J. Baril and L. Hochheimer. 2,395,210; Feb. 19.
 Rack and pinion mechanism. C. S. Fielding. 2,410,643; Nov. 5.
 Rack device. H. J. Cohn. 2,402,127; June 18.
 Rack for bicycles, Bundle. B. M. Christenson. 2,391,945; Jan. 1.
 Rack for silverware chests, Knife. L. Maxim. 2,412,410; Dec. 10.
 Rack or carrier for neckties and similar apparel, Delivery. W. W. McFall. 2,401,835; June 11.
 Rack or casing, Book. W. L. Ramsey. 2,407,797; Sept. 17.
 Rack or stand, Clothes. E. A. Becker. 2,410,563; Nov. 5.
 Racking apparatus. J. G. Smith. 2,410,247; Oct. 29.
 Racking mechanism for knitting machines. R. H. Lawson. 2,411,795; Nov. 26.
 Racket. G. K. Geerlings and J. N. Tynan. 2,395,864; Mar. 5.
 Racket string. A. F. Smith. 2,401,291; May 28.
 Radar systems, Recorder for. J. P. Smith. 2,403,562; July 9.
 Radial cylinder engines, Fuel manifold. J. Stucke. 2,395,918; Mar. 5.
 Radial pressure clutch. H. J. Zimmermann. 2,400,586; May 21.
 Radial sawing mechanism. E. P. Stamm. 2,393,940; Jan. 29.
 Radiant energy responsive directional, Control. M. A. McLennan. 2,403,387; July 2.
 Radiant flame compression burner. W. W. Kemp. 2,410,542; Nov. 5.
 Radiator, Two in aircraft, Utilizing. H. J. D. McCollum. 2,408,867; Oct. 8.
 Radiant oven and broiler burner. R. J. Greene. 2,413,447; Dec. 31.
 Radiating system. W. P. Mason. 2,411,551; Nov. 26.
 Radiating system, Multisignal. A. Alford. 2,406,735; Sept. 3.
 Radiator. P. E. Grandmont and L. C. Werner. 2,413,179; Dec. 24.
 Radiator, Compressional wave. W. P. Mason. 2,403,990; July 16.
 Radiator, Electromagnetic horn. M. Katzin. 2,398,095; Apr. 9.
 Radiator pressure cap. C. H. Lines. 2,406,502; Aug. 27.
 Radiator, Two frequency electromagnetic horn. M. Katzin. 2,398,096; Apr. 9.
 Radiator valve. A. H. Vitagliano. 2,396,400; Mar. 12.
 Radioactive apparatus. C. W. Wallhausen. 2,403,316; July 2.
 Radioactivity, Method and apparatus for direct recording of borehole. S. Krasnow and L. F. Curtiss. 2,409,436; Oct. 15.
 Radio adapter unit. E. Cole and R. E. McCoy. 2,397,128; Mar. 26.
 Radio altimeter. E. O. Willoughby. 2,395,928; Mar. 5.
 Radio antenna system. G. T. Royden. 2,393,656; Jan. 29.
 Radio apparatus. H. J. Benner. 2,400,531; May 21.
 Radio apparatus. G. V. Eltgroth. 2,411,198; Nov. 19.
 Radio apparatus. S. Y. White. 2,407,359; Sept. 10.
 Radio assembly. S. H. M. Doddington. 2,411,528; Nov. 26.
 Radio azimuth compensator. W. P. Lear. 2,409,130; Oct. 8.
 Radio beacon. S. B. Pickles. 2,404,400; July 23.
 Radio beacon system. E. I. Anderson. 2,403,429; July 9.
 Radio beacon system. H. G. Busignies and S. B. Pickles. 2,397,531; Apr. 2.
 Radio beacon system. G. L. Davies. 2,402,378; June 18.
 Radio beacon system. F. G. Kear. 2,402,410; June 18.
 Radio beacon system. F. G. Kear. 2,404,501; July 23.
 Radio beacon system. S. W. Seeley. 2,404,196; July 16.
 Radio beacon system, Equisignal. W. J. O'Brien. 2,406,396; Aug. 27.
 Radio bomb release system. R. C. Sanders, Jr., and W. R. Mercer. 2,412,632; Dec. 17.
 Radio chassis and the like, Carrying. J. W. Whitney. 2,399,527; Apr. 30.
 Radio communication system. De W. R. Goddard. 2,392,586; Jan. 8.
 Radio communication system. G. L. Hollingsworth and R. C. Jensen. 2,413,182; Dec. 24.
 Radio communication system. H. Magnuski. 2,408,791; Oct. 8.
 Radio communication system for and method of aircraft. W. L. Carlson. 2,403,500; July 9.
 Radio compass and direction finder. G. G. Kruel. 2,393,643; Jan. 29.
 Radio, Compass demonstrator. M. R. Andrews. 2,402,271; June 18.
 Radio control apparatus. F. H. Owens. 2,411,891; Dec. 3.
 Radio control system for moving vehicles. D. S. Kellogg. 2,397,477; Apr. 2.
 Radio controlled mine. J. H. Hammond, Jr. 2,411,787; Nov. 26.
 Radio controlled rocket. J. H. Hammond, Jr. 2,413,621; Dec. 31.
 Radio device for indicating doppler effect. J. Evans. 2,407,000; Sept. 3.
 Radio direction and distance device, Self-tracking. H. F. Rost, K. H. Thunell, S. D. Vigen, and P. H. E. Claesson. 2,409,448; Oct. 15.
 Radio direction finder. H. G. Busignies. 2,403,967; July 16.
 Radio direction finder. P. C. Sandretto and E. P. Buckthal. 2,406,637; Aug. 27.
 Radio direction finder. R. H. Worrall. 2,404,012; July 16.
 Radio direction finder system. H. C. Baumann. 2,412,959; Dec. 24.
 Radio direction finding and indicating apparatus. P. Adorjan and R. P. Gabriel. 2,396,141; Mar. 5.
 Radio direction finding system. W. H. Wirkler. 2,408,120; Sept. 24.
 Radio direction finding system, Azimuth. W. H. Wirkler. 2,408,119; Sept. 24.
 Radio direction finding system, Heterodyne. W. H. Wirkler. 2,408,119; Sept. 24.
 Radio-frequency carrier-signal limiting system. L. F. Curtis. 2,395,615; Feb. 26.
 Radio frequency fields, Indicating the presence of. G. E. Colman. 2,395,850; Mar. 5.

- Radio-frequency power measurement. S. Ramo. 2,411,553; Nov. 26.
- Radio frequency switch. D. W. Peterson. 2,407,847; Sept. 17.
- Radio guiding system. L. J. Heaton-Armstrong. 2,393,903; Jan. 29.
- Radio gunfire control. V. K. Zworykin and A. W. Vance. 2,409,462; Oct. 15.
- Radio kaleidoscopic projector. L. Z. Plehanek. 2,411,804; Nov. 26.
- Radio locating system. W. H. Capen. 2,411,520; Nov. 26.
- Radio locator device. I. Wolff. 2,412,703; Dec. 17.
- Radio mounting structure. M. C. Poyle. 2,404,403; July 23.
- Radio navigation system. P. J. Holmes. 2,401,565; June 4.
- Radio navigation system and method. H. C. Morgan. 2,396,112; Mar. 5.
- Radio navigational system, Tri-dimensional. E. G. Gage. 2,399,671; May 7.
- Radio obstacle localizing apparatus. J. R. Hardy. 2,400,641; May 21.
- Radio pulse indicator. J. P. Smith. 2,406,970; Sept. 3.
- Radio pulse system with interference eliminator. A. D. Blumlein and E. L. C. White. 2,406,316; Aug. 27.
- Radio range. A. E. Theis and W. A. Wiener. 2,398,335; Apr. 9.
- Radio range orientator. J. Dean. 2,405,493; Aug. 6.
- Radio ranging, Method and apparatus for. H. M. Hart. 2,407,272; Sept. 10.
- Radio receiver. W. H. Bliss. 2,411,494; Nov. 19.
- Radio receiver. G. C. Saiklai. 2,413,593; Dec. 31.
- Radio receiver. H. Whalley and C. W. Miller. 2,404,333; July 16.
- Radio receiver, Directional. W. P. Lear. 2,392,328; Jan. 8.
- Radio receiver, Portable. A. Patino. 2,396,121; Mar. 5.
- Radio receiver, Portable. R. J. Whipple. 2,397,306; Mar. 26.
- Radio receiving and transmitting system. J. Robinson. 2,396,883-4; Mar. 19.
- Radio receiving apparatus. A. D. Smith, Jr. 2,404,408; July 23.
- Radio receiving system. W. H. Bliss. 2,409,012; Oct. 8.
- Radio receiving system. H. G. Busignies. 2,393,971; Feb. 5.
- Radio receiving system. G. E. Gustafson. 2,392,665; Jan. 8.
- Radio receiving system. G. J. Lehmann. 2,412,994; Dec. 24.
- Radio receiving system. H. Magnuski. 2,409,139; Oct. 8.
- Radio relaying. H. Tunick. 2,407,212-13; Sept. 3.
- Radio remote control system. E. M. Sorensen. 2,408,819; Oct. 8.
- Radio shield, Ignition distributor. D. Ingalls and J. W. Hamilton. 2,393,538; Jan. 22.
- Radio shielding means. W. J. Spengler, T. Tognola, and J. R. Feil. 2,396,060; Mar. 5.
- Radio signaling system. D. L. Hings. 2,395,049; Feb. 19.
- Radio system, Directional. L. M. Leeds. 2,412,159; Dec. 3.
- Radio system, Directive. E. Bruce. 2,412,202; Dec. 10.
- Radio system, Directive. S. Godet. 2,412,612; Dec. 17.
- Radio system, Directive. R. C. Longfellow. 2,412,160; Dec. 3.
- Radio system, Duplex. J. Evans. 2,410,641; Nov. 5.
- Radio system for velocity measurement. T. T. Eaton. 2,408,742; Oct. 8.
- Radio system of the carrier frequency shift type, Multiplex. P. Bernstein. 2,397,813; Apr. 9.
- Radio telegraph receiving arrangement. F. P. Mason. 2,393,921; Jan. 29.
- Radio transmission and monitoring system. E. Labin. 2,412,991; Dec. 24.
- Radio transmission and reception. R. H. Varian. Re. 2,2724; Feb. 19.
- Radio transmission and testing system utilizing pulse type generators. W. P. Mueller and F. L. Burroughs. 2,394,933; Feb. 12.
- Radio transmission apparatus. E. L. Schellens and N. E. Gibbs. 2,409,153; Oct. 8.
- Radio transmission, Microwave. G. C. Southworth. 2,405,242; Aug. 6.
- Radio transmitter and receiver, Combined frequency modulation. W. W. Vogel. 2,408,826; Oct. 8.
- Radio transmitter-receiver automatic switching system. G. H. Brown. 2,412,315; Dec. 10.
- Radio transmitting and receiving system. F. M. Davis. 2,402,606; June 25.
- Radio transmitting system, Directional. M. L. MacAdam. 2,401,575; June 4.
- Radio tuning means. S. Y. White. 2,399,704; May 7.
- Radio tuning, Mechanical band spread for. C. F. Mathewson. 2,400,699; May 21.
- Radio tuning mechanism. G. C. Perkins. 2,400,052; May 7.
- Radio tuning structure. S. S. Cramer. 2,393,591; Jan. 29.
- Radio waves electrically, Method and apparatus for variably reflecting. R. J. McElhannon. 2,391,914; Jan. 1.
- Radiographic exposure meter. H. Friedman. 2,405,572; Aug. 13.
- Radiographic filter. S., M. H., and J. E. Moreau. 2,405,444; Aug. 6.
- Radiographic inspection method. R. G. Rhoades. 2,413,174; Dec. 3.
- Radiography, Apparatus and method for sectional. J. Kieffer. 2,400,516; May 21.
- Radiosonde. K. O. Lange. 2,396,955; Mar. 19.
- Radium coating mechanism, Method and apparatus for. H. B. Fowler. 2,397,731; Apr. 2.
- Radius to tangent compound angle dresser. E. V. Statia, Sr. 2,404,465; July 23.
- Raft, Life. M. Hallward. 2,413,226; Dec. 24.
- Raft, Life. F. G. Manson and J. J. Maskey. 2,399,494; Apr. 30.
- Raft, Lifesaving and sporting. H. J. Bean. 2,396,148; Mar. 5.
- Raft release, Life. J. D. Petouhoff. 2,406,250; Aug. 20.
- Rail and joint structure. H. L. Lansing. 2,403,807; Jul. 9.
- Rail and making same, Railroad. H. S. George. 2,411,203; Nov. 19.
- Rail bonding apparatus. C. A. Cadwell. 2,401,048; May 28.
- Rail car wheel brake. C. L. Eksergian. 2,393,032; Jan. 15.
- Rail fastener. B. T. Gibbs. 2,394,373; Feb. 5.
- Rail fastening. L. B. Green. 2,408,628; Oct. 1.
- Rail for Venetian blinds, Bottom. I. Jablin. 2,402,894; Apr. 25.
- Rail joining and separating device. T. Roy. 2,398,116; Apr. 9.
- Rail joint. G. W. Muller. 2,412,743; Dec. 17.
- Rail leveling device. J. W. McDaniel. 2,412,463; Dec. 10.
- Railroad car truck bolster. K. F. Nystrom and V. L. Green. 2,392,292; Jan. 1.
- Railroad journal box. R. J. Brittain, Jr. 2,405,132; Aug. 6.
- Railroad safety device. H. B. Robinson. 2,392,064; Jan. 1.
- Railroad ties and the like, Means and method for handling and stacking. D. C. Curtis. 2,396,090; Mar. 5.
- Rail tool attachment. J. S. Brawshaw. 2,393,230; Jan. 22.
- Rail tool attachment. J. S. Bradshaw. 2,393,515; Jan. 22.
- Rail tool bolster. E. H. Piron. 2,398,394; Apr. 16.
- Railway brake. C. E. Tack. 2,406,048; Aug. 20.
- Railway brake. C. E. Tack and W. A. Helsten. 2,399,071; Apr. 23.
- Railway car. C. L. Heater. 2,410,580; Nov. 5.
- Railway car. W. E. Wine. 2,402,267; June 18.
- Railway car retarder. G. T. Clark. 2,393,146; Jan. 15.
- Railway car truck. G. S. Goodwin. 2,394,238; Feb. 5.
- Railway car wall. G. G. Gilpin. 2,412,806; Dec. 17.
- Railway cross tie anticheck. C. L. Wickersham. 2,396,402; Mar. 12.
- Railway freight car. C. K. Steins. 2,399,950; May 7.
- Railway freight car. J. E. Conley. 2,405,407; Aug. 6.
- Railway journal box. R. J. Brittain, Jr. 2,404,429; July 23.
- Railway lubricator. A. F. Huber. 2,401,303; June 4.
- Railway signaling system. A. L. Jerome. 2,400,005; May 7.
- Railway signaling system. A. Langdon. 2,391,985; Jan. 1.
- Railway switch circuit controller. J. E. Stephenson. 2,394,215; Feb. 5.
- Railway switch joint. W. G. Morris. 2,397,427; Mar. 26.
- Railway switch lock control system. J. J. Jacobus. 2,391,976; Jan. 1.
- Railway switch operating apparatus. J. W. Logan, Jr. 2,396,863; Mar. 19.
- Railway track circuit apparatus. N. F. Agnew. 2,393,135; Jan. 15.
- Railway track heater. A. A. Smith. 2,413,388; Dec. 31.
- Railway traffic control and indication apparatus. J. M. Pelikan. 2,392,499; Jan. 8.
- Railway traffic controlling apparatus. D. C. Bettison. 2,393,136; Jan. 15.
- Railway traffic controlling apparatus. C. D. Ihrig. 2,395,664; Feb. 26.
- Railway traffic controlling apparatus. F. T. Pascoe and A. L. Jerome. 2,411,387; Nov. 19.
- Railway traffic controlling apparatus. H. A. Thompson. 2,401,201; May 28.
- Railway truck. J. H. Porteus. 2,411,978; Dec. 3.
- Railway truck spring brake. A. C. Davidson. 2,404,475; July 23.
- Railway truck structure. J. C. Travilla, Jr. 2,393,722; Jan. 29.
- Railing, Flexible guard. F. Michaels. 2,392,755; Jan. 8.
- Raising and lowering portable barrier, Method and means for. H. D. Hilborn. 2,403,080; July 2.
- Rake for crab grass and the like, Cutting. F. Friedheim. 2,395,111; Feb. 19.

- Rake, Garden and lawn. H. I. Gould. 2,412,980; Dec. 24.
- Rake, Hay. S. E. Hilblom. 2,394,057; Feb. 5.
- Rake, Side delivery. E. L. Riets. 2,403,401; July 2.
- Rake, Sweep. O. J. Durand. 2,403,351; July 2.
- Ram adjustment, Booster. B. D. Ashbaugh. 2,404,611; July 23.
- Ram construction, Booster. B. D. Ashbaugh. 2,410,001; Oct. 29.
- Rammer Sand. R. E. Steinmueller. 2,400,851; May 21.
- Range. H. Moecker, Jr., W. H. Frick, E. W. Meacham, and H. K. White. 2,402,429; June 18.
- Range apparatus. H. E. Cossin. 2,408,295; Sept. 24.
- Range butt, Firing. W. S. Conner and C. B. Wilkie. 2,411,026; Nov. 12.
- Range, Cooling. A. E. Smallwood. 2,401,977; June 11.
- Range finder. J. Balsey. 2,407,917; Sept. 17.
- Range finder. W. Castedello. 2,401,746; June 11.
- Range finder. E. W. Chafee. 2,397,532; Apr. 2.
- Range finder. F. M. E. Holmes and J. Mihalyi. 2,401,689; June 4.
- Range finder. H. Hoover, Jr. 2,422,552; May 21.
- Range finder. E. H. Land. 2,397,273-5; Mar. 26.
- Range finder. E. H. Land. 2,404,301; July 16.
- Range finder. E. H. Land. 2,407,306; Sept. 10.
- Range finder. E. H. Land and D. P. Cooper, Jr. 2,404,302; July 16.
- Range finder. B. E. Luboshez. 2,401,688; June 4.
- Range finder. S. M. MacNeille. 2,398,020; Apr. 9.
- Range finder. S. M. MacNeille. 2,401,695-6; June 4.
- Range finder. S. M. MacNeille. 2,403,732; July 9.
- Range finder. S. M. MacNeille and F. M. E. Holmes. 2,401,697; June 4.
- Range finder. S. M. MacNeille and J. Mihalyi. 2,401,698; June 4.
- Range finder. J. Mihalyi. 2,401,700-2; June 4.
- Range finder. J. Mihalyi. 2,401,704-6; June 4.
- Range finder. J. Mihalyi and S. M. MacNeille. 2,401,707-8; June 4.
- Range finder. J. Mihalyi and S. M. MacNeille. 2,401,710; June 4.
- Range finder. J. Mihalyi and F. Tuttle. 2,401,709; June 4.
- Range finder. M. Schwartz and W. Castedello. 2,407,687; Sept. 17.
- Range finder, Binocular. B. E. Luboshez. 2,401,690; June 4.
- Range finder, Coincidence. B. E. Luboshez. 2,401,692; June 4.
- Range finder, Coincidence type. J. Mihalyi, H. A. Bing, and L. J. Craig. 2,398,026; Apr. 9.
- Range finder construction. J. Mihalyi. 2,403,738; July 9.
- Range finder, Continuous. F. W. Durgin. 2,406,999; Sept. 3.
- Range finder for cameras. H. Schwartz and W. Castedello. 2,397,160; Mar. 26.
- Range finder for cameras, Lens coupled. F. P. Wilcox. 2,413,017; Dec. 24.
- Range finder, height finder, and like measuring instrument. J. M. Strang and C. Foster. 2,407,186-7; Sept. 3.
- Range finder, Invert field. J. Mihalyi, H. A. Bing, and L. J. Craig. 2,398,027; Apr. 9.
- Range finder, Long base. B. E. Luboshez. 2,401,689; June 4.
- Range finder, Photoelectric. B. E. Luboshez. 2,401,691; June 4.
- Range finder, Stereoscopic. B. E. Luboshez. 2,401,693; June 4.
- Range finders, Variable circle for stadimetric. J. S. Beggs, D. B. McRae, and J. H. Eagle. 2,405,731; Aug. 13.
- Range input and hand control unit for aircraft turret guns. W. H. Brown. 2,399,200; Apr. 30.
- Range setting mechanism. C. W. Buckley. 2,411,080; Nov. 12.
- Ranging device, Ultra-sonic. J. H. Bollman. 2,405,182; Aug. 6.
- Ranging system. H. Benioff. 2,407,644; Sept. 17.
- Rapid frequency change radio receiver. J. F. Hutchins and W. K. White, Jr. 2,410,075; Oct. 29.
- Rapping device. J. H. Hamilton and H. J. White. 2,392,088; Jan. 1.
- Rat trap. R. A. Miller. 2,410,990; Nov. 12.
- Ratchet for socket wrenches. W. K. Kress. 2,407,558; Sept. 10.
- Ratchet mechanism. L. O. Becker. 2,407,468; Sept. 10.
- Ratchet mechanism. W. H. Odum and K. A. Paine. 2,395,681; Feb. 26.
- Ratchet mechanism. F. A. Reynolds. 2,404,092; July 16.
- Ratchet, Reversible. M. H. Loughbridge and W. R. Lockridge. 2,394,085; Feb. 5.
- Rate of rise-dec indicator. J. D. Morgan and P. B. Levitt. 2,412,740; Dec. 17.
- Ratio circuit. R. B. Dome. 2,397,540; Apr. 2.
- Ratio computing device. D. M. Berges. 2,394,284; Feb. 5.
- Ratio transmission, Variable. F. O. Luenberger. 2,398,235; Apr. 9.
- Ratometer, Electrical. M. G. McBride. 2,406,887; Sept. 3.
- Ray-generating apparatus. W. F. Westendorp. 2,405,477; Aug. 6.
- Ray vision system, Invisible. J. M. Cage. 2,395,099; Feb. 19.
- Rayon, Manufacture of large permeable packages of. J. J. Polak and A. L. Jackson. 2,404,742; July 23.
- Rayon, Production of. W. F. Underwood. 2,413,123; Dec. 24.
- Razor. J. W. Anderson. 2,406,983; Sept. 3.
- Razor. J. W. Anderson. 2,406,985; Sept. 3.
- Razor. G. Hammond. 2,393,365; Jan. 22.
- Razor. P. H. Lottman. 2,397,535; Apr. 2.
- Razor. W. L. Mills. 2,407,030; Sept. 3.
- Razor. D. Pinkas. 2,406,035; Aug. 20.
- Razor and blade magazine, Safety. N. Testi. 2,392,432; Jan. 8.
- Razor and blade magazine therefor, Safety. W. Steinbach. 2,410,311; Oct. 29.
- Razor blade and other cutting tool. E. L. Mack. 2,408,790; Oct. 8.
- Razor blade holder. J. Nelson. 2,404,141; July 16.
- Razor blade holder. O. C. Orteson. 2,406,160; Aug. 20.
- Razor blade holder. H. S. Stern. 2,397,444; Mar. 26.
- Razor blade holder, Safety. A. Felardo. 2,409,116; Oct. 8.
- Razor blade pack. L. Kuhl and J. R. Reyburn. 2,398,539; Apr. 16.
- Razor blade package. J. G. Roberts. 2,411,669; Nov. 26.
- Razor, Cream fountain. J. T. Cooney. 2,392,975; Jan. 15.
- Razor, Electric. F. Kerwer. 2,396,181; Mar. 5.
- Razor, Mechanical. J. Sonne. 2,403,407; July 2.
- Razor, Safety. J. R. Ayotte. 2,394,422; Feb. 5.
- Razor, Safety. M. Feldman. 2,405,200; Aug. 6.
- Razor, Safety. L. C. Guertin. 2,402,747; June 25.
- Razor, Safety. J. T. Hellmann. 2,395,272; Feb. 19.
- Razor, Safety. K. Solder. 2,405,203; Aug. 3.
- Razor, Safety. L. A. Larson. 2,399,552; Apr. 30.
- Razor, Safety. A. H. Lyons. 2,393,391; Jan. 22.
- Razor, Safety. G. Monnet. 2,394,001; Feb. 5.
- Razor, Safety. J. Muros. Re 22,708; Jan. 15.
- Razor, Safety. J. Muros. 2,397,617; Apr. 2.
- Razor, Safety. A. Pascoe. 2,412,968; Dec. 17.
- Razor, Safety. R. F. Roberts. 2,407,516; Sept. 10.
- Razor, Safety. F. P. Steinhauer. 2,392,887; Jan. 15.
- Razor, Safety. F. P. Steinhauer. 2,400,721; May 21.
- Razor, Safety. N. Testi. 2,392,431; Jan. 8.
- Razor, Safety. N. Testi. 2,397,890; Apr. 2.
- Razor stop. A. Kuzdal. 2,403,380; July 2.
- Reaction and products therefrom. W. A. Hoffman. 2,396,788; Mar. 19.
- Reaction motor. A. M. O. Smith. 2,407,852; Sept. 17.
- Reaction of 1,3-dienes with polyhalogenated alkanes and products thereof. W. R. Peterson. 2,401,099; May 28.
- Reaction product of unsaturated monoglycol ethers and unsaturated nitriles. E. J. Schwoegee. 2,408,686; July 9.
- Reaction products of acrylonitrile with macromolecular ketones. C. W. Mortenson. 2,396,963; Mar. 19.
- Reaction products of aldehydes and triazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,392,366; Jan. 8.
- Reaction products of aldehydes and triazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,393,754; Jan. 29.
- Reaction products of butadiene with hydrogen cyanide. D. D. Coffman and L. F. Salisbury. 2,402,873; June 25.
- Reaction products of dihaloethers with dithiocarbamates. R. A. Mathes. 2,411,219; Nov. 19.
- Reaction products of dimethylol urea and a halogenated acetamide. G. F. D'Alelio. 2,393,752; Jan. 29.
- Reaction products of nitriles and aldehydes. J. F. Walker. 2,409,086; Oct. 8.
- Reaction products of tertiary organic hydroperoxides with formaldehyde. F. H. Dickey. 2,400,041; May 7.
- Reaction propelled device. R. W. Hoagland. 2,412,266; Dec. 10.
- Reaction propulsion device. W. W. Farr. 2,395,928; Apr. 23.
- Reaction ring. J. F. Hoffer. 2,393,773; Jan. 29.
- Reaction turbine propeller. J. J. Kundig. 2,397,357; May 21.
- Reactions, Catalyzed abnormal addition. W. E. Vaughan and F. F. Rust. 2,398,481; Apr. 16.
- Reactions in contact mass, Method and apparatus in. T. Simpson, J. J. V. Payne, and L. P. Evans. 2,400,596; Oct. 15.
- Reactions with isopentane in the presence of a liquid catalyst. R. E. Burk. 2,405,933; Aug. 20.
- Reactor. L. A. Mekler. 2,409,780; Oct. 22.
- Readily cleannable filter. C. G. Vokes. 2,407,046; Sept. 3.
- Reading and writing machine. W. P. Taylor, Jr. 2,412,183; Dec. 3.
- Reading device. L. C. Miller. 2,395,574; Feb. 26.
- Reading device, Timed. C. M. Holland. 2,398,226; Apr. 9.
- Reading lamp. C. I. Brown. 2,411,189; Nov. 19.
- Reading lamp. W. A. Tratsch. 2,406,480; Aug. 27.
- Reamer, Abrasive. A. Oberholtz, Jr. 2,411,633; Nov. 26.
- Reaming. E. L. Zehrbach. 2,406,938; Sept. 3.
- Rear projection device. S. V. Colley. 2,396,251; Mar. 12.
- Rear-view mirror mounting. Q. G. Noblitt and E. Ludlow. 2,393,056; Jan. 15.

- Receiver and dehydrator, Combination. M. T. Cahenzli, Jr. 2,409,928; Oct. 22.
- Receiver and isolator, Smoker's ash and stump. J. R. Furman. 2,411,569; Nov. 26.
- Receiver and support therefor, Flexible bobbin. R. G. Turner. 2,411,069; Nov. 12.
- Receiver, Ash. C. Hendricks. 2,398,936; Apr. 23.
- Receiver, Double modulation radio. G. E. Pray. 2,400,133; May 14.
- Receiver for looms, Spent bobbin. W. H. Wakefield. 2,411,949; Dec. 3.
- Receiver for pulse position indication systems. R. S. Holmes and J. P. Smith. 2,403,800; July 9.
- Receiver for replenishing looms, Bobbin. R. G. Turner. 2,411,068; Nov. 12.
- Receiver, Multiplex. D. D. Grieg. 2,408,063; Sept. 24.
- Receiver Permeability tuned short-wave spread-band. W. F. Sands. 2,402,260; Jan. 18.
- Receiver protection circuit. E. K. Stodola. 2,397,167; Mar. 26.
- Receiver, Radio. W. J. Brown and J. J. Neff. 2,398,406; Apr. 16.
- Receiver, Radio. J. M. Dodds and H. Whalley. 2,400,813; May 21.
- Receiver, Radio. H. Whalley and G. J. Scoles. 2,400,860; May 21.
- Receiver, Self-quenched superregenerative. E. E. Birr. 2,407,394; Sept. 10.
- Receiver, Sound. H. C. Hayes. 2,404,764; July 23.
- Receiver system. H. B. Deal, W. R. Alexander, and J. A. Rankin. 2,413,296; Dec. 31.
- Receiver, Television. P. Deserno. 2,407,654; Sept. 17.
- Receiving and translating apparatus, Signal. A. W. Plesner. 2,404,401; July 23.
- Receiving apparatus for communication systems. L. D. Whitelock. 2,399,968; May 7.
- Receiving system, Radio. J. L. Hysko. 2,401,355; June 4.
- Receiving system, Radio. H. Magnuski. 2,398,793; Apr. 23.
- Receptacle: See—
- Collapsible cooking recep- Money receptacle.
 - acle. Spectacle or eye glass receptacle.
 - Collapsible receptacle.
 - Douche receptacle.
 - Flexible pocket receptacle.
- Receptacle. P. J. Schoenberger. 2,399,604; Apr. 30.
- Receptacle and cover therefor. J. H. Devine and W. T. Halvorsen. 2,412,325; Dec. 10.
- Receptacle and shield for attachment to bicycles, Combined. L. J. Hobbs. 2,401,245; May 28.
- Receptacle cover. A. Ottesen. 2,405,867; Aug. 13.
- Receptacle for fluids. C. W. and G. M. Brandon. 2,408,505; Oct. 1.
- Receptacle for loose discarded materials. C. Mallory. 2,392,604; Jan. 8.
- Receptacle for toilet paper, Storage. T. R. Black. 2,407,971; Sept. 24.
- Receptacle for waste disposal. B. S. Wolf and H. Gottesman. 2,411,015; Nov. 12.
- Receptacle, Live minnow and small fish. R. L. Groom and R. E. Parrish. 2,403,853; July 9.
- Receptor, Shower bath. R. E. Burnett. 2,400,683; May 21.
- Recharger, Machine gun. K. M. Hammell. 2,406,461; Aug. 27.
- Reciprocal circuit. C. A. Mency. 2,403,540; July 9.
- Reciprocating engine. L. C. Rotter and V. G. Klein. 2,404,315; July 16.
- Reciprocating mechanism. V. G. Klein. 2,413,357; Dec. 31.
- Reciprocating pressure generator. R. G. Le Tourneau. 2,407,790; Sept. 17.
- Reciprocating-saw machine. R. G. Brown. 2,413,485; Dec. 31.
- Reciprocating tool. E. M. Hoover. 2,407,785; Sept. 17.
- Recirculating stabilizer pump. T. R. Dinsmore. 2,392,128; Jan. 1.
- Reclaiming. H. H. Thompson and D. V. Moore. 2,409,402; Oct. 15.
- Reclining seat. W. E. Morey and R. G. Nichols. 2,400,705; May 21.
- Recoll brake. H. B. Maris. 2,403,007; July 2.
- Recoll mechanism. V. F. Lucht. 2,395,488; Feb. 26.
- Recoll mechanism. S. B. Somervell. 2,404,931; July 30.
- Recollless mechanism for guns and mortars. M. H. Goehmann. 2,406,537; Aug. 27.
- Record, Business. A. Hansen. 2,402,282; June 18.
- Record changer. P. S. Gay. 2,396,094; Mar. 5.
- Record changer mechanism, Hydraulic. J. D. Weaver. 2,395,026; Feb. 19.
- Record compositions, Phonograph. J. S. Massarene. 2,403,448; July 9.
- Record container. H. Goldich. 2,402,746; June 25.
- Record controlled machine. V. O. Wilkerson. 2,408,715; Oct. 1.
- Record device. M. Rubinoff. 2,400,211; May 14.
- Record material, Alterproofing. J. D. Ross. 2,396,391; Mar. 12.
- Record perforating machine. R. E. Paris. 2,396,384; Mar. 12.
- Record punching machine. C. D. Lake, F. E. Hamilton, and B. M. Durfee. 2,398,014; Apr. 9.
- Record re-producing machine. E. J. Rabenda and F. J. Furman. 2,398,038; Apr. 9.
- Record re-producing circuit. W. R. Koch. 2,410,982; Nov. 12.
- Recorder. R. Daly, F. H. Goldsmith, and D. J. Munroe. 2,412,718; Dec. 17.
- Recorder. G. Keinath and R. K. Hellmann. 2,401,356; June 4.
- Recorder. C. E. Potter and J. W. Kendall. 2,392,876; Jan. 15.
- Recorder and reproducer, Sound controlled. G. A. Harrington. 2,391,897; Jan. 1.
- Recorder attachment and card guide, Time. W. A. Kraus. 2,407,020; Sept. 3.
- Recorder attachment for meters, Consumption. F. S. and R. B. Beach. 2,398,352; Apr. 16.
- Recorder, Automatic graph drawing. V. Guillemin, Jr. 2,406,764; Sept. 3.
- Recorder, Bulk plant receiving. A. J. Granberg. 2,393,464; Jan. 22.
- Recorder control mechanism. R. A. Lake. 2,411,794; Nov. 26.
- Recorder, Dynamic clutch torque. L. D. Cahill, J. J. Neff, and F. A. Frampton. 2,401,907; June 11.
- Recorder, Electric. W. J. Means and T. Slonczewski. 2,396,187; Mar. 5.
- Recorder, Electric time. A. J. Findlay. 2,395,781; Feb. 26.
- Recorder, Facsimile. A. Z. Mample and L. A. Reed. 2,393,329; Jan. 22.
- Recorder head, Magnetic. M. Camras. 2,411,849; Dec. 3.
- Recorder, Line-for-line. G. Keinath. 2,393,639; Jan. 23.
- Recorder, Magnetic. W. K. Caughey and D. R. Swartzel. 2,402,985; July 2.
- Recorder mechanism. C. D. Lake and F. E. Hamilton. 2,403,006; Jan. 22.
- Recorder, Optical. J. W. Bryce. 2,392,224; Jan. 1.
- Recorder-reproducer unit, Electric. F. L. Moore. 2,410,607; Nov. 5.
- Recording. R. E. Crowley. 2,403,911; July 16.
- Recording and computing machine. E. O. Roggenstein. 2,412,537; Dec. 10.
- Recording and reproducing head for magnetic recording. W. B. Latchford and L. C. Holmes. 2,413,108; Dec. 24.
- Recording and reproducing machine, Sound. J. M. Kahlik. 2,408,320; Sept. 24.
- Recording apparatus. G. G. A. Ericsson. 2,409,745; Oct. 22.
- Recording apparatus. R. K. Hellmann. 2,401,350; June 4.
- Recording apparatus. E. J. Rabenda. 2,412,422; Dec. 10.
- Recording apparatus. H. L. Tholstrup. 2,392,275; Jan. 1.
- Recording apparatus, Automatic. J. J. Kaplan. 2,409,358; Oct. 15.
- Recording apparatus, Magazine for magnetic. L. B. B. 2,401,632; June 4.
- Recording audio-frequency waves, Method of and system for. H. E. Rys. 2,400,953; May 28.
- Recording composition, Instantaneous. A. B. Savage. 2,407,179; Sept. 3.
- Recording device. G. C. Engel, L. S. Lynch, Jr., and F. L. Eldmann. 2,392,467; Jan. 8.
- Recording device, Deviation. A. H. Beal. 2,405,937; Aug. 20.
- Recording device for automobiles. E. E. Eriksson. 2,408,302; Sept. 24.
- Recording indications, Method and means for. G. Keinath and R. K. Hellmann. 2,393,638; Jan. 29.
- Recording machine, Moving web. A. G. Cooley. 2,397,535; Apr. 2.
- Recording map device. W. Blitz. 2,393,228; Jan. 22.
- Recording mechanism. A. Allen. 2,393,960; Feb. 5.
- Recording system in seismic surveying. J. D. Eisler and J. A. Sharpe. 2,394,990; Feb. 19.
- Recording system, Race. E. Nassour. 2,408,528; Oct. 1.
- Recording system, Sound. G. P. Brubaker. 2,411,501; Nov. 26.
- Recovery process. H. A. Pacovitz. 2,398,600; Mar. 12.
- Recovery, Secondary. A. C. Byrns. 2,392,971; Jan. 15.
- Rectifier. A. Lang. 2,393,390; Jan. 22.
- Rectifier. C. A. Clarke. 2,406,806; Sept. 3.
- Rectifier, Alternating current. R. S. Ohl. 2,402,661; June 25.
- Rectifier for frequency division, Sub-synchronous. S. W. Seeley. 2,403,559; July 9.
- Rectifier, Gas-filled electric. H. T. Ramsay. 2,409,955; Oct. 22.
- Rectifier, Safety high-voltage. E. G. Gage. 2,400,751; May 21.
- Rectifier, Voltage. D. R. Rasley. 2,407,724; Sept. 17.
- Rectifier with control electrodes. H. Keller. 2,398,647; Apr. 16.
- Rectifiers, Making dry. W. C. Ellis and A. G. Souden. 2,395,259; Feb. 19.
- Rectifiers, Making dry. W. F. Kannenberg and J. C. McCoy. 2,395,743; Feb. 26.
- Rectifiers, Making selenium. A. von Hippel. 2,413,013; Dec. 24.

- Reetifiers, Reduction of leakage current in cuprous-oxide. C. C. Hein. 2,394,056; Feb. 5.
- Reducer, Fluid pressure. E. A. Berger. 2,393,280; Jan. 22.
- Reducer, Foam. M. L. Edwards. 2,401,469; June 4.
- Reducer, for breathing apparatus. Pressure. P. E. Meidenbauer, Jr. 2,399,816; May 7.
- Reducer, Hat size. I. B. Miller. 2,406,700; Aug. 27.
- Reducer, Hat size. I. B. Miller. 2,406,701; Aug. 27.
- Reducing device, Control-force. T. A. Harris. 2,405,208; Aug. 6.
- Reducing machine, Tube. C. L. Dewey. 2,410,052; Oct. 29.
- Reducing the effect of interference. Method and apparatus for. W. S. Percival. 2,410,233; Oct. 29.
- Reducing the olefin content of an olefinic distillate. V. Haensel and V. N. Ipatieff. 2,401,636; June 4.
- Reducing the surface tension of liquids, Agent for. L. Leiserson. 2,404,913; July 30.
- Reduction of molybdenum trioxide. R. F. Rennie. 2,398,114; Apr. 9.
- Reel: See—
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| Cable reel. | Harvester reel. |
| Fire hose reel. | Photographic tank reel. |
| Fishing reel. | Winding reel. |
| Fishing rod and reel. | Thread advancing reel. |
| Hand reel. | |
- Reel. J. B. Barrett. 2,393,733; Jan. 29.
- Reel. O. S. Fowler. 2,397,975; Apr. 9.
- Reel. M. G. Hinneken. 2,395,358; Feb. 26.
- Reel. L. Hornbostel. 2,392,148; Jan. 1.
- Reel. W. McArthur. 2,400,589; May 21.
- Reel, and holding means, Wire. M. Camras. 2,397,087; Mar. 26.
- Reel, Fishing. J. Fiori. 2,404,702; July 23.
- Reel for harvesters, Pickup. H. C. Sage. 2,413,072; Dec. 24.
- Reel for liquid dispensing apparatus, Hose. R. J. Jauch, S. Hinds, and F. W. Sturm. 2,397,267; Mar. 26.
- Reel for threshers, Feeder. C. W. Schooler. 2,393,823; Jan. 29.
- Reel mechanism, Power-driven wire. T. C. Smith and H. D. Brown. 2,401,518; June 4.
- Reel or beam. E. W. Powell. 2,411,937; Dec. 3.
- Reel structure. T. J. Morgan and A. S. Dearborn. 2,392,492; Jan. 8.
- Reeler, Hose. T. N. Warkentin. 2,396,451; Mar. 12.
- Reeling mechanism. W. P. Lear. 2,409,132; Oct. 8.
- Reeling mechanism. E. R. Ziegler. 2,401,809; June 11.
- Reeling mechanism, Wire. N. H. Nye and W. E. Rogers. 2,407,899; Sept. 17.
- Refining process. R. C. Brandon. 2,394,978; Feb. 19.
- Reflection of glass, Reduction in. G. L. Dimmick. 2,397,929; Apr. 9.
- Reflectorometer correction network. S. P. Ghosh. 2,412,393; Dec. 10.
- Reflector button sign. M. C. Almes. 2,413,538; Dec. 31.
- Reflector, Color selective. G. L. Dimmick. 2,412,496; Dec. 10.
- Reflector, Reflex light. P. V. Palmquist, B. S. Cross, and G. P. Netherly. 2,407,680; Sept. 17.
- Reflectors, Production of. H. H. Snyder and E. H. Bennett. 2,394,116; Feb. 5.
- Reforming. A. B. Welty, Jr. 2,406,117; Aug. 20.
- Refractometer. H. W. Straat. 2,394,949; Feb. 12.
- Refractometer for chemical reactions. R. B. Barnes. 2,413,208; Dec. 24.
- Refractories. R. E. Griffith. 2,394,304; Feb. 5.
- Refractories, Plastic bonding basic. R. A. Schoenlaub. 2,406,909; Sept. 3.
- Refractory articles, Treating. T. H. D. Burke. 2,407,868; Sept. 17.
- Refractory, Basic cast. T. E. Field. 2,409,844; Oct. 22.
- Refractory for furnace linings, Bonded. J. S. C. Perry and A. T. Prince. 2,410,359; Oct. 29.
- Refractory materials, Treatment of. R. A. Schoenlaub. 2,406,910; Sept. 3.
- Refractory product, Cast. T. E. Field. 2,408,305; Sept. 24.
- Refractoscope. G. W. Willard. 2,401,381; June 4.
- Refrigerant compressor valve arrangement. F. I. Rataiczak. 2,413,653; Dec. 31.
- Refrigerant control and expansion apparatus. J. N. Roth. 2,413,336; Dec. 31.
- Refrigerant distributing means. F. Y. Carter. 2,409,661; Oct. 22.
- Refrigerant evaporator. B. C. Johnson. 2,411,376; Nov. 19.
- Refrigerant vapor system. W. E. Trumpler. 2,411,347; Nov. 19.
- Refrigerants, and making them. A. F. Renning, F. B. Downing, R. J. Plunkett. 2,393,304; Jan. 22.
- Refrigerating and conditioning system for vehicles. G. B. Pirnie. 2,394,201; Feb. 5.
- Refrigerating and heating installation. P. Schlumbohm. 2,396,887; Mar. 19.
- Refrigerating apparatus. D. F. Alexander. 2,400,329; May 11.
- Refrigerating apparatus. G. M. Armstrong. 2,413,597; Dec. 31.
- Refrigerating apparatus. L. W. Atchison. 2,405,392; Aug. 6.
- Refrigerating apparatus. F. Y. Carter. 2,402,802; June 25.
- Refrigerating apparatus. E. S. Dybvig. 2,405,411; Aug. 6.
- Refrigerating apparatus. A. V. Frohnagel. 2,411,419; Nov. 19.
- Refrigerating apparatus. J. L. Gibson. 2,394,166; Feb. 5.
- Refrigerating apparatus. T. B. Gilliam. 2,403,275; July 2.
- Refrigerating apparatus. C. D. Graham and E. S. Dybvig. 2,401,560; June 4.
- Refrigerating apparatus. R. D. Heitche. 2,401,827; June 11.
- Refrigerating apparatus. W. W. Higham. 2,403,528; July 9.
- Refrigerating apparatus. T. C. Killoran. 2,401,426; June 4.
- Refrigerating apparatus. A. A. McCormack. 2,405,042; July 30.
- Refrigerating apparatus. A. F. McMahon. 2,411,833; Nov. 26.
- Refrigerating apparatus. R. H. Money and J. W. Craig. 2,412,904; Dec. 17.
- Refrigerating apparatus. C. H. Nauert. 2,407,721; Sept. 17.
- Refrigerating apparatus. G. C. Pearce and A. O. Grooms. 2,396,284; Mar. 12.
- Refrigerating apparatus. A. J. Pedigo. 2,410,232; Oct. 29.
- Refrigerating apparatus. C. F. Petkewitz. 2,406,629; Aug. 28.
- Refrigerating apparatus. L. A. Philipp. 2,401,793; June 11.
- Refrigerating apparatus. L. A. Philipp. 2,410,360; Oct. 29.
- Refrigerating apparatus. L. A. Philipp. 2,411,461; Nov. 29.
- Refrigerating apparatus. F. I. Rataiczak. 2,395,065; Feb. 19.
- Refrigerating apparatus. I. S. Ritter. 2,405,448; Aug. 6.
- Refrigerating apparatus. S. M. Schweller. 2,411,296; Nov. 19.
- Refrigerating apparatus. J. A. Smith. 2,410,310; Oct. 29.
- Refrigerating apparatus. R. H. Swart. 2,398,262; Apr. 9.
- Refrigerating apparatus, Absorption. W. G. Kögel. 2,402,413; June 18.
- Refrigerating apparatus, Absorption. W. G. Kögel and N. E. Widell. 2,402,415; June 18.
- Refrigerating apparatus, Intermittent absorption or adsorption. N. Erland and Kleen. 2,393,241; Jan. 22.
- Refrigerating apparatus of the compression type. R. Hintze. 2,396,573; Mar. 12.
- Refrigerating apparatus of the compression type. R. Hintze. 2,402,420; July 2.
- Refrigerating container. C. E. Hadsell. 2,393,245; Jan. 22.
- Refrigerating device, Portable. L. F. Clerc. 2,400,742; May 21.
- Refrigerating machine. F. O. Urban. 2,404,010; July 16.
- Refrigerating machine. F. O. Urban. 2,404,112; July 16.
- Refrigerating mechanism. G. Mully. 2,407,794; Sept. 17.
- Refrigerating method and apparatus. N. E. MacLean. 2,404,511; July 23.
- Refrigerating system. R. U. Berry. 2,400,334; May 14.
- Refrigerating system. W. E. Dodson. 2,400,335; May 14.
- Refrigeration. G. A. Brace. 2,395,392; Feb. 26.
- Refrigeration. G. A. Brace. 2,410,334; Oct. 29.
- Refrigeration. F. A. Grossman. 2,393,630; Jan. 29.
- Refrigeration. R. M. Buffington. 2,400,138; May 14.
- Refrigeration. A. H. Charland. 2,401,460; June 4.
- Refrigeration. A. H. Charland. 2,401,613; June 4.
- Refrigeration. C. C. Coons. 2,400,101-2; May 14.
- Refrigeration. P. Edberg. 2,399,916; May 7.
- Refrigeration. A. G. Gross. 2,401,300; June 4.
- Refrigeration. A. G. Gross. 2,410,342; Oct. 29.
- Refrigeration. F. A. Grossman. 2,399,922; May 7.
- Refrigeration. W. H. Kitto. 2,410,292; Oct. 29.
- Refrigeration. W. G. Kögel. 2,402,414; June 18.
- Refrigeration. W. G. Kögel. 2,402,416; June 18.
- Refrigeration. W. G. Kögel and N. E. Widell. 2,402,417; June 18.
- Refrigeration. J. G. Reid, Jr. 2,400,137; May 14.
- Refrigeration. A. D. Siedle. 2,400,214; May 14.
- Refrigeration. D. Siedle. 2,401,385; June 4.
- Refrigeration. D. G. Snellie. 2,400,215; May 14.
- Refrigeration. O. B. Sutton. 2,405,169; Aug. 6.
- Refrigeration apparatus. A. Hiller. 2,409,279; Oct. 15.
- Refrigeration apparatus. W. P. Jones. 2,407,159; Sept. 3.
- Refrigeration apparatus. W. Peglow. 2,392,689; Jan. 8.
- Refrigeration cycle, Absorption. G. W. Miller, E. L. Kells, and D. H. Larsen. 2,408,802; Oct. 8.
- Refrigeration expansion valve. E. J. Dillman and F. Y. Carter. 2,408,919; Oct. 8.
- Refrigeration, Intermittent absorption or adsorption type. N. Erland and Kleen. 2,401,233; May 28.
- Refrigeration, Low-temperature chamber. E. Lodwig. 2,405,895; Aug. 13.
- Registration process and apparatus. J. A. Ball. 2,399,975; May 7.
- Registration system. W. L. McGrath. 2,403,818; July 9.
- Registration system. B. E. Shaw and W. W. Wood. 2,393,123; Jan. 15.
- Registration system. J. R. Zwickl. 2,392,894; Jan. 15.

- Refrigerator. D. E. Dailey. 2,393,238; Jan. 22.
 Refrigerator. G. L. C. Earle. 2,400,634; May 21.
 Refrigerator. N. F. Haas. 2,394,684; Feb. 12.
 Refrigerator. A. T. Millott and E. C. Graham. 2,408,895; Oct. 8.
 Refrigerator. G. Muffy. 2,410,672; Nov. 5.
 Refrigerator. C. E. Quinn. 2,400,135; May 14.
 Refrigerator. H. E. Rosebrook. 2,409,069; Oct. 8.
 Refrigerator. H. E. Rosebrook and H. F. Powell. 2,408,582; Oct. 1.
 Refrigerator. H. van Doren. 2,408,460; Oct. 1.
 Refrigerator assembly. D. E. Dailey. 2,392,727; Jan. 8.
 Refrigerator, Bottle dispensing. F. P. Payne. 2,408,444; Dec. 24.
 Refrigerator motor-compressor mounting. W. P. Jones. 2,407,014; Sept. 3.
 Refuse body. J. F. Heil and A. H. Samuelsen. 2,406,015; Aug. 20.
 Regenerative bass compensation circuit. H. Toomin. 2,408,242; Sept. 24.
 Regenerative furnace. K. C. Gehring and S. T. Puryear. 2,400,300; May 14.
 Regenerator, Cocurrent-counter-current. E. A. Johnson. 2,401,739; June 11.
 Register, Air. C. Davies. 2,395,319; Feb. 19.
 Register and printer, Instrument-reading. J. T. Potter. 2,393,186; Jan. 15.
 Register, Consumption. F. S. and R. B. Beach. 2,394,972; Feb. 19.
 Register, Game. A. W. Dew. 2,405,690; Aug. 13.
 Register operating mechanism. C. F. Root. 2,396,390; Mar. 12.
 Registering device, Punch board. J. S. Hadesbeck. 2,406,608; Aug. 27.
 Reglet. J. J. Fry. 2,405,202; Aug. 6.
 Regulated liquid pressures, System for producing. W. C. Clothier, B. Naylor, and J. E. P. Dunning. 2,407,139; Sept. 3.
 Regulated system. D. M. Lawrence. 2,403,381; July 2.
 Regulating apparatus. L. K. Hedding. 2,399,185; Apr. 30.
 Regulating apparatus. W. H. Smith. 2,397,213; Mar. 26.
 Regulating apparatus, Compressor. P. A. Condit and K. Ruhl. 2,401,910; June 11.
 Regulating apparatus, Electrical. W. C. Sealey. 2,399,943; May 7.
 Regulating apparatus for boilers, Feed water. W. L. Hunter. 2,411,728-9; Nov. 26.
 Regulating apparatus for boilers, Feed water. H. Schlieder. 2,401,512; June 4.
 Regulating apparatus, Power supply. W. M. Smith. 2,407,853; Sept. 17.
 Regulating device. E. E. Hewitt and R. E. Watson. 2,402,400; June 18.
 Regulating device, Electrically operating. A. Krüssmann. 2,399,872; May 7.
 Regulating device for friction-cone clutches. E. Bodmer. 2,409,013; Oct. 8.
 Regulating device for internal-combustion engines, Automatic mixture. R. de Filippis. 2,406,282; Aug. 20.
 Regulating means, Engine. F. C. Reggio. 2,403,398; July 2.
 Regulating means for pressure cabins. B. E. Del Mar. 2,407,257; Sept. 10.
 Regulating means, Pilot controlled. D. G. Griswold. 2,410,876; Nov. 12.
 Regulating mechanism. T. W. Moore. 2,396,593; Mar. 12.
 Regulating mechanism. T. W. Moore. 2,396,595-6; Mar. 12.
 Regulating system. C. C. Levy. 2,399,363; Apr. 30.
 Regulating system. J. E. Reilly. 2,399,388; Apr. 30.
 Regulating system, Electrical. R. C. Olesen. 2,408,001; Sept. 24.
 Regulating system for dynamo-electric machines. E. H. Stivender. 2,392,426; Jan. 8.
 Regulating system, Rectifier. S. L. Christie. 2,403,637; July 9.
 Regulating valve. W. H. Du Bois. 2,402,317; June 18.
 Regulating valve. H. B. Schultz. 2,404,102; July 16.
 Regulation of the scavenging and charging of two-stroke fuel injection internal combustion engines. B. Bolli. 2,403,844; July 9.
 Regulator; See—
 Aircraft breathing regulator. Draft regulator.
 Bottom hole regulator. Electric regulator.
 Cabin pressure regulator. Electronic voltage regulator.
 Cable tension regulator. Fluid pressure regulator.
 Carbon pile electric regulator. Generator regulator.
 Carbon pile regulator. Heat regulator.
 Carbon pile voltage regulator. Oxygen demand regulator.
 Consistency regulator. Resistance regulator.
 Control cable regulator. Timerpiece regulator.
 Current regulator. Voltage regulator.
 Window regulator.
 Regulator. B. O. Austin. 2,393,951; Feb. 5.
 Regulator. B. O. Austin. 2,408,188; Sept. 24.
 Regulator. J. E. Bevins. 2,403,332; July 2.
 Regulator. J. L. Kimball. 2,404,849; July 30.
 Regulator. J. Peterson. 2,403,393; July 2.
 Regulator. L. H. Von Ohlsen. 2,404,674; July 23.
 Regulator and choke, Bottom hole. A. Boynton. 2,394,977; Feb. 19.
 Regulator circuit. L. P. Paradise and W. F. Auerbacher. 2,401,965; May 28.
 Regulator for aircraft, Air speed. G. N. Hanson. 2,391,896; Jan. 1.
 Regulator for drill presses, Threading. W. C. Glover, Jr. 2,404,053; July 16.
 Regulator for electrical appliances, Temperature. B. F. Waddell. 2,402,354; June 18.
 Regulator for electron discharge devices, Voltage. R. B. Dome. 2,404,624; July 23.
 Regulated mechanism unit. J. B. Parsons. 2,400,572; May 21.
 Regulator stabilizer. F. D. Burns. 2,397,127; Mar. 26.
 Regulator system. S. B. Crary. 2,411,710; Nov. 26.
 Regulator system. F. E. Crever and L. C. Calder. 2,412,442; Dec. 10.
 Regulator system, Current and voltage. R. M. Bowie. 2,394,891; Feb. 12.
 Regulator with pressure loaded carbon-pile column, Electric current. W. Kehse. 2,403,534; July 9.
 Regulator with self-adjusting arm, Window. C. M. Verhagen. 2,401,673; June 4.
 Regulators, Control for. M. W. Crew. 2,401,553; June 4.
 Reinforced door of wood and/or insulating material. J. B. Een. 2,399,666; May 7.
 Reinforced gas burner. H. D. Dufault. 2,409,421; Oct. 15.
 Rejecting mechanism, Article. G. C. Abbott. 2,410,037; Oct. 29.
 Relasting machine. A. Perri. 2,409,447; Oct. 15.
 Relative humidity meter. F. Kahn. 2,411,041; Nov. 12.
 Relay. M. A. Bostwick and H. W. Lensner. 2,406,584; Aug. 27.
 Relay. F. A. Cox. 2,412,968; Dec. 24.
 Relay. M. Fiehl. 2,394,601; Feb. 12.
 Relay. S. L. Goldsborough. 2,393,983; Feb. 5.
 Relay. J. H. Horman. 2,412,580; Dec. 17.
 Relay. T. J. Judge. 2,396,048; Mar. 5.
 Relay. A. J. McMaster and L. Jacobson. 2,405,319; Aug. 6.
 Relay. A. J. McMaster and D. A. A. Young, Jr. 2,398,657; Apr. 16.
 Relay. S. Wald. 2,399,901; May 7.
 Relay. V. Weber. 2,398,681; Apr. 16.
 Relay arrangement for electric power systems. A. R. van C. Warrington. 2,405,061; July 30.
 Relay arrangement, Out-of-step. A. E. van C. Warrington. 2,405,083; July 30.
 Relay construction. F. R. McBERTY. 2,396,332; Mar. 12.
 Relay construction. F. R. McBERTY. 2,409,054; Oct. 8.
 Relay. Control circuit. J. B. Owens and R. H. Hiltson. 2,404,982; July 30.
 Relay, Cutout. G. L. Webb. 2,412,792; Dec. 17.
 Relay, Delayed action. M. N. Yardeny. 2,410,325; Oct. 29.
 Relay device. L. Hanff. 2,407,418; Sept. 10.
 Relay device, Electromagnetic. J. A. Favre. 2,410,279; Oct. 29.
 Relay, Electrical. A. H. Lamb. 2,398,651; Apr. 16.
 Relay, Electromagnetic. J. H. Horman. 2,407,744; Sept. 17.
 Relay, Electromagnetic. S. H. Townner and P. A. Childs. 2,411,563; Nov. 26.
 Relay, Electromagnetic. F. E. Wood. 2,397,635; Apr. 2.
 Relay, Electromagnetic. F. E. Wood. 2,400,452; May 14.
 Relay, Electromagnetic. F. E. Wood. 2,404,469; July 23.
 Relay for direct current generator battery systems, Reverse current. J. W. Allen. 2,397,938; Apr. 9.
 Relay for fluorescent lamps, Thermal. H. J. McCarthy. 2,413,363; Dec. 31.
 Relay, Mercury. U. C. Hedlin. 2,393,904; Jan. 29.
 Relay, Meter. F. G. Kelly. 2,395,669; Feb. 26.
 Relay of the fluid jet type, Mechanical. R. C. Braithwaite and K. W. Todd. 2,408,603; Oct. 1.
 Relay of the fluid jet type, Mechanical. K. W. Todd. 2,397,448; Mar. 26.
 Relay of the fluid jet type, Mechanical. K. W. Todd. 2,408,705; Oct. 1.
 Relay, Overload. G. C. Armstrong. 2,399,311; Apr. 30.
 Relay, Overload. G. C. Armstrong. 2,411,351; Nov. 19.
 Relay protective arrangement. A. R. van C. Warrington. 2,405,080; July 30.
 Relay protective arrangement. A. R. van C. Warrington. 2,405,082; July 30.
 Relay, Retarded. L. W. Droel. 2,407,633; Sept. 17.
 Relay, Simplified ground. S. L. Goldsborough. 2,408,208; Sept. 24.
 Relay, Sound operated. J. W. Conn. 2,391,882; Jan. 1.
 Relay switch. H. E. Malone. 2,402,173; June 18.
 Relay system. H. W. Lensner. 2,406,617; Aug. 27.
 Relay system, Half-cycling protective. J. R. Fletcher and R. S. Phair. 2,394,903; Feb. 12.
 Relay system, Radiation sensitive. J. R. Schick. 2,413,076; Dec. 24.
 Relay system, Radio. R. W. Bumstead. 2,401,333; June 4.

- Relay, Timing. R. B. Immel. 2,397,181; Mar. 26.
 Relay, Tuned audio. P. E. Fischler. 2,392,981; Jan. 15.
 Relaying apparatus. Modified characteristic. H. J. Carlin. 2,399,322; Apr. 30.
 Relaying, Carrier-current. H. W. Lensner. 2,406,615; Aug. 27.
 Relaying means, Universal sequence-current. W. K. Sonnemann. 2,406,411; Aug. 27.
 Relaying, Multiterminal pilot-wire. J. Kisch. 2,400,997; May 28.
 Relaying system, Carrier-current phase-angle. A. C. Meuring, II. W. Lensner, and S. L. Goldsborough. 2,408,868; Oct. 8.
 Relaying system, Carrier-current protective. H. W. Lensner. 2,406,616; Aug. 27.
 Releaseable pin. J. P. Butterfield. 2,405,400; Aug. 6.
 Release device, Dump rake toggle. N. D. Colvin. 2,399,789; May 7.
 Release device, Overload. M. O. Dean. 2,394,669; Feb. 12.
 Release for motor vehicles, Automatic emergency brake. H. Moran. 2,411,032; Nov. 26.
 Release for parachute harness, Single point. L. M. Johnston. 2,404,909; July 30.
 Release for rockable arms, Overload. C. W. Mott. 2,409,511; Oct. 15.
 Release for the spool-holder of surgical stitching instruments, Auxiliary. J. D. Karle. 2,393,911; Jan. 29.
 Release means for parachute harness, Instant. W. H. Fausz. 2,406,209; Aug. 20.
 Release, Mechanical. L. P. Frieder and W. S. Finken. 2,406,010; Aug. 20.
 Release mechanism, Antenna. J. H. Hammond, Jr. 2,411,828; Nov. 26.
 Release mechanism, Chuck. A. M. Stoner. 2,406,444; Aug. 27.
 Release mechanism, Impact operated. T. H. Carpenter. 2,395,252; Feb. 19.
 Release mechanism, Sear. L. H. McClure, Jr. 2,404,881; July 30.
 Release, Overload. F. J. Wright. 2,408,501; Oct. 1.
 Release system, High-speed. H. C. Roters. 2,402,580; June 25.
 Releasing device. B. Johnsen. 2,413,450; Dec. 31.
 Releasing device, Pipe. O. J. McCullough. 2,407,991; Sept. 24.
 Releasing mechanism, Cockpit enclosure. W. T. Immen-schuh. 2,401,076; May 28.
 Releasing mechanism, Quick, high precision ball. T. O. Brandon. 2,399,199; Apr. 30.
 Relief valve. J. A. Compton and N. W. Horn. 2,393,589; Jan. 29.
 Relief valve. M. A. Mathys. 2,411,930; Dec. 3.
 Relief valve. H. H. Walley, Jr. 2,406,178; Aug. 20.
 Relief valve. G. W. Wolcott. 2,400,861; May 21.
 Remote control. H. V. Alexandersson and C.-E. Granqvist. 2,395,708; Feb. 26.
 Remote-control apparatus. L. E. Hayslett and F. H. Osborne. 2,400,088; May 14.
 Remote-control apparatus. M. N. Yardeny. 2,403,161; July 2.
 Remote control apparatus with unidirectional stopping. M. N. Yardeny. 2,405,629; Aug. 13.
 Remote control device, Electrical. H. G. Conway. 2,397,922; Apr. 9.
 Remote control device, Hydraulic. R. Lucien. 2,412,053; Dec. 3.
 Remote-control firing mechanism for machine guns. G. R. Oscar and W. S. Boals. 2,410,100; Oct. 29.
 Remote control for automotive vehicle transmissions. T. Backus and C. H. Parrish, Jr. 2,399,613; May 7.
 Remote control for evaporative coolers. W. W. McReynolds. 2,413,150; Dec. 24.
 Remote control frequency selector system. J. M. Brian. 2,413,211; Dec. 24.
 Remote control installation, Note-frequency. H. Fröhlich. 2,396,944; Mar. 19.
 Remote control of fluid pressure actuated apparatus. S. R. Cain. 2,407,812; Sept. 17.
 Remote control of guns in elevation and train. G. E. Twining and J. J. Torrance. 2,397,172; Mar. 26.
 Remote control of internal-combustion engines and clutches employed in ship propulsion, System for the R. R. Donaldson. 2,404,951; July 30.
 Remote control of radio receivers. R. E. Schock. 2,404,101; July 31.
 Remote control, Synchronous. G. Olsh. 2,401,501; June 4.
 Remote control system. G. W. Baughman. 2,394,971; Feb. 19.
 Remote-control system. G. W. Baughman. 2,396,812; Mar. 19.
 Remote-control system. G. W. Baughman. 2,397,401; Mar. 26.
 Remote-control system. G. W. Baughman. 2,398,572; Apr. 16.
 Remote control system. G. S. Brown and J. W. Forrester. 2,409,190; Oct. 15.
 Remote control system. J. C. Clark. 2,398,519; Apr. 16.
 Remote-control system. J. W. Conklin. 2,403,053; July 2.
 Remote control system. J. W. Conklin. 2,410,599; Nov. 5.
 Remote-control system. W. U. Dent. 2,397,539; Apr. 2.
 Remote-control system. C. de Ganahl. 2,393,892; Jan. 29.
 Remote control system. A. P. Jackel. 2,411,375; Nov. 19.
 Remote control system. R. M. Laurensen. 2,394,080; Feb. 5.
 Remote control system. L. V. Lewis. 2,409,051; Oct. 8.
 Remote control system. L. V. Lewis. 2,409,696; Oct. 22.
 Remote-control system. A. B. Miller. 2,398,588; Apr. 16.
 Remote-control system. R. L. Novak. 2,406,848; Sept. 3.
 Remote control system. A. J. Sorensen. 2,396,134; Mar. 5.
 Remote-control system. B. Thomson. 2,399,954; May 7.
 Remote control system. E. C. Wahlberg. 2,405,678; Aug. 13.
 Remote control system. W. F. Wolfner, II. 2,411,007; Nov. 26.
 Remote-control system and apparatus. A. G. Cooley. 2,411,147; Nov. 19.
 Remote control system by variable frequency signals. A. L. de Beyer. 2,396,091; Mar. 5.
 Remote-control system, Electric. B. Thomson. 2,399,956; May 7.
 Remote-control system, Fluid pressure. P. W. Thornhill. 2,398,870; Apr. 23.
 Remote indicating means. N. R. Richmond. 2,393,189; Jan. 15.
 Remote indicator. A. W. Borsum. 2,397,527; Apr. 2.
 Remote-operating control device. D. E. Marsh. 2,395,563; Feb. 26.
 Removable shoulder pad. A. Friedman. 2,408,840; July 2.
 Removal system, Fly ash. E. C. Webb. 2,400,797; May 21.
 Remover and filter, Dust. C. G. Vokes and E. A. Stokes. 2,406,177; Aug. 20.
 Remover for sweep wheels or the like for repairing tires. E. Gotlieb. 2,403,216; July 2.
 Remover, Ice. C. J. Beck. 2,400,906; May 28.
 Remover, Moisture. L. A. Heintzelman. 2,402,140; June 18.
 Removers and support therefor, Cap. M. H. Hill. 2,404,066; July 16.
 Rendering bombs inactive. N. M. Hopkins. 2,404,441; July 23.
 Repairing apparatus, Tire. T. Norcross. 2,399,937; May 7.
 Repeater. Electronic regenerative. M. Morrison. 2,406,096; Aug. 20.
 Repeater for multiway balanced loop repeaters, Regenerative. W. T. Rea. 2,392,339; Jan. 8.
 Repeater, Radio. J. E. Smith. 2,405,765; Aug. 13.
 Repeater system, Telegraph. F. H. Fay and E. W. Reeve. 2,408,304; Sept. 24.
 Repeater, Tone frequency signal. W. E. Simpson. 2,404,754; July 23.
 Repeating flash and synchronizing apparatus. C. L. Oswald. 2,395,500; Feb. 26.
 Repellent composition and preparing the same, Water. J. E. Smith and P. J. Mitchell, Jr. 2,402,351; June 13.
 Repellent compositions, Insect. H. A. Jones and B. V. Travis. 2,400,006; May 7.
 Repellent, Insect. S. I. Gertler. 2,411,720; Nov. 26.
 Reproducing and projecting apparatus. S. Blanc. 2,411,514; Nov. 26.
 Reproducing apparatus, Electrical sound. H. C. Warner. 2,403,696; July 9.
 Reproducing device, Motion. J. D. Tear. 2,397,819; Apr. 2.
 Reproducing images from opaque surfaces. P. Taber and L. W. Vau. 2,392,345; Jan. 8.
 Reproducing instrument, Pressure. A. J. Rosenberger. 2,405,979; Aug. 20.
 Reproducing mechanism, Motion. W. H. Newell. 2,405,046; July 30.
 Reproducing signals, Visually. L. A. de Rosa. 2,408,050; Sept. 24.
 Reproducing system, Record. C. M. Sিনnett and H. Belar. 2,408,695; Oct. 1.
 Reproduction, Drawing. R. J. Wirshing and F. E. Smith. 2,407,596; Sept. 10.
 Reproduction of a face. H. Janson. 2,399,121; Apr. 23.
 Rerolike. C. R. Dun. 2,395,175; Feb. 19.
 Rerecording method and system, Automatic. C. O. Snyfield. 2,402,095; June 11.
 Reservoir for cooking stoves, Water. W. P. Biddle, Jr. 2,393,581; Jan. 29.
 Reservoir for ink bottles, Auxiliary. E. C. Schweppe. 2,403,242; July 2.
 Reservoir for liquids. G. D. Marcy. 2,392,288; Jan. 1.
 Reset valve. J. L. Ewing. 2,395,470; Feb. 26.
 Resilient snap action thermal limit switch. H. Ulanet. 2,394,121; Feb. 5.
 Resilient axle support. J. M. Hait. 2,393,369; Jan. 22.
 Resilient car wheel. D. P. Steward. 2,396,029; Mar. 5.
 Resilient mechanical wheel. W. O. Beyer and T. R. Tarr. 2,402,594; June 25.
 Resilient mounting. R. L. Wells and G. H. Welch. 2,399,414; Apr. 30.
 Resilient mounting. T. L. Yates. 2,401,449; June 4.

- Resilient nonmetallic bearing. M. R. Buffington and E. G. Jegge. 2,397,124; Mar. 26.
- Resilient unit for operation in tension. C. J. Underwood. 2,395,595; Feb. 26.
- Resilient vehicle wheel. A. H. Tracy. 2,393,721; Jan. 29.
- Resilient wheel. A. O. Williams. 2,392,562; Jan. 8.
- Resilient wheel. C. E. Workman. 2,404,581; July 23.
- Resiliently mounted conveyor. M. S. Bowen. 2,396,079; Mar. 5.
- Resiliently supported shear block. W. J. Miller. 2,405,598; Aug. 13.
- Resin, Alkyd. E. G. Peterson. 2,399,692; May 7.
- Resin bonded abrasives. L. Coes, Jr. 2,401,138; May 28.
- Resin composition. Oil-modified. A. P. Mazzucchelli. 2,413,412; Dec. 31.
- Resin compositions and making them, Proteinaacetone. F. A. Hessel and J. B. Rust. 2,398,307; Apr. 9.
- Resin, Explosive synthetic. H. A. Bruson and G. B. Butler. 2,400,806; May 21.
- Resin-fiber article and making the same. E. E. Sawyer. 2,409,645; Oct. 22.
- Resin gel, Pigmented. H. A. Toulmin, Jr. 2,408,353; Sept. 24.
- Resin molding composition. G. W. Whitehead. 2,407,943; Sept. 17.
- Resin production. J. J. O'Neill. 2,392,497; Jan. 8.
- Resin, Refining. E. D. Lee. 2,409,216; Oct. 15.
- Resin, Rosin ester, modified dicarboxylic acid-glycol. Spiller. 2,411,904; Dec. 3.
- Resin, Shellac modified. M. J. Scott. 2,404,892; July 30.
- Resin, Synthetic. M. J. Scott. 2,409,906; Oct. 22.
- Resinate. H. M. Spurlin. 2,403,767; July 9.
- Resinate. H. M. Spurlin. 2,404,255; July 16.
- Resinous composition and producing the same. H. C. Woodruff. 2,409,332; Oct. 15.
- Resinous composition for wire coatings and the like. A. O. Blades. 2,397,592; Apr. 2.
- Resinous compositions. R. S. Daniels. 2,398,361; Apr. 16.
- Resinous compositions. F. M. Murdock. 2,392,686; Jan. 8.
- Resinous compositions and electrical conductors insulated therewith. H. Foster. 2,403,215; July 2.
- Resinous compositions and making same. R. W. Auten and J. L. Rainey. 2,407,599; Sept. 10.
- Resinous compositions and plasticizers therefor. C. C. Clark. 2,398,882; Apr. 23.
- Resinous condensates, Water-soluble. W. L. Morgan. 2,408,832; Sept. 24.
- Resinous condensation products. W. O. Kenyon and W. F. Fowler, Jr. 2,397,548; Apr. 2.
- Resinous condensation products and molding compositions produced therefrom. F. J. W. Popham. 2,401,102; May 28.
- Resinous material. H. L. Gerhart. 2,397,600; Apr. 2.
- Resinous material. H. L. Gerhart. 2,398,889; Apr. 23.
- Resinous material and preparing the same. F. W. Kressman and F. W. Kressman, Jr. 2,413,326; Dec. 31.
- Resinous materials and production thereof. A. B. Hersberger. 2,395,730; Feb. 26.
- Resinous materials, Production of. D. E. Badertscher, H. G. Berger, and R. B. Bishop. 2,406,339; Aug. 27.
- Resinous reaction products of polyhydric alcohols and alpha-methylene aldehydes. H. S. Rothrock. 2,401,776; June 11.
- Resins, Acrylic. H. T. Neumann. 2,406,558; Aug. 27.
- Resins, Amination of amline-saccharide. S. Sussman. 2,392,105; Jan. 1.
- Resins and adhesives, and making same, Synthetic. G. H. Miller. 2,397,194; Mar. 26.
- Resins and making and using the same, Phenol-aldehyde. M. T. Harvey. 2,399,735; May 7.
- Resins and manufacture thereof, Synthetic. P. D. Morton and J. F. Olin. 2,403,450; July 9.
- Resins and preparing same, Ion exchange polyamine. J. W. Eastes. 2,402,884; June 18.
- Resins and preparing the same, Polyamine. C. E. Adams. 2,411,141; Nov. 19.
- Resins and production thereof, Cation exchange. J. R. Dudley. 2,408,615; Oct. 1.
- Resins, Chlorinated. O. W. Cass. 2,408,608; Oct. 1.
- Resins, Convertible alkyd. T. W. Evans and D. E. Adelson. 2,399,214; Apr. 30.
- Resins from thiazoles, Preparation of synthetic. J. K. Simons. 2,396,894; Mar. 19.
- Resins, Hard. F. P. Otto and O. M. Reiff. 2,394,560; Feb. 12.
- Resins, Hardenable urea-aldehyde. R. R. Harris. 2,413,624; Dec. 31.
- Resins made with lignin and heat reactive condensation products and preparing the same. M. T. Harvey. 2,404,840; July 30.
- Resins, Making esterified fossil. K. H. Weber. 2,394,731; Feb. 12.
- Resins, Making flame-resistant. H. J. Kauth. 2,396,575; Mar. 12.
- Resins, Modified alkyd. R. K. Iler, G. H. Latham, and J. W. Robinson. 2,395,550; Feb. 26.
- Resins, Modified type alkyd. H. L. Gerhart and L. M. Adams. 2,404,836; July 30.
- Resins of high chlorine content. O. W. Cass. 2,408,609; Oct. 1.
- Resins of vinyl type, Molding. W. S. Crowell and G. W. Birch. 2,403,172; July 2.
- Resins, Plasticized polystyrene-type. F. J. Soday. 2,400,892; May 28.
- Resins, Plasticized with high boiling aromatic oils, Polyacrylic and polymethacrylic. F. J. Soday. 2,413,259; Dec. 24.
- Resins, Preparing alkyd. E. C. Haines. 2,396,698; Mar. 19.
- Resins, Reduction of color in vinyl. W. M. Quattlebaum, Jr., and C. A. Noffsinger. 2,394,418; Feb. 5.
- Resins resulting from polymerization of an isopropenyl ketone, Stabilization of. D. E. Adelson and H. Dannenberg. 2,407,051; Sept. 3.
- Resins, Synthetic phenolic. C. H. Schuh. 2,411,557; Nov. 26.
- Resistance and forming same, Woven-wire. E. M. Patterson. 2,407,326; Sept. 10.
- Resistance and making same, Wire-wound. E. M. Patterson. 2,408,092; Sept. 24.
- Resistance device for generating oscillations or reducing damping, Negative. P. K. Chatterjee and C. T. Scully. 2,406,804; Sept. 3.
- Resistance device, Variable. M. J. Arvin. 2,401,037; May 28.
- Resistance devices, Making wire-wound, card-type. E. M. Patterson. 2,408,093; Sept. 24.
- Resistance element, Electrical. P. Robinson and S. O. Dorst. 2,405,449; Aug. 6.
- Resistance element, Electrical. A. R. Wejnarth. 2,406,275; Aug. 20.
- Resistance elements and the like, Electric. L. B. Pfeil. 2,400,255; May 14.
- Resistance, Gas flow. G. E. Fredericks. 2,406,141; Aug. 20.
- Resistance regulator. L. W. Thompson. 2,398,679; Apr. 16.
- Resistance unit. E. W. Davis. 2,392,030; Jan. 1.
- Resistance unit, Electrical. H. L. Coyne, J. J. Kuhn, and J. E. Ross. 2,408,046; Sept. 24.
- Resistance unit, Embedded. I. W. Cox and L. D. Drugmand. 2,396,087; Mar. 5.
- Resistance, Variable electrical. L. W. Miller. 2,408,503; Aug. 27.
- Resisters, Age. A. F. Hardman. 2,410,783; Nov. 5.
- Resistive device. F. H. Bullinger. 2,402,122; June 18.
- Resistive device and making. C. J. Ganci. 2,413,043; Dec. 24.
- Resistor. H. Christensen. 2,407,251; Sept. 10.
- Resistor. G. W. Davis. 2,405,192; Aug. 6.
- Resistor. N. Y. Priessman. 2,395,759; Feb. 26.
- Resistor and making. K. L. Woodman. 2,394,130; Feb. 5.
- Resistor and making same, Electrical. J. M. Zander. 2,398,686; Apr. 16.
- Resistor construction. J. Marsten. 2,412,462; Dec. 10.
- Resistor, Controllable. G. L. Pearson. 2,396,196; Mar. 5.
- Resistor device. J. Kleimack and G. L. Pearson. 2,407,288; Sept. 10.
- Resistor device. N. Y. Priessman. 2,394,479; Feb. 5.
- Resistor, Fixed. L. E. McFarren. 2,407,171; Sept. 3.
- Resistor, Shock proof electrical. E. F. Seaman. 2,397,568; Apr. 2.
- Resistor, Temperature sensitive. F. G. Smith. 2,407,750; Sept. 17.
- Resistor, Wire wound. D. R. Crosby and W. C. Kimmich. 2,397,408; Mar. 26.
- Resistor, Wire wound electrical. H. E. S. McLellan. 2,398,587; Apr. 16.
- Resistors for rubber, Age. A. F. Hardman. 2,411,427; Nov. 19.
- Resistors, Making electrical. H. F. Fruth. 2,400,404; May 14.
- Resolution of heterocyclic nitrogen compound mixtures. K. H. Engel. 2,404,167; July 16.
- Resonator. B. Cassen. 2,400,976; May 28.
- Resonator for discharge tubes. A. D. Blumlein. 2,408,782; July 9.
- Resonator for musical instruments. R. Naujoks and W. Naujoks. 2,400,592; May 21.
- Resonator for oscillators. D. H. Sloan. 2,404,542; July 23.
- Resonator, Tunable. N. E. Lindenblad. 2,401,489; June 4.
- Resonator, Variable cavity. J. C. Schelleng. 2,410,109; Oct. 29.
- Resonators, Vacuum tube utilizing cavity. D. H. Sloan. 2,405,763; Aug. 13.
- Respiration apparatus. A. M. Cahan. 2,391,877; Jan. 1.
- Respirator dust filter. H. L. Shock, Jr. 2,395,298; Feb. 19.
- Responsive device, Fixed temperature. F. C. Evans. 2,413,490; Dec. 31.
- Responsive means for controlling internal-combustion engines, Detonation. P. J. Costa. 2,407,652; Sept. 17.
- Responsive means, Viscosity. H. T. Booth. 2,400,910; May 28.
- Responsive or Indicating device, Impulse duration. O. T. Francis. 2,399,668; May 7.
- Rest attachments for telephone instruments, Cushion. J. P. Bourdus. 2,408,194; Sept. 24.
- Rest room for vehicles especially rail cars. J. Ledwinka and G. Trautvetter. 2,400,462; May 14.

- Restrictor, Variable. J. D. Buchanan. 2,402,729; June 25.
- Resuscitator. J. Kreiselman. 2,399,643; May 7.
- Resuscitator insuflator aspirator. Le R. G. Fox. 2,408,136; Sept. 24.
- Retainer for looms, Dot filling. R. M. Putnam. 2,398,597; Apr. 16.
- Retainer, Hair. C. C. Holden. 2,393,376; Jan. 22.
- Retainer, Threadless. W. Summerbell. 2,402,693; June 25.
- Retainer, Tool. A. J. Calaman. 2,406,132; Aug. 20.
- Retainer, Tool. M. O'Farrell. 2,400,206; May 14.
- Retaining device. P. F. Early. 2,412,804; Dec. 17.
- Retaining device. R. A. Goepfrich. 2,392,242; Jan. 1.
- Retaining action electric switch. C. E. Phillimore. 2,392,183; Jan. 1.
- Retarder. G. D. King and M. C. Dailey. 2,412,156; Dec. 3.
- Retarder, Thermal. C. M. Osterheld. 2,392,498; Jan. 8.
- Retarder, Thermal. C. M. Osterheld. 2,408,874; Oct. 8.
- Retarding device, Hydraulic dashpot. J. H. Abbink. Spink and A. Spencer. 2,403,321; July 2.
- Reticle, Luminous. W. L. Douden. 2,392,979; Jan. 15.
- Reticle, Optical. E. Stechbart. 2,393,832; Jan. 29.
- Reticles, Making. J. C. Bierman. 2,413,600; Dec. 31.
- Retort. H. S. Phillippson. 2,398,446; Apr. 16.
- Retort and hearth for stokers, Combination. T. C. Chesley. 2,392,460; Jan. 8.
- Retort type oil burner. E. J. Ashby. 2,409,095; Oct. 8.
- Retouching apparatus. E. L. Johnson. 2,404,134; July 16.
- Retractable landing gear. L. H. Height. 2,405,651; Aug. 13.
- Retractable landing gear. J. G. Villepigue. 2,403,835; July 9.
- Retractable landing gear. E. G. Ward. 2,392,892; Jan. 15.
- Retreading device, Tire. H. V. James. 2,411,687; Nov. 26.
- Retreading, Tire. F. H. Taber. 2,405,802; Aug. 13.
- Retting method. T. Earle. 2,407,227; Sept. 10.
- Reusable collapsible liquid carrying and dispensing, Container. H. F. Waters. 2,412,544; Dec. 10.
- Reverberatory furnace. T. Crnicel. 2,398,622; Apr. 16.
- Reverser for cameras, Image. W. C. Huebner. 2,408,855; Oct. 8.
- Reversible and variable-speed mechanism. H. J. Willmott. 2,410,915; Nov. 12.
- Reversible bobbin receiving bag. W. H. Wakefield. 2,411,947; Dec. 3.
- Reversible close quarter drill. L. F. Meunier. 2,392,097; Jan. 1.
- Reversible clutch. T. S. Briskin, J. C. Zivny, A. E. Schell-schmidt, and J. J. Golick. 2,408,506; Oct. 1.
- Reversible clutch. L. P. Crosman. 2,394,429; Feb. 5.
- Reversible fluid-operated and fluid-operating mechanism. R. J. L. Moineau. 2,409,688; Oct. 22.
- Reversible garment construction. J. L. Kleinman. 2,412,988; Dec. 24.
- Reversible releasable clutch. L. Spraragen. 2,406,644; Aug. 27.
- Reversible single-phase capacitor motor. W. E. Menzies. 2,407,894; Sept. 24.
- Reversible single phase motor. R. E. Mason. 2,406,430; Aug. 27.
- Reversible wheel. C. J. Haag. 2,410,579; Nov. 5.
- Reversing means, and transfer means, and yieldable pusher finger means in match book assembling mechanism, Combination. M. Spector. 2,413,659; Dec. 31.
- Reversing mechanism for power operated drills. C. L. Conner. 2,409,738; Oct. 22.
- Revivification apparatus, Char. R. S. Kent. 2,400,935; May 28.
- Rewind device. P. Baia. 2,392,966; Jan. 15.
- Rheostat. R. Abrahamson. 2,398,912; Apr. 23.
- Rheostat. E. C. Razatz. 2,402,773; June 25.
- Rheostat and potentiometer, Multiple. R. J. Miller. 2,398,758; Apr. 16.
- Ribbed dome hollow head valves, Manufacturing. T. R. Thoren and P. P. Johnson. 2,411,764; Nov. 26.
- Ribbing conveyor. C. M. Savnick. 2,397,158; Mar. 26.
- Ribs to umbrella covers, Attaching. D. Gershman. 2,413,617; Dec. 31.
- Ribboflavin and intermediates therefor, Synthesis of. J. Kamlet. 2,408,774; Sept. 3.
- Ribboflavin, Aqueous solution of. H. C. Miller. 2,395,378; Feb. 19.
- Ribboflavin concentrates, Preparation of. A. Leviton. 2,413,055; Dec. 24.
- Riboflavin derivatives and preparing the same. G. J. Haas. 2,398,706; Apr. 16.
- Riboflavin, Production of. H. O. Piersma. 2,400,710; May 21.
- Ricer, Potato. O. V. Malmquist. 2,396,959; Mar. 19.
- Riffer for cellulose stock. W. E. Henry. 2,394,378; Feb. 5.
- Rifling. J. C. Garand. 2,397,544; Apr. 2.
- Rig, Lumber or pipe carrying. N. F. Watkins. 2,399,304; Apr. 30.
- Rig, Saw. H. W. Okeson. 2,400,595; May 21.
- Rigging, Brake. W. A. Gantner. 2,402,389; June 18.
- Rigging, Brake. W. F. Holth. 2,394,362; Feb. 5.
- Rigging, Brush. R. W. Groot. 2,413,560; Dec. 31.
- Rigging, Brush. W. J. Morrill. 2,399,935; May 7.
- Rigging, Brush. E. N. Olson. 2,404,246; July 16.
- Rigging for handling drums and barrels. E. W. Ashenden. 2,413,280; Dec. 31.
- Rigging, Logging. J. A. Jensen. 2,396,790; Mar. 19.
- Rigging, Railway draft. G. B. Dath. 2,403,583; July 9.
- Rim, Separable. L. B. Russell, Jr. 2,409,901; Oct. 22.
- Rim structure for wheels. E. Porter. 2,395,064; Feb. 19.
- Ring. See—
- Diaphragm-engaging ring. Piston rod packing retain-
Electronic counting ring. or ring.
Finger ring. Reaction ring.
Flexible packing or sealing ring. Sealing ring.
Lock ring. Segmental piston ring.
Lubricated traveler ring. Spinning and twisting ring.
Piston ring. Twister ring.
- Ring and assembly comprising the same, Sealing. J. M. W. Chamberlain. 2,396,491; Mar. 12.
- Ring and the like, Key. L. Kuhl. 2,410,951; Nov. 12.
- Ring and aligning and assembling fastener bracket. R. W. McLaren. 2,399,053; Apr. 23.
- Ring binder structure, Making. J. Schade. 2,399,062; Apr. 23.
- Ring compounds, Synthesizing. C. B. Pollard and L. J. Kitten. 2,400,022; May 14.
- Ring for propellers, Thrust. B. J. Paulson. 2,396,340; Mar. 12.
- Ring gauge. E. F. and G. Hohwart. 2,413,566; Dec. 31.
- Ring manufacture, Split. C. M. Cummins. 2,410,204; Oct. 29.
- Rings, Making piston. L. T. Barnes. 2,397,308; Mar. 26.
- Rings, Oil. A. W. Morton. 2,398,030; Apr. 9.
- Rink, Ice. F. J. Zamboni. 2,411,919; Dec. 3.
- Rink. H. J. Ekland. 2,392,133; Jan. 1.
- Rivet. R. H. Gill. 2,409,352; Oct. 15.
- Rivet. L. C. Huck. 2,397,111; Apr. 23.
- Rivet. W. L. Keehn. 2,398,532; Apr. 16.
- Rivet. S. Milone and C. W. Rothfeld. 2,405,897; Aug. 13.
- Rivet. R. E. Nelson. 2,406,157; Aug. 20.
- Rivet. L. E. Williams, Jr., and P. L. Smith. 2,410,398; Oct. 29.
- Rivet assembling and bucking device. A. H. Haberstump. 2,398,304; Apr. 9.
- Rivet, Compound. T. J. Moran. 2,392,491; Jan. 8.
- Rivet feeding device. W. R. Kovacs. 2,397,872; Apr. 2.
- Rivet, Plastic. H. Kearns. 2,402,287; June 18.
- Rivet removing device. H. D. Rocheville. 2,409,589; Oct. 15.
- Rivet, Self-setting tubular. H. J. Keating. 2,408,559; Oct. 1.
- Rivet setting tool. J. Jensen. 2,400,354; May 14.
- Rivet, Shear proof. O. J. Poupitch. 2,393,564; Jan. 22.
- Riveted structure and making the same. L. C. Huck. Re. 22,792; Sept. 17.
- Riveter. B. J. Yanchenko. 2,405,172; Aug. 6.
- Riveter, Blind. C. W. Ginter. 2,404,051; July 16.
- Riveter, Hot. W. F. Grimes. 2,405,033; July 30.
- Riveter, Portable. W. Blair. 2,399,907; May 7.
- Riveting. E. F. Hinkle and A. Stewart. 2,395,741; Feb. 26.
- Riveting. P. B. Keller and D. Jelinek. 2,395,667; Feb. 26.
- Riveting device. A. H. Haberstump. 2,396,649; Mar. 19.
- Riveting machine. N. E. Swanson. 2,393,720; Jan. 29.
- Riveting machine, Movable anvil. L. A. Ward and E. D. Taylor. 2,413,270; Dec. 24.
- Riveting machines, Compensation for. W. Johnndrew. 2,400,758; May 21.
- Riveting or fastening mechanism. K. C. Bugg. 2,396,082; Mar. 5.
- Riveting tool. P. Stone. 2,402,303; June 18.
- Rivets, Method of and apparatus for making. C. R. Buchet. 2,395,722; Feb. 26.
- Rivets, Process and apparatus for making hollow. J. H. Friedman. 2,396,995; Mar. 19.
- Rivets, Setting. S. Milone and C. W. Rothfeld. 2,405,898; Aug. 13.
- Road building machine. H. J. Seaman. 2,394,017; Feb. 5.
- Road marking device. P. Blumberg. 2,396,981; Mar. 19.
- Roaster, Feed. J. Levine. 2,411,217; Nov. 19.
- Rock drill. F. Parrott. 2,396,747; Mar. 19.
- Rocket. C. D. A. J., and C. Schermuly. 2,409,904; Oct. 22.
- Rocket apparatus. R. H. Goddard. 2,396,586; Mar. 12.
- Rocket construction. R. Azzano. 2,397,114; Mar. 26.
- Rocket directing apparatus. R. H. Goddard. 2,395,809; Mar. 5.
- Rocket firing tube. W. J. Turnbull and W. Buchal. 2,398,871; Apr. 23.
- Rocket motor. A. L. Bowman and M. J. Bowman. 2,397,834; Apr. 2.
- Rocket motor. W. B. Pope. 2,406,560; Aug. 27.
- Rocket system, Two-stage. R. C. Truax, R. C. Stiff, Jr., W. S. Schubert, J. R. Patton, Jr., and R. Youngquist. 2,408,111; Sept. 24.
- Rod. See—
- Curiling rod. Welding rod.
Oscillating welding rod.
Rod and reel assembly, Fishing. J. M. Benson. 2,409,098; Oct. 8.

- Rod centralizer, Firearm cleaning. C. W. Varcoe. 2,409,916; Oct. 22.
- Rod charging machine. J. W. Garrow. 2,410,492; Nov. 5.
- Rod clamp. A. H. Symons. 2,395,204; Feb. 19.
- Rod-coasting machine and method. G. Harrison. 2,405,355; Aug. 6.
- Rod coupling with zinc inserts, Sucker. J. F. Eaton. 2,392,033; Jan. 1.
- Rod for cold permanent waving of hair, Curling. S. Grant. 2,395,965; Mar. 5.
- Rod for permanent cold waving of hair, Curling. S. Grant. 2,396,782; Mar. 19.
- Rod guide, Adjustable. R. P. Engman. 2,412,498; Dec. 10.
- Rod handle and reel, Combination. O. A. Garr. 2,402,882; June 25.
- Rodmill. K. Z. Huszar. 2,392,245; Jan. 1.
- Rodmill. K. Z. Huszar. 2,394,453; Feb. 5.
- Rod or fixture, Curtain. H. R. Ross. 2,402,507; June 18.
- Rod to reel connection. P. Kay. 2,409,940; Oct. 22.
- Rodent trap. T. G. McKeen. 2,404,856; July 30.
- Roll and container therefor, Rotary cleaner. C. F. Slater. 2,401,842; June 11.
- Roll, Automatic cut-off. G. F. Kingman. 2,396,104; Mar. 5.
- Roll cleaner. A. F. Kalmar and G. E. Stilwell. 2,403,374; July 2.
- Roll, Expander. J. D. Robertson. 2,393,191; Jan. 15.
- Roll, Fireproof wiper. R. A. Larson. 2,413,146; Dec. 24.
- Roll for paper making, Press. H. G. Specht. 2,395,915; Mar. 5.
- Roll, Forming. P. M. Duboscq. 2,410,603; Nov. 5.
- Roll forming and delivery apparatus, Silver. G. S. Fraser. 2,413,042; Dec. 24.
- Roll, Hair. W. Huppert. 2,407,011; Sept. 3.
- Roll, Scoring. D. E. Kelley. 2,403,377; July 2.
- Roll sealing machine, Strip. E. M. Kile. 2,395,125; Feb. 19.
- Roll type die holder. E. Wild and H. C. Bitter. 2,409,400; Oct. 15.
- Roll-up screen. J. L. Stableford. 2,395,303; Feb. 19.
- Roll V block support. R. C. Squire. 2,406,514; Aug. 27.
- Rollable type window screen. O. J. Hoffstead. 2,407,784; Sept. 17.
- Rollable window screen. H. W. Thomas. 2,404,257; July 16.
- Rolled tooth bar. A. W. Hunz. 2,397,965; Apr. 9.
- Roller. L. B. Smith. 2,407,965; Sept. 17.
- Roller arrangement for conducting electrical current. R. Trautschold. 2,409,800; Oct. 15.
- Roller bearing. P. E. Province. 2,398,459; Apr. 16.
- Roller bearing retainer. J. E. Lewis. 2,404,642; July 23.
- Roller construction, Weatherproof. W. E. Saxe. 2,395,147; Feb. 19.
- Roller for boat and the like, Dock. B. L. Berg and C. E. Watson. 2,405,810; Aug. 13.
- Roller for ink distributions, Transfer. H. M. Barber. 2,404,159; July 16.
- Roller for twister machines. C. H. Wethers. 2,407,730; Sept. 17.
- Roller skate attachment. C. A. Whited. 2,405,000; July 30.
- Roller skate structure. S. W. Blumm. 2,410,009; Oct. 29.
- Roller skate wheel. C. M. Bierman. 2,392,633; Jan. 8.
- Roller, Snubber. J. Belleza, Jr. 2,410,419; Nov. 5.
- Roller, Tamping. E. T. Small. 2,410,468; Nov. 5.
- Rollers for lithographic, printing, and lacquering machines, Inking and lacquering. F. Fox. 2,393,097; Jan. 15.
- Rolling device, Cigarette. L. G. Moss. 2,404,242; July 16.
- Rolling machine. C. C. Grotches. 2,395,324; Feb. 19.
- Rolling machine, Cigarette. E. C. Gallup. 2,406,675; Aug. 27.
- Rolling machine, Leather. H. N. Moore. 2,399,819; May 7.
- Rolling mill. F. R. Hight, R. O. Greenshields, and F. J. Mueller. 2,406,219; Aug. 20.
- Rolling mill. J. H. Jaeger and H. J. Findley. 2,394,183; Feb. 5.
- Rolling motion generating gearing for grinding machines and testing apparatus for bevel wheels. A. Aeppli. 2,401,810; June 11.
- Rolls, Producing. F. C. T. Daniels. 2,394,156; Feb. 5.
- Rolls, Stretching. A. M. Saum. 2,413,073; Dec. 24.
- Roly-poly device. F. M. and E. E. Hoover. 2,403,531; July 9.
- Roof. M. R. Beasley. 2,411,771; Nov. 26.
- Roof. A. Rount. 2,399,891; May 7.
- Roof, composite. T. M. Dantz. 2,408,251; Sept. 24.
- Roof construction. A. F. O'Connor. 2,393,401; Jan. 22.
- Roof, Counterbalanced expansion. P. S. Graver. 2,411,262; Nov. 19.
- Roof of colliery or other workings. Z. S. Beilj. 2,398,130; Apr. 9.
- Roof, Panelled steel. J. S. Swann. 2,406,863; Sept. 3.
- Roof structure, Railway car. J. S. Swann. 2,409,079; Oct. 5.
- Roofing. V. A. Cardarelli, Sr. 2,408,292; Sept. 24.
- Roofing. E. T. Parsons and H. W. Sawyer. 2,405,325; Aug. 6.
- Roofing construction. O. Holm-Hansen. 2,412,401; Dec. 10.
- Roofing fastener. H. C. Edwards. 2,402,318; June 18.
- Roofing material. I. Supack. 2,404,994; July 30.
- Roofing, Sheet metal. G. H. Huntington. 2,408,557; Oct. 1.
- Roofs and walls, Unit for. S. Krajcl. 2,400,357; May 14.
- Roost for fowls. E. S. Kubat. 2,412,091; Dec. 3.
- Root conveying and washing apparatus. G. M. Dexter. 2,393,596; Jan. 29.
- Roots for excavators. A. R. Askue. 2,397,521; Apr. 2.
- Rope. R. F. Warren, Jr. 2,399,157; Apr. 23.
- Rope. R. F. Warren, Jr. 2,400,181; May 14.
- Rope. R. F. Warren, Jr. 2,403,317; July 2.
- Rosin alkylation. D. Price. 2,392,943; Jan. 15.
- Rosin and polymerized rosin ester, Stabilizing a polymerized. J. N. Borglin. 2,407,248; Sept. 10.
- Rosin carbonates. J. N. Borglin. 2,404,213; July 16.
- Rosin derivatives, Surface active. D. Price and E. L. May. 2,597,692; Apr. 2.
- Rosin ester-drying oil varnish bases and making same, Modified. J. B. Rust. 2,398,670; Apr. 16.
- Rosin esters and making same, Modified. J. B. Rust. 2,398,668-9; Apr. 16.
- Rosin hydrocarbons. Preparing. N. L. Kalman. 2,413,052; Dec. 24.
- Rosin treatment. L. Auer. 2,396,671; Mar. 19.
- Rosin treatment. L. Auer. 2,406,338; Aug. 27.
- Rosin, Treatment of. H. H. Zeiss. 2,394,416; Feb. 5.
- Rosinates, Producing white sodium. A. A. Morton. 2,406,087; Aug. 20.
- Rotameter. N. Brewer. 2,404,361; July 23.
- Rotary belt loading machine. R. M. Freeman. 2,413,316; Dec. 31.
- Rotary burner. W. M. Fulton. 2,395,733; Feb. 26.
- Rotary cast cutter. B. L. Cryar. 2,406,744; Sept. 3.
- Rotary combustion engine. E. W. Rich. 2,402,257; June 18.
- Rotary combustion engine. E. W. Rich. 2,403,684; July 9.
- Rotary compressor. S. Malke. 2,411,929; Dec. 3.
- Rotary cutter. P. T. Bagne. 2,398,763; Apr. 23.
- Rotary cutter. A. S. Fodor. 2,408,257; Sept. 24.
- Rotary cutting tool. H. F. Bakewell. 2,400,187; May 14.
- Rotary cutting tool. C. W. Metzger and P. R. Snetcher. 2,399,372; Apr. 30.
- Rotary disc abrading tool. E. W. Hall. 2,413,346; Dec. 31.
- Rotary drilling mud separator. D. R. Moore. 2,396,336; Mar. 12.
- Rotary electric switch. G. J. Meuer and R. A. Miller-master. 2,395,572; Feb. 26.
- Rotary engine. L. S. K. R. and F. L. Brown. 2,412,940; Dec. 24.
- Rotary engine. S. Zorich. 2,392,211; Jan. 1.
- Rotary forge furnace. W. M. Hepburn and W. O. Owen. 2,413,228; Dec. 24.
- Rotary furnace. K. D. Hoke. 2,413,231; Dec. 24.
- Rotary gate valve. H. G. Nash. 2,403,223; Sept. 24.
- Rotary heat motor. G. W. Crise. 2,277,4; July 30.
- Rotary helical fluid unit. H. C. Heaton. 2,397,139; Mar. 26.
- Rotary ice cream dispensing cabinet. A. H. Spader. 2,412,068; Dec. 3.
- Rotary internal-combustion engine. L. Margolis. 2,409,141; Oct. 8.
- Rotary ironer. S. Blankenship and T. N. Ness. 2,393,958; Feb. 5.
- Rotary joint. F. Jacobson. 2,407,745; Sept. 17.
- Rotary liquid meter. W. F. Berck. 2,395,714; Feb. 26.
- Rotary loop taker for sewing machines (magnetic). C. E. Colegrove. 2,394,369; Feb. 5.
- Rotary machine. J. C. Buckbee. 2,400,286; May 14.
- Rotary mill. L. R. Gimenez. 2,397,346; Mar. 26.
- Rotary printing press. C. S. Crafts and C. A. Harless. 2,413,174; Dec. 24.
- Rotary printing press. H. J. Luehrs. 2,405,795; Aug. 13.
- Rotary pump. E. Fowler. 2,397,098; Mar. 26.
- Rotary pump. J. P. Johnson. 2,393,690; Jan. 29.
- Rotary pump. D. H. Millard. 2,406,959; Sept. 3.
- Rotary pump. E. Schmidt. 2,407,748; Sept. 17.
- Rotary pump. D. Wittenberg. 2,408,872; July 9.
- Rotary pump construction. F. A. Quiroz. 2,401,189; May 28.
- Rotary selector switch. H. R. Warnke. 2,411,013; Nov. 12.
- Rotary shutter drive. C. W. Carroll. 2,412,673; Dec. 17.
- Rotary switch. G. H. Erb. 2,406,818; Sept. 3.
- Rotary trowelling machine. G. E. Troxell. 2,394,274; Feb. 5.
- Rotary valve. E. Dawson. 2,397,130; Mar. 26.
- Rotary valve. J. J. De la Roza, Sr. 2,399,472; Apr. 30.
- Rotary valve. C. W. Hall. 2,394,767; Feb. 12.
- Rotary valve. C. W. Hall. 2,412,261; Dec. 10.
- Rotary valve and lubricating mechanism therefor. J. P. Dunn. 2,412,448; Dec. 10.
- Rotary weed puller. F. Hlack. 2,402,550; June 25.
- Rotary well bore, Cleaner. K. A. Wright. 2,402,223; June 18.
- Rotatable support clamp. I. F. Matthyse. 2,407,961; Sept. 17.
- Rotatable structures, Means to turn. F. B. Lane. 2,404,639; July 23.
- Rotating apparatus, Article. S. C. Hurley, Jr. 2,403,662; July 9.

- Rotating means for airplane landing wheels. H. Travis. 2,408,706; Oct. 1.
- Rotating members, Method and apparatus for balancing. E. W. Reynolds. 2,394,482; Feb. 5.
- Rotor, Aircraft, landing wheel. L. L. Westcamp. 2,408,963; Oct. 8.
- Rotary hearth furnace. W. Roth. 2,404,986; July 30.
- Rotor. L. Rosen. 2,402,182; June 18.
- Rotor. W. C. Washcoe. 2,407,695; Sept. 17.
- Rotor. G. F. Wislicenus. 2,395,704; Feb. 26.
- Rotor, Adjustable. I. I. Sikorsky. 2,402,349; June 18.
- Rotor and making. W. H. Baselt and C. E. Tack. 2,410,195; Oct. 29.
- Rotor assembly, Gyro. P. A. S. Bousky. 2,413,285; Dec. 31.
- Rotor, Bladed. P. A. M. Heppner. 2,398,140; Apr. 9.
- Rotor, Brake. C. E. Tack. 2,412,432; Dec. 10.
- Rotor, Brake. R. Watts. 2,407,197; Sept. 3.
- Rotor, Foldable. M. D. Buivid. 2,405,777; Aug. 13.
- Rotor for centrifugal compressors and the like, High-speed. K. D. McMahon. 2,392,858; Jan. 15.
- Rotor for elastic fluid mechanism. R. Birmann. 2,407,469; Sept. 10.
- Rotor, Noninductive gyro. F. D. Braddon. 2,395,447; Feb. 26.
- Roughness measuring means. B. A. Coss. 2,397,923; Apr. 9.
- Roughness of metals, Quantitatively evaluating. H. K. Hershman. 2,402,926; June 25.
- Round straightener. J. B. Sutton. 2,411,395; Nov. 19.
- Roundabout. G. H. Pooler. 2,408,479; Oct. 1.
- Router machines, Guard for. D. Salvatore. 2,399,707; May 7.
- Routing of interoffice calls, Automatic alternate. H. H. Schroeppel. 2,397,887; Apr. 2.
- Rowlock. H. V. Larsen. 2,405,659; Aug. 13.
- Rubber adhesive, Water dispersed. H. N. Stephens. 2,411,905; Dec. 3.
- Rubber adhesive, Water dispersed tacky. H. N. Stephens. 2,412,182; Dec. 3.
- Rubber amines, Forming. F. C. Bersworth. 2,412,942; Dec. 24.
- Rubber and its manufacture, Synthetic. A. Maximoff. 2,404,392; July 22.
- Rubber and preparing same, Solvent- and freeze-resistant synthetic. A. H. Gleason. 2,412,214; Dec. 10.
- Rubber and producing, Chlorinated. E. J. Schlenk. 2,401,194; May 28.
- Rubber and rubber substitutes, Compounding material for. C. G. La Crosse. 2,409,437; Oct. 15.
- Rubber article and apparatus for producing same, Hollow. D. C. Kempthorn. 2,405,149; Aug. 6.
- Rubber articles, Making. M. Mooney. E. M. Grabbe, and G. G. Harvath. 2,404,439; June 18.
- Rubber base, Forming fibrous. G. C. Berryman. 2,395,987; Mar. 5.
- Rubber by fermentation. Guayule. S. R. Hoover. P. J. Allen, and J. Naghsli. 2,408,853; Oct. 8.
- Rubber composition. F. J. Soday. 2,407,183; Sept. 3.
- Rubber composition, Synthetic. D. V. Sarbach. 2,397,050; Mar. 19.
- Rubber compositions. A. R. Davis. 2,397,409; Mar. 26.
- Rubber compositions containing indanol esters. F. J. Soday. 2,411,943; Dec. 3.
- Rubber, Compounding and vulcanization of synthetic. A. A. Somerville. 2,399,945-9; May 7.
- Rubber, Compounding and vulcanization of synthetic. A. A. Somerville. 2,400,057; May 7.
- Rubber derivative product. C. M. Carson. 2,413,432; Dec. 31.
- Rubber from aqueous dispersions of rubber, Deposition of. H. W. Tausch. 2,401,027; May 28.
- Rubber from fleshy plants, Recovering. R. K. Eskew and P. W. Edwards. 2,393,035; Jan. 15.
- Rubber from metal, Removing. P. G. Gerndt and J. A. Hannum. 2,408,468; Aug. 27.
- Rubber from plants of the genus cryptogaea, Extraction of. E. O. Keif and M. Traflet. Jr. 2,413,654; Dec. 31.
- Rubber, Gassing. R. C. Bascom and D. Roberts. 2,412,072; Dec. 3.
- Rubber goods, Making. B. Predmore. 2,407,768; Sept. 17.
- Rubber hydrohalides, etc., Compounding. W. C. Calvert. 2,411,839-41; Nov. 26.
- Rubber in cellular form, Manufacture of. G. M. Hamilton. 2,404,171; July 16.
- Rubber insulation for metallic conductors. E. Klingler, O. Knapp, F. K. Leongberg, and M. Lutz. 2,395,785; Feb. 26.
- Rubberlike composition. M. T. Harvey. 2,412,216; Dec. 10.
- Rubberlike compositions and making the same, Tacky. R. R. Dreisbach, E. C. Britton, and W. J. Le Fevre. 2,407,953; Sept. 17.
- Rubberlike material, Articles of. C. R. Peaker. 2,400,164; May 14.
- Rubberlike materials, Preparing. B. M. Vanderbilt and R. F. Howe. 2,409,915; Oct. 22.
- Rubberlike materials, Synthetic. W. Baird, B. J. Haggood, D. A. Harper, and J. A. Hendry. 2,397,399; Mar. 26.
- Rubberlike materials, Vulcanization of. R. R. Olin and H. I. Cramer. 2,398,154; Apr. 9.
- Rubberlike multipolymers. W. L. Semon. 2,395,017; Feb. 19.
- Rubberlike multipolymers of butadiene hydrocarbons, vinyliden chloride and acrylic compounds. F. K. Schoenfeld. 2,394,408; Feb. 5.
- Rubberlike polymeric substance and producing it. P. K. Frolich. 2,392,847; Jan. 15.
- Rubberlike products. R. F. Bacon and R. Fanelli. 2,410,595; Nov. 5.
- Rubber, Making high-pressure closed cell. H. Pfenniger. 2,395,293; Feb. 19.
- Rubber on the windings of magnetizable cores, Deposition of. F. J. Sigmund and W. S. Hlavin. 2,400,576; May 21.
- Rubber or rubberlike products, Manufacture of. J. Urmost. 2,394,122; Feb. 5.
- Rubber, Organopolysulfide. I. H. Kinneberg and C. L. Thomas. 2,411,275-6; Nov. 19.
- Rubber, Plasticizing. R. J. King and G. W. Thielcke. 2,411,884; Dec. 3.
- Rubber, Preservation of. A. F. Hardman. 2,410,782; Nov. 5.
- Rubber, Preserving. J. R. Vincent. 2,406,722; Aug. 27.
- Rubber, Processed natural. W. F. Huppke. 2,410,661; Nov. 5.
- Rubber product and making the same, Synthetic. T. A. Te Grotenhuis. 2,394,025; Feb. 5.
- Rubber product and producing, Chlorinated. F. J. Bouchard. 2,401,333; May 28.
- Rubber, Production of synthetic. I. L. Wolk and J. D. Upham. 2,396,907; Mar. 19.
- Rubber products, Protecting. W. L. Rittschof and W. A. Proell. 2,392,881; Jan. 15.
- Rubber reclaim. H. H. Thompson. 2,407,193; Sept. 3.
- Rubber, Reclaiming. F. H. Cotton and P. A. Gibbons. 2,408,296; Sept. 24.
- Rubber, Regeneration of waste. A. Johnston. 2,404,293; July 16.
- Rubber, Regeneration of waste. A. Johnston. 2,406,297; Aug. 20.
- Rubber scrap, Grinding of. T. M. Knowland. 2,412,586; Dec. 17.
- Rubber seal aging testing apparatus and method. A. D. Svenson. 2,412,638; Dec. 17.
- Rubber, spring mounting. J. W. Heiney. 2,407,236; Sept. 10.
- Rubber suspension, Treating. T. B. Counselman. 2,410,633; Nov. 5.
- Rubber to metals, Adhering. H. W. Grinter and M. E. Gross. 2,399,019; Apr. 23.
- Rubber to other surfaces, Bonding butyl. W. H. Hulsmit, Jr., and H. C. Wiechman. 2,392,590; Jan. 8.
- Rubber, Treatment of. P. Stamberger, R. K. Eskew, and R. S. Hanslick. 2,399,156; Apr. 23.
- Rubber valve stems, Making inserts for. J. C. Crowley. 2,398,095; Apr. 16.
- Rubber, Vulcanization of. W. H. Hill. 2,412,984-5; Dec. 24.
- Rubber, Vulcanization of synthetic. W. E. Phillips. 2,396,967; Mar. 19.
- Rubbers flexible compositions and processes. A. Pischel and H. F. Stowe. 2,393,222; Jan. 15.
- Rubbers, Plasticized chlorinated. F. J. Soday. 2,402,189; June 18.
- Rubbers, Production of synthetic. R. R. Dreisbach. 2,394,756; Feb. 12.
- Rubbery copolymers of butadiene-1,3 hydrocarbons and alpha-methylene nitriles, Vulcanization. B. S. Garvey. 2,395,474; Feb. 19.
- Rubbery materials to each other and product thereof, Adhering. D. V. Sarbach. 2,395,071; Feb. 19.
- Rubbing machine. S. A. Crosby. 2,395,537; Feb. 26.
- Rudder. J. Livingston. 2,392,165; Jan. 1.
- Ruler, control mechanism. J. F. Morse. 2,392,056; Jan. 1.
- Rug. L. M. Mosseller. 2,409,580; Oct. 15.
- Rug, Warp knitted pile. M. Newman. 2,396,525; Mar. 12.
- Rule, Perforating. C. P. Mayhew. 2,401,310; June 4.
- Rule, Sliding. S. Lerner. 2,403,382; July 2.
- Rule, Slide. A. L. Suedaker. 2,405,720; Aug. 13.
- Rule with lock and closure, Flexible tape. F. O. Carlson. 2,410,713; Nov. 5.
- Rules, Indicating parallel. H. F. Lenz. 2,394,619; Feb. 12.
- Runway, Aircraft landing. C. R. Faben. 2,405,092; July 30.
- Runway, Marble. G. B. Hatcher. 2,400,410; May 14.
- Running board. H. E. Bartsch. 2,401,401; June 4.
- Running gear. J. M. Hait and T. B. Keesling. 2,403,362; July 2.
- Rust preventive composition. P. M. Ruedrich. 2,392,102; Jan. 1.
- Rust preventive composition, Aqueous. C. N. White, M. L. Schwartz, and G. F. Roulet. 2,402,793; June 25.
- Saccharide derivatives of the supranal cortical hormone series and making same, Stable, supersaturated solutions of. K. Miescher and C. Meyre. 2,411,631; Nov. 26.
- Sack lifter. F. W. Rodgers and A. M. Palmer. 2,404,533; July 23.
- Sacker, Potato. H. L. Keller. 2,407,017; Sept. 3.

- Saddle, Stretcher pack. S. A. Nash-Boulden. 2,400,945; May 28.
- Saddle, Suspension. F. W. Schwinn. 2,395,346; Feb. 19.
- Sadiron, Electric. B. G. Oving. 2,403,115; July 2.
- Safe screen support. J. Whaley. 2,408,714; Oct. 1.
- Safes, Removable portability features for army field. S. R. Akers. 2,401,399; June 4.
- Safety appliance. G. W. McKinstry. 2,407,891; Sept. 17.
- Safety clip. R. E. Barber. 2,405,171; Aug. 6.
- Safety clip. H. Silver. 2,398,160; Apr. 9.
- Safety control. P. A. Stuhlman and C. O. Bruestle. 2,402,461; June 18.
- Safety control apparatus for fuel burners. C. K. Strobel. 2,411,642; Nov. 26.
- Safety control. Burner. D. E. Richardson and R. E. Yates. 2,410,524; Nov. 5.
- Safety control for hoists. H. F. Vickers. 2,407,692; Sept. 17.
- Safety control for hoists and circuits therefor. H. F. Vickers. 2,407,693; Sept. 17.
- Safety control, Mechanism for power operated ordnance. J. C. Trotter. 2,400,406; Oct. 15.
- Safety controls for gaseous fuel burners. C. K. Strobel. 2,397,704; Apr. 2.
- Safety device. T. E. Lawless. 2,401,984; Nov. 12.
- Safety device. S. M. Udale and W. R. Buick. 2,407,116; Sept. 3.
- Safety device for boat hoists. A. R. Wilhelm. 2,404,153; July 16.
- Safety device for dump trucks. A. D. L. Hutchinson. 2,407,012; Sept. 3.
- Safety device for elevators. J. Dunlop and H. E. Hansen. 2,408,761; Aug. 6.
- Safety device for fluid brake systems. V. L. Crawford. 2,410,202; Oct. 29.
- Safety device for stranders. C. O. Bruestle. 2,406,530; Aug. 27.
- Safety device, Gas. E. Fehr. 2,398,089; Apr. 9.
- Safety device in screw hoisting blocks. P. E. Perman. 2,393,120; Jan. 15.
- Safety gas valve. J. Hall. 2,396,324; Mar. 12.
- Safety guard, Punch press. P. Anstedt. 2,407,527; Sept. 10.
- Safety interlocking clothes hanger. A. Brill and W. Kneissler. 2,409,538; Oct. 15.
- Safety key cabinet. C. I. Poulsen and H. F. Rose. 2,405,369; Aug. 6.
- Safety lamp. J. D. Ceader. 2,400,916; May 28.
- Safety live line electrical connector. T. O'Neil. 2,396,119; Mar. 5.
- Safety locking device. G. E. Stewart. 2,397,516; Apr. 2.
- Safety mechanism for brakes. I. W. Simpkins. 2,409,908; Oct. 22.
- Safety mechanism for dye kettles and the like. J. H. Higginson and H. C. Riggs. 2,410,214; Oct. 29.
- Safety piepan lifter. T. Henrichson. 2,410,655; Nov. 5.
- Safety plug. S. T. Novak. 2,403,462; July 9.
- Safety plug-in connector. C. A. Hasenwinkler. 2,408,556; Oct. 1.
- Safety pocket lock. L. Schonthal. 2,408,688; Oct. 1.
- Safety pressure relief valve. C. Stern. 2,392,009; Jan. 1.
- Safety razor frame. G. E. Mignon. 2,402,116; June 11.
- Safety switch. J. H. Dieding. 2,409,022; Oct. 8.
- Safety valve. H. T. Sparrow. 2,393,427; Jan. 22.
- Safety valve mechanism. T. F. Van Denberg and J. Selby. 2,412,235; Dec. 10.
- Sailmaker's palm. E. G. Jackson. 2,411,880; Dec. 3.
- Salcilates, Preparing normal lead. L. M. Kehrlich. 2,410,977; Nov. 12.
- Salicylamine antifogant. G. E. Fallesen and J. A. Leer-Makers. 2,393,763; Jan. 29.
- Salt and making it. Drier metal. G. P. Mack and C. A. Klebsattel. 2,409,774; Oct. 22.
- Salt and pepper shaker, Combination. L. S. Williams. 2,411,489; Nov. 19.
- Salt brine, Production of. F. L. Bolton. 2,412,560; Dec. 17.
- Salt dissolving apparatus. J. C. Drake. 2,395,258; Feb. 19.
- Salt, Method of and apparatus for dissolving. E. Swartz. 2,412,106; Dec. 3.
- Salt solutions containing arsenic inhibitors, Hygroscopic. A. M. Edmunds. 2,394,758; Feb. 12.
- Salts and preparation thereof, Solid complex metal ammine. G. Jones and W. Juda. 2,406,692; Aug. 27.
- Salts, Capillary active. V. E. Haury and S. A. Ballard. 2,402,495; June 18.
- Salts, Coated hygroscopic. E. Fajans. 2,413,491; Dec. 31.
- Salts, Lubricant containing alkyl piperidine. G. E. Barker. 2,412,956; Dec. 24.
- Salts of dithiocarbamic acids, Preparation of heavy metal. A. M. Neal and B. M. Sturgis. 2,406,980; Sept. 3.
- Salts of magnesium, Manufacture of water-soluble. H. Lundin. 2,394,863; Feb. 12.
- Salts of p-aminobenzoic acid esters, Anaesthetic. D. Curtis. 2,395,538; Feb. 26.
- Salts of polyhydroxy tertiary amines, Dicarboxylic. M. Senkus. 2,401,196; May 28.
- Salts, Preparation of organo. A. G. Weber and C. H. Hamblet. 2,395,307; Feb. 19.
- Salts, Purification of lanthanum. A. E. Ballard and L. E. Martinson. 2,394,586; Feb. 12.
- Salts, Soluble amidine. G. Newbery and A. P. T. Easson. 2,394,003; Feb. 5.
- Salts, Stable diazonium. W. H. von Glahn and W. L. Walsh. 2,402,106; June 11.
- Salts, Stable diazonium. E. C. Britton and J. N. Hansen. 2,402,016; June 11.
- Salvage from fish viscera. I. A. Parfentjev. 2,406,249; Aug. 20.
- Salvage unit, Fuel. E. V. Parker. 2,401,880; June 11.
- Salvaging unit. W. M. Schramm. 2,397,216; Mar. 26.
- Sampling apparatus. C. D. Cantrell, Jr. 2,406,192; Aug. 20.
- Sampling device. K. L. Hertel. 2,404,708; July 23.
- Sampling machine. P. J. Bauer. 2,405,480; Aug. 6.
- Sampling machine, Random. G. V. Herrold. 2,405,951; Aug. 20.
- Sandblast tool. C. E. Archer. 2,392,897; Jan. 15.
- Sandblasting apparatus and the like. J. W. Rasmussen. 2,399,385; Apr. 30.
- Sand box closure means. M. P. Blomberg. 2,394,358; Feb. 5.
- Sand expansion indicator. J. C. Thoresen and J. R. Hartley. 2,401,122; May 28.
- Sandpaper holder. R. H. Smith. 2,404,105; July 16.
- Sand survey valve. R. L. Luce. 2,397,675; Apr. 2.
- Sander. W. A. Baldwin. 2,409,728; Oct. 22.
- Sander, Belt. B. Steinhaber. 2,407,939; Sept. 17.
- Sander, Block. C. A. Hein. 2,400,928; May 28.
- Sander, Hand. M. C. Lawrence. 2,413,147; Dec. 24.
- Sander, Reed. J. E. Ray. 2,408,953; Oct. 8.
- Sander, Track. L. E. Simmons. 2,413,387; Dec. 31.
- Sanding block. E. A. Seward. 2,408,815; Oct. 8.
- Sanding machine. J. Robinson, Jr. 2,405,328; Aug. 6.
- Sands, Purification of industrial. A. T. Cole and J. B. Duke, and L. L. McMurray. 2,409,665; Oct. 22.
- Sandal. D. D. Goldstein. 2,412,808; Dec. 17.
- Sandwich cookie machine. R. O. Manspeaker. 2,394,795; Feb. 12.
- Sandwich-making machine. B. A. Arvidson. 2,391,937; Jan. 1.
- "Sandwich" material, Producing curved. C. H. Buchanan. 2,407,867; Sept. 17.
- Sanitary food shattering and eating plate device. M. Wolf. 2,395,084; Feb. 19.
- Sanitary pipe cabinet. M. J. Joel. 2,401,161; May 28.
- Sanitary pipe washer. O. E. Stone. 2,400,240; Sept. 24.
- Sapogenin derivatives and preparation of same. R. E. Marker, H. M. Crooks, Jr., and E. L. Wittie. 2,395,937-40; Feb. 19.
- Sapogenin oxidation products and preparing the same. R. E. Marker. 2,406,885; Sept. 3.
- Sash, All-in-one window. A. Garsh. 2,402,620; June 25.
- Sash, Auxiliary window. H. B. Green. 2,402,247; June 18.
- Sash fastener. F. Mastrangelo. 2,396,520; Mar. 12.
- Sash fastening. T. G. Prentice. 2,392,997; Jan. 15.
- Sash, Multiple glass. C. M. Verhagen. 2,402,105; June 11.
- Sash, stops and weather strip, Combination window. E. B. Buckner. 2,394,979; Feb. 19.
- Sash structure. P. H. Kuyper. 2,400,009; May 7.
- Sash, Window. J. G. Wilkin. 2,408,281; Sept. 24.
- Saw. F. W. Clark. 2,399,541; Apr. 30.
- Saw and try square, Combination hand. J. A. Mayer. 2,400,311; May 14.
- Saw apparatus, Portable timber cutting. E. C. McLean. 2,407,028; Sept. 3.
- Saw, Band. G. I. Lavoie. 2,394,789; Feb. 12.
- Saw blade. G. J. Blum. 2,394,035; Feb. 5.
- Saw blade holder. G. J. Blum. 2,394,034; Feb. 5.
- Saw-blade tension in band-saw machines, Control of. H. F. Swenson. 2,395,237; Feb. 19.
- Saw, Combination. E. K. Shultz. 2,403,027; July 2.
- Saw construction. H. E. Barber. 2,393,216; Jan. 15.
- Saw device, Circular. P. Valentine. 2,410,467; Nov. 5.
- Saw filing gauge. R. H. Deurmeyer and C. G. Yocum. 2,407,756; Sept. 17.
- Saw for cutting plaster casts, Power. F. E. and J. E. Hood. 2,399,677; May 7.
- Saw, Gang rip. W. G. Norton. 2,399,822; May 7.
- Saw handle. A. Davies and E. Smith. 2,411,028; Nov. 12.
- Sawhorse. N. B. Beasley. 2,412,764; Dec. 17.
- Sawhorse. J. N. Klasczyk. 2,396,737; Mar. 19.
- Sawmill. H. G. Locke. 2,410,887; Nov. 12.
- Saw, Mobile. J. C. Jaques. 2,411,624; Nov. 26.
- Saw, Portable. J. C. Jaques. 2,411,623; Nov. 26.
- Saw, Portable. J. C. Jaques. 2,412,704-5; Dec. 17.
- Saw, Portable pulpmold. L. H. Mathis. 2,405,896; Aug. 13.
- Saw set. E. F. Huffsmith. 2,409,760; Oct. 22.
- Saw set. E. Platter. 2,409,311; Oct. 15.
- Saw setting machine. A. Nadon. 2,396,597; Mar. 12.
- Saw table. F. M. Meredith. 2,396,961; Mar. 19.
- Saw-tooth setting device. I. L. Church. 2,408,197; Sept. 24.
- Saw-tooth voltage generator. J. W. Whiteley. 2,412,485; Dec. 10.
- Saw-tooth wave generator. R. E. Moe. 2,412,064; Dec. 3.
- Saw-tooth wave generator. E. W. Rosentreter. 2,412,063; Dec. 3.
- Saw, Tree pruning. B. J. Schillinger. 2,399,393; Apr. 30.

- Sawing machine, Metal. T. Hasegawa. 2,404,707; July 23.
- Scabbard. J. Tyson. 2,399,522; Apr. 30.
- Scaffold. T. G. Di Santl. 2,407,655; Sept. 17.
- Scaffold. S. Zeno. 2,396,070; Mar. 5.
- Scaffold bracket. C. W. Hushover. 2,406,078; Aug. 20.
- Scaffold, Collapsible. W. E. Thorne. 2,398,604; Apr. 16.
- Scaffold construction. J. H. Henderson. 2,399,436; Apr. 30.
- Scaffold, Platform. H. B. Waltz. 2,394,221; Feb. 5.
- Scaffold, Portable self-propelled. H. F. McClain. 2,398,949; Apr. 23.
- Scaffold, Power-driven. R. N. Riblet. 2,396,127; Mar. 5.
- Scaffold structure and the like. G. W. Causey. 2,397,241; Mar. 26.
- Scaffolding device. S. Isakson. 2,413,569; Dec. 31.
- Scale. D. A. Meeker and K. C. Allen. 2,408,942; Oct. 8.
- Scale. E. V. Sycher, G. B. McNair, and W. W. Crump. 2,394,820; Feb. 12.
- Scale assembly, Dual-purpose. W. P. Clarkson. 2,394,983; Feb. 19.
- Scale, Azimuth. R. E. Mullendore. 2,405,601; Aug. 13.
- Scale, Batch. F. V. Werner. 2,410,138; Oct. 29.
- Scale, Batching. A. J. Jerome. 2,398,643; Apr. 16.
- Scale, Computing. O. Malcher. 2,397,970; Apr. 9.
- Scale, Height measuring. L. M. Wheeler. 2,410,696; Nov. 5.
- Scale, Hydraulic. B. D. Field. 2,403,204; July 2.
- Scale, Letter. R. M. Bowman. 2,413,166; Dec. 24.
- Scale, Over and under. A. Goodman. 2,405,497; Aug. 6.
- Scale-peptizing composition. S. A. Winkelmann and J. C. Wright. 2,411,074; Nov. 12.
- Scale, Recording. L. C. Barnes and R. B. Holt. 2,404,562; July 23.
- Scale remover and scale and corrosion preventer. U. J. Brown. 2,401,546; June 4.
- Scale, Weighing. H. O. Hem. 2,410,653; Nov. 5.
- Scale, Weighing. L. S. Williams. 2,410,139; Oct. 29.
- Scanning apparatus. C. J. Young. 2,394,649; Feb. 12.
- Scanning apparatus, Radio. R. F. Hays, Jr. 2,407,275; Sept. 10.
- Scanning device. H. Langstroth and F. C. Wallace. 2,407,305; Sept. 10.
- Scanning device. H. Langstroth and F. C. Wallace. 2,410,827; Nov. 12.
- Scanning device. C. C. Lundy and H. Langstroth. 2,407,310; Sept. 10.
- Scanning device. L. A. Maybarduk, W. V. Mieber, S. J. Zand, and G. E. White. 2,410,831; Nov. 12.
- Scarf. G. W. Weissmann. 2,402,996; July 2.
- Scarf-capuchin. A. Gollerl. 2,413,319; Dec. 31.
- Scarf, Lady's. A. Gollerl. 2,413,318; Dec. 31.
- Scavenger system for engines. A. Kalinsky. 2,410,448; Nov. 5.
- Scavenger, Crankcase. C. C. Randall. 2,406,103; Aug. 20.
- Scavenging reversible internal-combustion engine. K. Froehlich. 2,394,237; Feb. 5.
- Scissors, Curved edge. W. Bell. 2,400,220; May 14.
- Scoop for carburetors, Air-inlet. E. S. Eckel. 2,395,997; Mar. 5.
- Scoop, Pipe bore scraping. H. R. Crane. 2,402,314; June 18.
- Scoops, Forming separable fastener. L. H. Morin. 2,403,739; July 9.
- Scooter construction. W. W. Taylor. 2,413,530; Dec. 31.
- Scooter, Water. A. E. Simons. 2,403,560; July 9.
- Scoring device. C. A. Hathaway. 2,402,525; June 18.
- Scoring mechanism. J. M. Seidel. 2,400,657; May 21.
- Scouring and cleansing device. M. Levine. 2,395,054; Feb. 19.
- Scrap metal baling press. G. W. Langford and A. C. Barrows. 2,413,054; Dec. 24.
- Scrapping and salvaging machine, Tableware. F. T. Hilliker. 2,400,879; May 28.
- Scraper. R. B. Bennett. 2,410,420; Nov. 5.
- Scraper. H. C. French and N. V. Kuehlman. 2,406,826; Sept. 3.
- Scraper. S. Keim and S. Bippus. 2,411,688; Nov. 26.
- Scraper. W. Kusz. 2,400,760; May 21.
- Scraper. R. G. Le Tournear. Re. 22,783; Aug. 27.
- Scraper. H. G. Le Tournear. 2,406,300; Aug. 20.
- Scraper. E. H. Lichtenberg. 2,393,334; Feb. 19.
- Scraper. G. W. Mork. 2,408,806; Oct. 8.
- Scraper. V. J. Olson. 2,402,976; July 2.
- Scraper. A. Soldani. 2,392,273; Jan. 1.
- Scraper, Carrying. M. A. Clark. 2,404,123; July 16.
- Scraper on solder roll, Stationary. J. H. O'Neil. 2,400,159; Aug. 20.
- Scraper, Paraffin. I. T. Minyard. 2,397,079; Apr. 2.
- Scraper, Pipe. W. Grocott. 2,400,196; May 14.
- Scraper, Road. E. Sladeczek. 2,393,345; Jan. 22.
- Scraper, Rotary. W. J. Kehl. 2,411,544; Nov. 26.
- Scraper, Self-loading. E. H. Lichtenberg and P. S. Webster. 2,411,280; Nov. 19.
- Scraper, Tube. H. J. Sievers. 2,395,019; Feb. 19.
- Scraper, Two-wheeled cable operated rear dump. H. C. French. 2,404,482; July 23.
- Scraper vehicle. F. B. Robb. 2,396,287; Mar. 12.
- Scratch-resistant articles, Forming. W. E. Williams. 2,408,540; Oct. 1.
- Scratching attachment for bottle washing machines, Label. M. Jamieson and L. Tremblay. 2,410,380; Oct. 29.
- Screen. See—
- Filter screen. Roll-up screen.
- Frameless window screen. Rollable type window screen.
- Handy two-part folding screen. Rollable window screen.
- Light screen. Sectional window screen.
- Mud screen. Separable filter screen.
- Portable projection screen. Stationary concave screen.
- Printing screen. Well screen.
- Screen. F. D. Parmenter. 2,402,340; June 18.
- Screen assembly, Roll. H. E. Van Voorhes. 2,406,272; Aug. 20.
- Screen equipment, Smoke. W. Sinton, F. P. Sherman, and G. A. Chadwick. 2,399,265; Apr. 30.
- Screening apparatus. X-ray. N. G. Schonander. 2,407,938; Sept. 17.
- Screening device for spark plugs. D. B. Browne, F. W. Clarke and R. H. G. Painter. 2,409,732; Oct. 22.
- Screening material. C. Dreyfus. 2,407,632; Sept. 17.
- Screens, Beading projection. J. H. Owens. 2,404,454; July 23.
- Screens, Production of smoke. H. A. Levey and A. C. Patterson. 2,399,710; Mar. 19.
- Screw. A. Gerhold. 2,403,359; July 2.
- Screw. J. D. Givnan. 2,395,476; Feb. 26.
- Screw. H. F. Phillips. 2,402,342; June 18.
- Screw and nut fastening. C. J. Whitcombe. 2,413,669; Dec. 31.
- Screw caps, Method and apparatus for forming. L. G. Zesbaugh. 2,395,209; Feb. 19.
- Screw conveyor. T. G. Soma. 2,393,572; Jan. 22.
- Screw device, Antifriction. H. S. Hoffar. 2,398,789; Apr. 23.
- Screw-down control system. D. E. Garr. 2,410,283; Oct. 29.
- Screw driver. S. Bloomfield. 2,405,130; Aug. 6.
- Screw driver. E. L. Darling. 2,396,040; Mar. 5.
- Screw driver. E. C. Harley. 2,410,971; Nov. 12.
- Screw driver. J. B. Jeni. 2,406,143; Aug. 20.
- Screw driver. C. A. Schriener. 2,408,887; Oct. 8.
- Screw driver construction. J. H. De Gray. 2,401,816; June 11.
- Screw driver, Expansible jaw. S. Bloomfield. 2,404,427; July 23.
- Screwdriver, Safety. A. M. Josepho. 2,406,952; Sept. 3.
- Screw driver, Torque. W. Storrie. 2,394,022; Feb. 5.
- Screw or threaded rod mounting. G. Murtagh. 2,410,299; Oct. 29.
- Screw, Self-locking set. E. F. Allen. 2,398,070; Apr. 9.
- Screw, Socket head. D. V. Siellin. 2,397,216; Mar. 26.
- Screw, Swivel nose. C. E. Wyck. 2,395,343; Apr. 9.
- Screw-thread gauge. J. E. Wainwright and M. Jellis. 2,413,533; Dec. 31.
- Screw-threaded member. W. T. Goodby. 2,407,741; Sept. 17.
- Screw wheel apparatus, Rotary. A. Lysholm. 2,410,172; Oct. 29.
- Screws, Adjusting pitch of. E. Seppeler. 2,392,556; Jan. 8.
- Scriber. R. T. Connelly. 2,409,106; Oct. 8.
- Scriber. L. J. Gordon. 2,400,407; May 14.
- Scriber. A. E. Rawald. 2,394,404; Feb. 5.
- Scriber attachment. D. C. Olson. 2,398,323; Apr. 9.
- Scribbling fixture. E. Hochreiter. 2,402,890; June 25.
- Scrubber, stratifier, and screen for minerals, Combined vibratory. W. L. Zeigler and C. Y. Garber. 2,410,326; Oct. 29.
- Seadrome, Submersible. E. R. Armstrong. 2,399,611; May 7.
- Sea water foam suppression and apparatus. A. C. Redfield and A. C. Vine. 2,401,583; June 4.
- Seal. G. L. Benson. 2,401,639; June 4.
- Seal. N. Hoertz. 2,397,486; Apr. 2.
- Seal. F. E. Payne. 2,403,298; July 2.
- Seal. W. C. Pross. 2,392,998; Jan. 15.
- Seal. J. E. Storer, Jr. 2,405,464; Aug. 6.
- Seal. R. J. Vedovell. 2,395,359; Feb. 19.
- Seal, Actuator. L. W. Leland. 2,409,288; Oct. 15.
- Seal, Annular fluid. O. Brummer. 2,408,909; Oct. 8.
- Seal assembly. J. R. Snyder. 2,392,198; Jan. 1.
- Seal, Chain bearing. J. M. Hatt. 2,411,214; Nov. 19.
- Seal, Chain bearing. D. E. Keech. 2,411,214; Nov. 19.
- Seal, Conical line. I. E. Mourontseff and G. M. Dinnick. 2,394,398; Feb. 5.
- Seal, Door. G. A. Smith. 2,405,460; Aug. 6.
- Seal. E. L. Brady, Jr. 2,395,395; Feb. 19.
- Seal, Fluid. H. M. Dodge. 2,397,847; Apr. 2.
- Seal for adjoining railroad cars, Dust. C. P. Nelson. 2,408,473; Oct. 1.
- Seal for aircraft control rods. R. A. Wolf and H. L. Bowers. 2,413,671; Dec. 31.
- Seal for annealing furnaces, Molten metal. F. Lepka. 2,401,170; May 28.
- Seal for bearings. J. E. Shafer. 2,403,687; July 9.
- Seal for electric lamps and similar devices. E. Kettlewell. 2,409,361; Oct. 16.
- Seal for joints. D. Ferguson. 2,395,963; Mar. 5.
- Seal for running shafts. J. J. King. 2,407,285; Sept. 10.
- Seal for shafts and bearings, Spring loaded. T. R. Smith. 2,401,379; June 4.

- Seal, Glass-to-metal. R. H. Dalton. 2,392,314; Jan. 8.
Seal, Insulating. S. H. Strupkoff. 2,402,927; June 25.
Seal, lock. J. Rifkin. 2,411,115; Nov. 12.
Seal, Oil. H. C. Abell. 2,404,610; July 23.
Seal, Oven door. J. F. Hennessy and J. I. Thulander. 2,405,305; Aug. 6.
Seal, Piston. J. J. de la Rosa, Sr. 2,392,123; Jan. 1.
Seal, Piston ring. G. E. Flinn. 2,402,033; June 11.
Seal, Pressure. N. A. Christensen. 2,394,364; Feb. 5.
Seal, Rotary. W. Gilbert, Sr. 2,398,783; Apr. 23.
Seal, Rotary. E. G. Halby and J. J. Bushong. 2,404,494; July 23.
Seal, Shaft. M. Caserta. 2,404,690; July 23.
Seal, Shaft. P. Eudebak. 2,411,509; Nov. 26.
Seal, Shaft. O. Jacobsen. 2,408,314-15; Sept. 24.
Seal, Shaft. H. S. Pardee. 2,393,260; Jan. 22.
Seal, Shaft bearing. E. R. Zadachak and W. W. Clarke. 2,409,922; Oct. 22.
Seal structure. J. H. Booth. 2,397,464; Apr. 2.
Seal surface. J. R. Snyder. 2,404,816; July 30.
Seal, Turbine. V. Cronstedt. 2,410,340; Oct. 29.
Sealed beam flashlight lamp. F. B. Dadisman. 2,402,375; June 18.
Sealed bearing lubricator. J. S. Pitisci. 2,396,124; Mar. 5.
Sealed flexible coupling. G. E. Franck. 2,405,822; Aug. 13.
Sealing and crimping machine. L. L. Salfsberg. 2,402,298; June 18.
Sealing and ejecting apparatus for mail treating machines. D. K. Ryan. 2,404,193; July 16.
Sealing and testing well head connections. R. N. Bean. 2,402,723; June 25.
Sealing apparatus. G. H. Fry and W. J. Beck. 2,395,387; Feb. 26.
Sealing cartons. Method and apparatus for. R. Guyer. 2,407,781; Sept. 17.
Sealing device. B. Gross and L. W. Cornwall. 2,396,005; Mar. 6.
Sealing device. A. G. Rayburn. 2,394,012; Feb. 5.
Sealing device. Fluid. K. A. Kiefer. 2,407,218; Sept. 10.
Sealing device. Fluid. R. Schilling. 2,399,764; May 7.
Sealing device for shafts and the like. Fluid. J. L. Hillman. 2,398,376; Apr. 16.
Sealing devices, Making. J. W. Hobbs. 2,406,686; Aug. 27.
Sealing machine, Ampoule, A. Pipping. 2,406,101; Aug. 20.
Sealing machine, Envelope. E. E. Gray. 2,394,302; Feb. 5.
Sealing machine, Knot. G. F. Neils. 2,392,827; Jan. 15.
Sealing material, Making puncture. E. Eger. 2,401,625; June 4.
Sealing means, Electrode. D. A. Rhoades and G. B. Scheer. 2,406,236; Aug. 6.
Sealing means for pistons subject to fluid pressure. J. H. Pratt. 2,411,229; Nov. 19.
Sealing means for pressure cookers, Cover. V. Zdanaitis. 2,403,778; July 9.
Sealing means for soaking pit covers or the like. O. M. Post and W. R. Boyer. 2,394,298; Feb. 5.
Sealing ring. H. M. Dodge. 2,395,107; Feb. 19.
Sealing structure. D. U. Hunter. 2,393,779; Jan. 29.
Sealing together two pieces of waterproof fabric and the seam formed thereby. H. H. Haman and C. E. Whalen. 2,406,830; Sept. 3.
Sealing unit. H. H. Walley, Jr. 2,393,944; Jan. 29.
Sealing, Vacuum. C. Herzog and P. A. Hauck. 2,401,638; June 4.
Seals, Forming. C. A. Southwick, Jr., and A. F. Stagemer. 2,405,675; Aug. 13.
Seals, Making hermetic. V. L. Ronci. 2,398,449; Apr. 16.
Seals of crystal holders, Testing the. W. B. R. Agnew. 2,412,192; Dec. 10.
Seam. A. E. Albin. 2,399,973; May 7.
Seam protecting devices for cloth shears. W. N. Hadley. 2,393,159; Jan. 15.
Seamer, Double. A. M. Cameron. 2,399,203; Apr. 30.
Seaming and pinking mechanism, Combined. M. Popper. 2,397,431; Mar. 26.
Seaming machine. L. Perry. 2,394,473; Feb. 5.
Sear mechanism. D. C. Reilly. 2,399,253; Apr. 30.
Searchlight, Dirigible. H. J. Sauer. 2,410,365; Oct. 29.
Seat. See—
Adjustable back seat. Folding seat.
Adjustable chair seat. Folding vehicle seat.
Adjustable seat. Gun seat.
Bicycle seat. Gun turret seat.
Chair seat. Reclining seat.
Child's toilet seat. Stool seat.
Driver's seat. Toilet seat.
Seat. W. McArthur. 2,400,588; May 21.
Seat. E. Schmidt. 2,396,022; Mar. 5.
Seat. F. F. Silhan. 2,409,714; Oct. 22.
Seat base, Adjustable. E. Holm. 2,392,477; Jan. 8.
Seat construction. H. T. Borsheim. 2,411,125; Nov. 12.
Seat construction for vehicles. Swivelled and shock absorbing. W. A. Morse. 2,402,974; July 2.
Seat dressing tool. G. W. Barnes. 2,412,859; Dec. 17.
Seat for aircraft. H. C. Flint. 2,393,499; Jan. 22.
Seat for faucets, Valve. T. R. Smith. 2,403,028; July 2.
Seat for safety valve constructions. P. H. Gentzel. 2,398,370; Apr. 16.
Seat or the like, Saddle. G. E. O'Hearn. 2,397,286; Mar. 26.
Seat structure. G. W. Blair, J. F. Schott, and W. E. Fairbank. 2,411,412; Nov. 19.
Seat support. J. P. De Rose. 2,407,771; Sept. 17.
Seat support. W. J. Kiefer. 2,413,455; Dec. 31.
Seat supporting structure, Aircraft. F. P. Dillon. 2,401,748; June 11.
Seat table. P. Bradwen. 2,397,528; Apr. 2.
Seater. Hydraulic key. T. S. Kline and G. K. Rogers. 2,392,536; Jan. 8.
Seating fixture, Removable and collapsible. A. B. Rogers, Sr. 2,409,316; Oct. 15.
Seating multiplication power tube. A. A. Varella. 2,404,417; July 23.
Secrecy for telegraph circuits. J. A. Spencer. 2,397,057; Mar. 19.
Secrecy system. H. H. Beverage and R. E. Mathes. 2,405,991; Aug. 20.
Secrecy system, Teletypewriter. E. W. Bemis. 2,401,454; June 4.
Secrecy system, Teletypewriter. E. O. Gammell. 2,401,474-5; June 4.
Secrecy system, Teletypewriter. M. L. Greene. 2,401,477; June 4.
Secret communication system. S. D. Eilenberger. 2,410,276; Oct. 29.
Secret fastener. F. D. Welch. 2,398,984; Apr. 23.
Secret intelligence, Transmitting. C. Pecher. 2,407,381; Sept. 10.
Secret signaling. G. Guanella. 2,405,500; Aug. 6.
Secret signaling, Method and apparatus for. K. Lorenzen and P. Spiegel. 2,407,308; Sept. 10.
Sectional container. H. S. Young. 2,412,024; Dec. 3.
Sectional thermos food container. E. C. Smith. 2,405,764; Aug. 13.
Sectional window screen. H. F. Dion. 2,396,560; Mar. 12.
Securing device. P. B. Keller and D. Jelinek. 2,396,661; Mar. 19.
Securing device. P. B. Keller and D. Jelinek. 2,397,076; Mar. 19.
Securing means, Rug. C. R. Clark. 2,410,479; Nov. 5.
Securing pin. W. F. Simpson. 2,401,976; June 11.
Seed and plant beds, Cover for. R. C. Whitman. 2,401,997; June 11.
Seed sprator, feeder and classifier. M. Schiebendrein. 2,411,812; Nov. 26.
Segmental piston ring. V. F. Zahodiakin. 2,398,270; Apr. 9.
Segregator, Automatic water. D. Samiran. 2,402,670; June 25.
Seismic apparatus and method. O. S. Petty. 2,408,478; Oct. 1.
Seismic exploration system. H. Hoover, Jr. 2,395,481; Feb. 26.
Seismic prospecting, Method and apparatus for. J. Newfield. 2,395,289; Feb. 19.
Seismic surveying. O. S. Petty. 2,395,427; Feb. 26.
Seismic waves, Method and apparatus for recording. J. P. Minton and R. A. Broding. 2,392,758; Jan. 8.
Seismometer. S. A. Scherbatsky. 2,411,117; Nov. 12.
Selecting apparatus for remote-control systems. L. V. Lewis. 2,409,098; Oct. 22.
Selecting device. D. G. Nelson. 2,394,200; Feb. 5.
Selecting mechanism. J. A. Spencer and L. F. Reinhold. 2,406,044; Aug. 20.
Selective carburizing. P. H. Kramer. 2,399,551; Apr. 30.
Selective fading distortion, Reduction of. W. L. Carlson. 2,413,543; Dec. 31.
Selective signal receiving circuit. B. J. Henderson. 2,411,091; Nov. 12.
Selective system for gunfire control. A. P. Davis and J. K. Macomber. 2,410,638; Nov. 5.
Selectivity in phase quadrature, using triple selectivity circuits. J. H. Hammond, Jr., and E. S. Purington. 2,404,062; July 16.
Selector. L. F. Reinhold and J. A. Spencer. 2,404,814; July 30.
Selector and container, Key. O. Seely. 2,411,168; Nov. 19.
Selector and recorder, Menu. F. L. Folis. 2,407,411; Sept. 10.
Selector circuit. C. H. Smith, Jr., and M. L. Kuder. 2,409,229; Oct. 15.
Selector device for sludge digestion tanks, Supernatant. W. M. Pitt. 2,409,555; Oct. 15.
Selector mechanism, Start-stop receiving. W. T. Rea and J. R. Wilkerson. 2,400,574; May 21.
Selenium and tellurium compounds, Organic. G. H. Denison, Jr., and P. C. Condit. 2,398,414; Apr. 16.
Selenium coated base plates, Coating. C. E. Peters. 2,412,692; Dec. 17.
Selenium coated elements and making them. A. von Hippel. 2,408,116; Sept. 24.
Selenium dioxide, Making. C. W. Clark and E. M. Elkin. 2,406,666; Aug. 27.
Selenium element. B. B. Speed. 2,411,560; Nov. 26.
Selenium elements. P. R. Kallmeyer, Jr. 2,392,744; Jan. 8.

- Selenium elements, Making. M. F. Skinner. 2,393,938; Jan. 29.
- Selenium, Producing elemental. A. J. Phillips, Y. E. Lebedeff, and J. R. Crandall. 2,413,374; Dec. 31.
- Selenium, Producing pure. C. W. Clark, E. M. Elkin, and G. R. Watkins. 2,409,835; Oct. 22.
- Self-acting friction clutch. C. Springhorn. 2,401,981; June 11.
- Self-adapting and adjusting depth gauge. W. W. Reeser. 2,400,371; May 14.
- Self-adjusting electrode support. C. H. Bachman. 2,400,332; May 14.
- Self-adjusting fracture reducing device. M. G. Hardinge. 2,397,545; Apr. 2.
- Self-aligning contact. F. W. Curtis. 2,397,246; Mar. 26.
- Self-cooling wheel. R. L. Levy. 2,406,303; Aug. 20.
- Self-feeder for hay balers. W. E. Smith. 2,394,336; Feb. 5.
- Self-latching electric plug. L. Frank. 2,408,551; Oct. 1.
- Self-leveilling oil burner. O. Fortis. 2,394,677; Feb. 12.
- Self-loading vehicle. E. Craig. 2,392,025; Jan. 1.
- Self-locking shaft lock. R. F. Stallman. 2,397,703; Apr. 2.
- Self-priming centrifugal pump. A. J. Nelson. 2,400,434; May 14.
- Self-priming pump. H. E. La Bour. 2,405,836; Aug. 13.
- Self-propelled vehicle. W. Reed. 2,399,881; Mar. 19.
- Self-releasing tool holder. G. H. Cote. 2,392,809; Jan. 15.
- Self-sealing gasoline tank. H. P. Wagner. 2,403,836; July 9.
- Self-sealing tank. K. J. Kopplin. 2,395,556; Feb. 26.
- Self-sealing tank. D. Roberts. 2,407,515; Sept. 10.
- Self-sealing valve coupling. H. C. Krone and W. Meyer. 2,413,571; Dec. 31.
- Self-stoking water heater. R. C. Cross. 2,396,252; Mar. 12.
- Self-synchronous transmission systems, Apparatus and method for testing. W. W. Willard. 2,402,108; June 11.
- Selvage for rayon fabrics. G. F. Womble. 2,400,327; May 14.
- Semiconducting composition. D. E. Edgar and D. J. Sullivan. 2,408,416; Oct. 1.
- Semiconducting composition. W. W. Pendleton and L. E. Frost. 2,409,893; Oct. 22.
- Semiconducting composition and tape produced therefrom. H. H. Barker, L. H. Hill, and L. J. Berberich. 2,399,314; Apr. 30.
- Semitrailer attachment and support. J. J. Black. 2,393,016; Jan. 15.
- Sending and receiving apparatus. E. E. Turner, Jr. 2,407,328; Sept. 10.
- Sending unit, Pressure. H. F. Malone. 2,399,129; Apr. 23.
- Sensing mechanism. W. Leathers. 2,395,557; Feb. 26.
- Sensitive grid press. W. M. Davis. 2,396,642; Mar. 19.
- Sensitive switch control apparatus. C. J. Crane. 2,412,206; Dec. 10.
- Sensitometer. H. W. Morrell, Jr. 2,406,702; Aug. 27.
- Separable fastener. M. Winterhalter. 2,397,331; Mar. 26.
- Separable filter screen. G. J. Klopfenstein. 2,392,537; Jan. 8.
- Separable members. E. Morehouse. 2,406,026; Aug. 20.
- Separating and delivery means, Material. F. O. Trump. 2,401,203; May 28.
- Separating and feeding mechanism. Sheet. W. Pechy. 2,392,403; Jan. 8.
- Separating apparatus. C. B. Schneible. 2,406,441; Aug. 27.
- Separating immiscible fluids, Method and apparatus for. J. M. Walker, Jr. 2,404,872; July 30.
- Separating minerals by flotation. L. T. Monson and O. C. Shepard. 2,395,639; Feb. 26.
- Separating monomeric diolefins from mixtures of relatively low boiling diolefin and mono-olefin monomers. W. W. Gary. 2,398,930; Apr. 23.
- Separating tall oil into fractions by treatment with levulinic acid ester. K. D. Longley. 2,409,137; Oct. 8.
- Separation apparatus, Liquid solids. E. A. Packard. 2,406,248; Aug. 20.
- Separation of homologues of pyridine. W. L. Glowacki and C. E. Winans. 2,402,158; June 18.
- Separator: See—
- But separator. Multiple stage cyclonic separator.
 - Centrifugal separator. Oil separator.
 - Coin separator. Plug separator.
 - Cream separator. Rotary drilling mud separator.
 - Dust separator. Rotor.
 - Entrainment separator. Water separator.
 - Fluid separator.
 - Magnetic separator.
- Separator. R. W. Haase. 2,409,625; Oct. 22.
- Separator. O. P. Warner. 2,399,842; May 7.
- Separator and method in separating wort from mash. Wort and mash. R. C. Schock. 2,399,710; May 7.
- Separator and method, Sheet. J. R. Perry. 2,402,442; June 18.
- Separator apparatus, Liquid. A. Lawson and C. M. Young. 2,405,838; Aug. 13.
- Separator for boiler blow-off products. L. F. Wilson and E. A. Preston. 2,404,263; July 16.
- Separator for dust or other solid impurities. A. E. Nilsson. 2,396,526; Mar. 12.
- Separator for elastic fluid turbines, Liquid. E. D. Dickinson. 2,392,128; Jan. 1.
- Separator for removing air or water mixed with hydrocarbons, comprising a cartridge containing a wadding of wooden shavings, Air and water. E. G. Spangler. 2,412,841; Dec. 17.
- Separator tank. D. A. Miller. 2,393,498; Jan. 22.
- Septic tank. D. Torricelli. 2,412,785; Dec. 17.
- Series spark gap device. E. G. F. Arnott and C. E. Dawley. 2,411,241; Nov. 19.
- Service buffer. D. D. Dickinson. 2,411,864; Dec. 3.
- Service ribbon bar. C. S. and C. R. Coulter. 2,396,160; Mar. 5.
- Service set, Bed. T. D. Crane. 2,408,550; Oct. 1.
- Servicing equipment, Bearing. W. H. Smith. 2,408,958; Oct. 8.
- Serving machine, Strip. T. H. Krueger. Re. 22,732-3; Mar. 19.
- Serving machine, Strip. T. H. Krueger. 2,405,790; Aug. 13.
- Serving system, Drive-in. A. W. Delucchi. 2,405,294; Aug. 6.
- Servo assisted means for controlling the movement of road and like vehicles. S. H. Edge. 2,392,729; Jan. 8.
- Servo motor and control thereof. W. T. Stephens. 2,406,173; Aug. 20.
- Servo-motor. F. J. Better. 2,394,655; Feb. 12.
- Servomotor. T. Simpson. 2,401,197; May 28.
- Servomotor and control. J. E. Whitfield. 2,404,262; July 13.
- Servo-motor device, Liquid pressure. L. C. Chouings. 2,410,269; Oct. 29.
- Servo-motor, Fluid pressure operated. S. R. Kassouf. 2,398,229; Apr. 9.
- Servo system. De Westfelt. 2,411,871; Dec. 3.
- Servo system, Electrical. E. W. Kellogg. 2,410,289; Oct. 29.
- Set back and centrifugal switch. J. W. Busacker. 2,398,734; Apr. 16.
- Set, Master. L. A. Watkins. 2,398,982; Apr. 23.
- Set, Seal. G. A. A. G. Jr., R. H., and L. Moore. 2,408,267; Sept. 24.
- Setting and releasing tool. R. G. Taylor, Jr., and D. B. Hooser. 2,409,811; Oct. 22.
- Setting device on mechanical and electrical measuring instruments. P. Hildebrand and A. Metz. 2,407,154; Sept. 3.
- Setting, Jointing, and filing device, Chain saw. R. H. Wilson. 2,392,563; Jan. 8.
- Setting machine, Fastener. J. P. Trecoaks. 2,406,516; Aug. 27.
- Setting method and apparatus. L. H. Logue. 2,402,649; June 25.
- 7,8-Dimethyl Tocol and preparation of same. P. Karrer and O. Isler. 2,411,970; Dec. 3.
- 17-acetyl-17-hydroxy- perhydrocyclopentenophenanthrenes, acids, and oximes thereof and preparing them. H. E. Staley. 2,411,172; Nov. 19.
- Severing apparatus, Billet. G. C. Ehemann, Jr. 2,405,945; Aug. 20.
- Severing grid strips into predetermined grid lengths, Method and apparatus for. G. L. Whipple. 2,392,870; Jan. 15.
- Severing method and mechanism, Molten glass. W. C. Weber. 2,401,994; June 11.
- Severing tool. A. B. Nesbitt and S. Webb. 2,410,356; Oct. 29.
- Sewage, Method of and apparatus for treating. A. C. Durdin, III. 2,404,223; July 16.
- Sewage treatment. J. D. Walker. 2,394,413; Feb. 5.
- Sewer pipe joint. E. M. Davids. 2,401,554; June 4.
- Sewing and darning machine, Convertible. R. K. Hohmann and E. D. Boisselier. 2,409,758; Oct. 22.
- Sewing and knitting cabinet. E. P. Schreyer. 2,398,256; Apr. 9.
- Sewing and roughening machine. J. R. Oliver. 2,397,619; Apr. 2.
- Sewing appliance. F. S. Kralovic. 2,412,891; Dec. 17.
- Sewing machine. F. Ashworth. 2,399,159; Apr. 30.
- Sewing machine. J. G. Attwood. 2,395,635; Feb. 26.
- Sewing machine. S. W. Avis. 2,405,871; Aug. 13.
- Sewing machine. H. Boothroyd. 2,411,499; Nov. 26.
- Sewing machine. A. B. Clayton. 2,394,510; Feb. 5.
- Sewing machine. N. E. Cologrove. 2,393,697; Apr. 16.
- Sewing machine. W. Diezel. 2,392,728; Jan. 8.
- Sewing machine. I. M. A. Garcia. 2,407,148; Sept. 3.
- Sewing machine. O. R. Haas. 2,394,171; Feb. 5.
- Sewing machine. H. J. Le Vesconte. 2,398,652; Apr. 16.
- Sewing machine. H. J. Le Vesconte and M. L. Cook. 2,412,894; Dec. 17.
- Sewing machine. J. Nachman. 2,407,342; Sept. 10.
- Sewing machine. J. H. Pikul. 2,410,679; Nov. 5.
- Sewing machine. J. H. Pikul. 2,411,977; Dec. 3.
- Sewing machine. E. Polimac. 2,395,579; Feb. 26.
- Sewing machine. C. F. Rubel. 2,400,602; May 21.
- Sewing machine. C. F. Rubel and A. M. Schweda. 2,398,667; Apr. 16.
- Sewing machine. G. Sauer. 2,400,212; May 14.
- Sewing machine. G. Sauer. 2,404,318; July 16.
- Sewing machine. G. Sauer, A. M. Schweda, and C. C. Smith. 2,393,816; Jan. 29.

- Sewing-machine accessory. J. W. and J. P. Murphy. 2,413,064; Dec. 24.
- Sewing machine arm. C. E. Colegrove. Re. 22,822; Dec. 24.
- Sewing machine attachment. C. W. Martin. 2,408,025; Sept. 24.
- Sewing machine, Buttonhole. A. R. Wood. 2,411,493; Nov. 19.
- Sewing machine frame. K. Perkins. 2,411,459; Nov. 19.
- Sewing machine, Moccasin. W. A. Crawford. 2,408,738; Oct. 8.
- Sewing machine, Overcasting. A. Sardu. 2,409,592; Oct. 15.
- Sewing machine, Shoe. C. W. Baker. 2,410,859; Nov. 12.
- Sewing machine, Shoe. R. M. Baumgartner and J. K. Smith. 2,392,304; Jan. 8.
- Sewing machine, Shoe. K. A. Stritter. 2,398,475; Apr. 16.
- Sewing machine, Table board supported. F. Gegauf. 2,398,931; Apr. 23.
- Sextant, Universal. A. L. Chauvet. 2,411,870; Dec. 3.
- Sextants and the like, Horizontal reference means for. T. L. Thurlow. 2,395,921; Mar. 5.
- Shackle, Bomb releasing. R. I. Markey. 2,409,575; Oct. 15.
- Shackle, Poultry. F. J. Bilek. 2,405,638; Aug. 13.
- Shade and making the same, Lamp. S. B. Bartha. 2,408,594; Oct. 15.
- Shade attaching means, Window. F. J. Burns. 2,397,775; Apr. 2.
- Shade construction, Window. A. L. Thexton. 2,396,542; Mar. 12.
- Shade, Lamp. E. Krebeck. 2,392,324; Jan. 8.
- Shade, Lamp. M. E. Morgenroth. 2,400,944; May 28.
- Shade mounting. S. J. Blasco. 2,392,307; Jan. 8.
- Shade or the like, Lamp. G. A. Bryant. 2,397,466; Apr. 2.
- Shade roller bracket. H. F. Jeffs. 2,396,266; Mar. 12.
- Shades and similar articles, Making lamp. J. H. Brown. 2,404,162; July 16.
- Shaft and camshaft adaptation, Distributor. C. W. Wilkinson. 2,404,017; July 16.
- Shaft bearing. D. Firth. 2,405,122; Aug. 6.
- Shaft brake. A. O. Williams. 2,395,207; Feb. 19.
- Shaft cooling. R. S. Buck and A. Kalitinsky. 2,395,097; Feb. 19.
- Shaft locking device. J. E. Gall. 2,409,204; Oct. 15.
- Shaft motion for hand looms, Heald. P. Florjancic and E. Boral. 2,405,782; Aug. 13.
- Shaft positioning apparatus. R. W. May. 2,396,714; Mar. 19.
- Shaft restraining device. F. M. Lewis. 2,395,888; Mar. 5.
- Shaft seal. O. Jacobsen. 2,409,125; Oct. 8.
- Shaft seal. R. Wool. 2,395,705; Feb. 26.
- Shaft Torque. D. W. Schaeffer. 2,394,490; Feb. 5.
- Shaft torsion measuring means. E. J. Martin. C. E. Grinstead and R. N. Frawley. 2,409,876; Oct. 22.
- Shaft, Two stage propeller. H. O. Schjolin. 2,394,405; Feb. 5.
- Shafts, Seal for. S. S. Roberts. 2,401,108; May 28.
- Shaker, Salt and pepper. O. H. Crowell. 2,395,613; Feb. 26.
- Shale distillation. F. H. Blanding. 2,396,036; Mar. 5.
- Shank stiffener. N. Rosenthal. 2,403,950; July 16.
- Shaped articles, Forming. M. Skolnik. 2,405,528; Aug. 6.
- Shaped articles, Obtaining. M. M. Brubaker and W. E. Hanford. 2,400,099; May 14.
- Shaped structures from proteins, Production of. F. K. Watson. 2,399,084; Apr. 23.
- Shaping a solid body against another body, Method in. N. G. Elfstrom. 2,398,364; Apr. 16.
- Shaping of glass tubes. H. H. Snyder. 2,394,115; Feb. 5.
- Sharpening. Bit. A. Crot. 2,408,916; Oct. 8.
- Sharpening, Blade. W. Struve. 2,392,784; Jan. 8.
- Sharpening, Chain saw. A. R. Lofstrand, Jr. 2,410,828; Nov. 12.
- Sharpening for beveled-edge tools. V. L. Rose. 2,398,560; Apr. 16.
- Sharpening for lawn mowers, Blade. F. B. Herbert. 2,399,437; Apr. 30.
- Sharpening, Knife. E. L. Barnes. 2,404,025; July 16.
- Sharpening, Knife. E. E. Case. 2,413,169; Dec. 24.
- Sharpening, Knife. E. B. Lambert. 2,393,711; Apr. 16.
- Sharpening, Knife. J. Urban. 2,406,519; Aug. 27.
- Sharpening, Knife and scissor. J. M. Miller. 2,406,094; Aug. 20.
- Sharpening, Lawn mower. R. T. Burrows. 2,410,566; Nov. 5.
- Sharpening, Lawn mower. O. Herwick and T. M. Taylor. 2,407,783; Sept. 17.
- Sharpening, Lawn mower. R. P. Pedersen. 2,406,162; Aug. 20.
- Sharpening, Pencil. R. B. Fleming. 2,408,767; Oct. 8.
- Sharpening, Razor blade. C. P. Martin. 2,393,791; Jan. 29.
- Sharpening, Razor blade. R. I. and H. C. Schauble. 2,398,255; Apr. 9.
- Sharpening, Safety razor blade. R. G. Bryan. 2,392,640; Jan. 8.
- Sharpening, Skate. W. H. Talbert. 2,398,566; Apr. 16.
- Sharpening, Twist drill. J. Banner. 2,408,544; Oct. 1.
- Sharpening device. S. Tarapczynski. 2,413,156; Dec. 24.
- Sharpening device for cutlery. R. J. Foster. 2,397,256; Mar. 26.
- Sharpening device, Needle. W. C. Freeland. 2,402,245; June 18.
- Sharpening machine. A. A. Gradisar. 2,402,155; June 18.
- Sharpening mechanism, Bit. W. H. Wineman. 2,404,201; July 15.
- Shaver and element thereof, Dry. H. Ruskin. 2,411,594; Nov. 26.
- Shaver, Dry. H. Aaron. 2,401,292; June 4.
- Shaver, Dry. C. E. Beatty. 2,402,233; June 18.
- Shaving machine. J. T. Scully. 2,400,027; May 7.
- Shaving machine, Gear. C. E. Staub. 2,397,515; Apr. 2.
- Shaving mug and shaving cream dispenser, Combination. C. A. Spinola. 2,392,007; Jan. 1.
- Shear, Metal. L. Iversen. 2,400,996; May 28.
- Shear, Oscillating rotary. R. H. Stevens. 2,410,555; Nov. 5.
- Shear press. W. G. Wehr. 2,397,896; Apr. 2.
- Shearing apparatus. W. B. Hackett. 2,397,603; Apr. 2.
- Shearing apparatus. C. W. Hawthorne. 2,401,639; June 4.
- Shearing apparatus. W. B. Shear. 2,412,066; Dec. 3.
- Shears. D. H. Keiser, Jr. 2,407,237; Sept. 10.
- Shears, Pinking. F. C. Kethcart. 2,395,897; Mar. 5.
- Shears, Pinking. W. G. Mitchell. 2,395,896; Mar. 5.
- Shear, Stripping. J. P. Belgado. 2,406,670; Aug. 27.
- Sheathed valve. P. F. Johnson. 2,403,926; July 16.
- Sheathing for explosives. D. D. Huyet and F. S. Pollock. 2,412,581; Dec. 17.
- Sheathing material. C. D. Pratt and J. A. Farr. 2,413,516; Dec. 31.
- Sheave, Adjustable. D. Firth and M. L. Fast. 2,400,294; May 14.
- Sheave, Adjustable V-belt. A. W. Oehler and E. J. Johnson. 2,401,178; May 28.
- Sheave mounting. E. L. Myers. 2,407,033; Sept. 3.
- Sheaves, etc., Mounting for. D. Firth. 2,402,743; June 25.
- Sheet and manufacture, Plastic. E. H. Land. 2,402,166; June 18.
- Sheet assembly device. H. G. Denyven and A. E. and E. R. Hess. 2,392,031; Jan. 1.
- Sheet attaching mechanism. W. W. Guyon. 2,405,420; Aug. 6.
- Sheet cutting and creasing press. A. J. Evers. 2,413,553; Dec. 31.
- Sheet fastener. P. Van Sittert. 2,402,308; June 18.
- Sheet feeder. C. W. Harrold. 2,406,765; Sept. 3.
- Sheet feeder. C. W. Harrold. 2,406,766; Sept. 3.
- Sheet-feeding and-marking method and machine. L. L. Matthews. 2,395,490; Feb. 26.
- Sheet feeding device. G. A. Hileman and M. E. Houk. 2,395,740; Feb. 26.
- Sheet feeding mechanism. F. E. Curtis. 2,393,614; Jan. 29.
- Sheet feeding mechanism. W. J. Haessler. 2,397,258; Mar. 26.
- Sheet for rubber, Protective. L. L. Leach. 2,391,986; Jan. 1.
- Sheet handling mechanism. E. R. Muddiman. 2,412,001; Dec. 3.
- Sheet material and seam construction. C. A. Southwick, Jr. 2,395,077; Feb. 19.
- Sheet material, Asbestos. M. F. Smith and H. W. Greider. 2,407,581; Sept. 10.
- Sheet material feeder control mechanism. S. Garassino. 2,391,892; Jan. 1.
- Sheet material, Laminated fibrous. H. O. Ware. 2,401,675; June 4.
- Sheet material, Manufacture of artificial fibrous. R. and J. Pickles. 2,405,978; Aug. 20.
- Sheet material, Method and apparatus for cutting or punching. H. H. Mohaupt. 2,407,093; Sept. 3.
- Sheet material, Method of and apparatus for perforating. G. F. Ryan. 2,405,714; Aug. 13.
- Sheet materials comprising polyvinyl chloride. J. H. McGinn. 2,392,857; Jan. 15.
- Sheet materials, Laminating porous. J. G. Ford. 2,399,338; Apr. 30.
- Sheet, Message. W. P. Rend. 2,405,327; Aug. 6.
- Sheet metal and the like, Drawing, forming, shaping, or embossing. L. V. and S. A. Whistler. 2,399,775; Mar. 7.
- Sheet metal fastener. H. W. Kost. 2,400,545; May 21.
- Sheet metal, Forming. H. M. Jager. 2,395,831; Mar. 5.
- Sheet metal, Forming. H. M. Jager. 2,400,004; May 7.
- Sheet metal, Forming. H. M. Jager and E. Schenk. 2,395,850; Mar. 5.
- Sheet metal, Forming. H. M. Jager and E. Schenk. 2,395,832; Mar. 5.
- Sheet metal piercing. A. E. Hutt. 2,395,123; Feb. 19.
- Sheet metal structural element, Double skin. A. J. Graftman. 2,392,818; Jan. 15.
- Sheet of biaxially oriented organic polymer, Process and apparatus for producing continuous. F. E. Wiley, K. W. Canfield, R. S. Jesionowski, and J. Bailey. 2,412,187; Dec. 3.
- Sheet tile, Wall surface. D. C. Luse. 2,407,025; Sept. 3.
- Sheet registering mechanism. F. R. Belluche. 2,395,444; Feb. 26.
- Sheet, Spreading. L. Lenz. 2,397,967; Apr. 9.

- Sheet, Transfer. R. M. Kneale. 2,408,147; Sept. 24.
- Sheets, Adhesive. G. T. Turner and E. P. Wenzelberger. 2,411,237; Nov. 19.
- Sheets, Attaching a plurality of. W. W. Guyon. 2,405,421; Aug. 6.
- Sheets, Manufacture of fiber-cement. E. W. Rembert. 2,401,663; June 4.
- Sheets, Manufacture of fibro-cementitious. E. W. Rembert. 2,407,514; Sept. 10.
- Sheets of polymerized unsaturated compounds, Forming rigid. A. C. Chienk. 2,392,578; Jan. 8.
- Sheets, Registering. A. Neubart. 2,406,847; Sept. 3.
- Sheets to receive resinous coatings, Preparation of galvanized. G. R. Hoover and N. E. Hays. 2,407,881; Sept. 17.
- Shelf for ironing machines, Lap. F. M. Freis. 2,400,497; May 21.
- Shelf or rack for refrigerators, ovens and the like. W. Friegel. 2,410,648; Nov. 5.
- Shelf, Refrigerator. R. S. Ahrens and W. A. Ellsworth. 2,403,164; July 2.
- Shelf, Refrigerator. J. H. Pfeiffer. 2,400,438; May 14.
- Shelf, Revolving book. R. E. Elvers. 2,395,618; Feb. 26.
- Shell. F. R. Amthor. 2,396,978; Mar. 19.
- Shell, Antiaircraft. C. A. Witssett. 2,402,716; June 25.
- Shell, Equilibrated rocket. Z. Fonberg. 2,409,427; Oct. 15.
- Shell, Explosive. R. C. Chavez. 2,406,135; Aug. 20.
- Shell, Knock-down globular. E. Raizis. 2,406,164; Aug. 20.
- Shell wad. Shot. W. L. Finlay. 2,398,297; Apr. 9.
- Shellac, Bleaching. G. P. Vincent. 2,397,389; Mar. 26.
- Shellac substitute, Producing a M. Rogovin. 2,396,608; Mar. 12.
- Shelter. W. A. Halicki and D. B. Gordon. 2,397,259; Mar. 26.
- Sherbet compositions, Stabilizing. S. Musher. 2,395,060; Feb. 19.
- Shield, Bud. J. A. Dockry. 2,413,487; Dec. 31.
- Shield, Cockpit. De W. T. Ross. Jr. 2,403,193; July 2.
- Shield, Detonation. W. P. Massey. 2,405,590; Aug. 13.
- Shield, Dust. G. B. Gallasch. 2,406,213; Aug. 20.
- Shield, Eye. H. L. Shock, Jr. 2,395,297; Feb. 19.
- Shield, Face. O. S. Flood. 2,406,598; Aug. 27.
- Shield for all types of airplane engines, Heating. R. F. Miller. 2,404,394; July 23.
- Shield for electrolytic tanks, Insulating. S. B. Sanford and W. G. Nutzel. 2,411,638; Nov. 26.
- Shield for medicinal needles. S. C. Carville. 2,393,143; Jan. 15.
- Shield for sanding drum slots. T. L. Bonkowski. 2,413,165; Dec. 24.
- Shield for transmitter mouthpieces, Noise. E. B. Newman and J. Miller. 2,408,474; Oct. 1.
- Shield for welders' helmets. A. Krogel. 2,394,388; Feb. 5.
- Shield, Glare. L. R. Le Lande. 2,410,171; Oct. 29.
- Shield, Heat. R. D. Young. 2,403,203; July 2.
- Shield, Industrial safety. W. Dilley. 2,401,056; May 28.
- Shield or shade, Eye. I. L. Robbelle. 2,413,193; Dec. 24.
- Shield or the like, Welding. R. A. Romberg. 2,410,306; Oct. 29.
- Shield, Protecting. G. N. Mas. 2,406,090; Aug. 20.
- Shield, Safety. E. T. Johnson. 2,410,503; Nov. 5.
- Shield, Welder's. E. R. Beck. 2,396,239; Mar. 12.
- Shield, Welder's. G. G. Landis. 2,395,053; Feb. 19.
- Shielded spark-plug connector. W. R. Curtiss. 2,398,359; Apr. 16.
- Shielded tube mounting. S. M. Del Camp. 2,398,626; Apr. 16.
- Shift mechanism for typewriters. E. G. Robeson. 2,396,344; Mar. 12.
- Shifter, Phase. H. E. Beste. 2,408,193; Sept. 24.
- Shifter, Wide band phase. K. G. Hodgson. 2,392,476; Jan. 8.
- Shingle, Making thick butt. A. A. Fassiotto and G. W. Strunk. 2,400,746; May 21.
- Ship. R. B. Gray and J. C. De Weese. 2,394,607; Feb. 12.
- Ship curve, Adjustable. G. L. Lateur. 2,404,880; July 30.
- Ship drive control system. W. E. Brill. 2,396,231; Mar. 12.
- Ship light. G. C. Parsons. 2,395,756; Feb. 26.
- Ship or vessel. A. J. Levin. 2,406,084; Aug. 20.
- Ship propulsion. R. Cote. 2,413,173; Dec. 24.
- Ship propulsion turbine arrangement. G. B. Warren. 2,397,173; Mar. 26.
- Ship, Welded. G. Pamphills. 2,393,653; Jan. 29.
- Shipping container. A. I. Lamb. 2,393,675; Jan. 8.
- Ships, Building. R. D. Bourne. 2,395,131; Apr. 9.
- Ships from submarine explosions, Protecting. W. P. Mason. 2,401,361; June 4.
- Ships, Raising sunken. N. E. Dorland. 2,399,475; Apr. 30.
- Shirt. R. Hirlund. 2,398,428; Apr. 16.
- Shirt collar construction. E. O. Hirsch. 2,401,157; May 28.
- Shirt collar holder. C. M. Mead. 2,408,569; Oct. 1.
- Shirt collar support. W. W. McFall. 2,401,789; June 11.
- Shirt construction. A. L. Silver and A. Stein. 2,408,180; Sept. 24.
- Shock-absorbent mounting. E. J. Lombardi. 2,391,909; Jan. 1.
- Shock absorber. E. L. Beecher. 2,394,355; Feb. 5.
- Shock absorber. E. L. Beecher. 2,394,356; Feb. 5.
- Shock absorber. E. L. Beecher. 2,396,227; Mar. 12.
- Shock absorber. G. E. Dath. 2,406,064; Aug. 20.
- Shock absorber. R. M. Harmon. 2,412,885; Dec. 17.
- Shock absorber. E. H. Lehman and G. E. Dath. 2,411,630; Nov. 26.
- Shock absorber. G. M. Magrum. 2,410,176; Oct. 29.
- Shock absorber. B. L. Mallory. 2,408,985; Oct. 8.
- Shock absorber. S. Symonds. 2,398,728; Apr. 16.
- Shock absorber. R. H. Whisler, Jr. 2,395,027; Feb. 19.
- Shock absorber, Floating. N. O. Myklestad. 2,410,902; Nov. 12.
- Shock absorber for hydraulic systems. J. A. Hendel and M. J. Stupelli. 2,407,276; Sept. 10.
- Shock absorber, Friction. G. E. Dath. 2,392,023; Jan. 1.
- Shock absorber, Friction. G. E. Dath. 2,392,977; Jan. 15.
- Shock absorber, Friction. G. E. Dath. 2,395,171; Feb. 19.
- Shock absorber, Friction. G. E. Dath. 2,396,773-4; Mar. 19.
- Shock absorber, Friction. G. E. Dath. 2,402,536; June 25.
- Shock absorber, Friction. G. E. Dath. 2,403,584; July 9.
- Shock absorber, Friction. G. E. Dath. 2,405,644; Aug. 13.
- Shock absorber, Friction. G. E. Dath. 2,413,295; Dec. 31.
- Shock absorber, Friction. S. B. Haseltine. 2,400,504; May 21.
- Shock absorber, Friction. E. H. Lehman. 2,411,279; Nov. 19.
- Shock absorber, Hydraulic. N. S. Focht. 2,403,648; July 9.
- Shock absorber, Hydraulic. N. S. Focht. 2,409,349; Oct. 15.
- Shock absorber, Hydraulic. F. R. Harris. 2,405,502; Aug. 6.
- Shock absorber on sweep arm for picker motion looms. J. Nault. 2,413,643; Dec. 31.
- Shock absorber structure. R. H. Whisler, Jr. 2,410,539; Nov. 5.
- Shock absorbing device. J. R. Snyder. 2,404,666; July 23.
- Shock absorbing device. C. C. Whittaker. 2,405,001; July 30.
- Shock absorbing means for tension testing machines. E. I. and R. E. Dillon. 2,411,773; Nov. 26.
- Shock absorbing mechanism. W. A. Geiger. 2,398,110; Apr. 23.
- Shock absorbing mechanism. R. J. Olander. 2,395,972; Mar. 5.
- Shock absorbing mechanism, Combined spring and friction. G. E. Dath. 2,398,083; Apr. 9.
- Shock absorbing mechanism, Friction. A. A. Bureau. 2,401,905; June 11.
- Shock absorbing mechanism, Friction. G. E. Dath. 2,411,956; Dec. 3.
- Shockproof contactor. D. Ellis, O. L. Taylor, and R. T. Barnett. 2,409,115; Oct. 8.
- Shockproof mounting. R. B. Shores. 2,412,838; Dec. 17.
- Shockproof switch. J. W. McClain. 2,411,447; Nov. 19.
- Shockproofing mechanism. G. H. Syrovoy. 2,406,265; Aug. 20.
- Shoe. D. B. Caratozzolo. 2,411,850; Dec. 3.
- Shoe. C. H. Daniels. 2,398,623; Apr. 16.
- Shoe. H. H. Johnson. 2,407,498; Sept. 10.
- Shoe. J. S. Kamborian. 2,393,989; Feb. 5.
- Shoe. S. L. Kleven. 2,407,556; Sept. 10.
- Shoe. J. J. Maguire. 2,397,361; Mar. 26.
- Shoe. V. W. Rothweiler. 2,394,718; Feb. 12.
- Shoe. T. Saval. 2,409,902; Oct. 22.
- Shoe. K. A. Stritter. 2,394,725; Feb. 12.
- Shoe. E. E. Taber, Jr., and T. L. Keene. 2,407,189; Sept. 3.
- Shoe, Air-cooled brake. C. C. Eurit. 2,406,067; Aug. 20.
- Shoe and making. S. V'Soske. 2,393,434; Jan. 22.
- Shoe and making the same. J. D. Chandler. 2,407,224; Sept. 10.
- Shoe and making the same. J. J. Walsh. 2,404,150; July 16.
- Shoe and manufacturing the same. J. R. Brady and A. Moskowitz. 2,412,865; Dec. 17.
- Shoe and the like. L. T. J. Dack. 2,399,543; Apr. 30.
- Shoe, Arch supporting. K. A. Stritter. 2,400,269; May 14.
- Shoe, Brake. J. H. Hunt. 2,398,006; Apr. 9.
- Shoe, Brake. W. T. Russell. 2,407,035; Sept. 3.
- Shoe cleat. A. B. De Stefano. 2,413,177; Dec. 24.
- Shoe conditioner. G. H. De Long and B. Breisbach. 2,410,154; Oct. 29.
- Shoe construction. S. Cangemi. 2,404,214; July 16.
- Shoe construction. J. H. Davis. 2,396,832; Mar. 19.
- Shoe construction. W. A. Evans. 2,397,413; Mar. 26.
- Shoe construction. S. P. Lovell and F. H. Russell. 2,399,492; Apr. 30.
- Shoe construction. J. Sbarra. 2,398,044; Apr. 9.
- Shoe construction. J. Q. Strong. 2,410,530; Nov. 5.
- Shoe construction. E. Zintli. 2,413,481; Dec. 31.
- Shoe construction, Box toe. S. Susswein. 2,394,216; Feb. 5.
- Shoe construction, Novel. M. Margolin. 2,405,224; Aug. 6.

- Shoe counter and shankpiece, Combined. W. P. Herlihy. 2,412,773; Dec. 17.
- Shoe dressings. J. Ratner. 2,399,693; May 7.
- Shoe for divers. J. Browne. 2,403,477; July 9.
- Shoe for grain threshers, Shaker. T. Carroll. 2,395,163; Feb. 19.
- Shoe heel, Composite. M. Margolis. 2,412,899; Dec. 17.
- Shoe heels, Attaching. J. S. Kamborian. 2,393,990; Feb. 5.
- Shoe last. C. W. Marcell. 2,392,826; Jan. 15.
- Shoe lasts, Manufacture of graded. J. A. Iredale. 2,394,780; Feb. 12.
- Shoe machine. E. Quinn and N. A. Monfils. 2,397,369; Mar. 26.
- Shoe machine. C. A. Robinson. 2,409,643; Oct. 22.
- Shoemaking. E. L. Beckwith and R. B. Harrison. 2,412,385; Dec. 10.
- Shoemaking. K. Engel. 2,412,449; Dec. 10.
- Shoemaking. G. A. Gleason. 2,392,816; Jan. 15.
- Shoemaking. R. A. Huebel. 2,409,860; Oct. 22.
- Shoemaking. B. F. Lee. 2,412,521; Dec. 10.
- Shoemaking. H. G. McMurray. 2,409,880; Oct. 22.
- Shoemaking. A. E. Murray. 2,396,926; Mar. 19.
- Shoemaking. A. R. Riddister. 2,393,566; Jan. 22.
- Shoe manufacture. I. Farlow. 2,411,479; Nov. 19.
- Shoe, Molded plastic. O. E. Ihle. 2,402,227; June 18.
- Shoe, Novelty squawk-type. L. L. Cordi. 2,413,545; Dec. 31.
- Shoe, Patent leather. K. I. Clisby. 2,394,900; Feb. 12.
- Shoe, Picking. B. W. Brouwer. 2,407,056; Sept. 3.
- Shoe, Platform. S. Gallo. 2,411,682; Nov. 26.
- Shoe, Platform. G. A. Gleason. 2,392,815; Jan. 15.
- Shoe preserver. M. H. Rice. 2,413,071; Dec. 24.
- Shoe press. F. Dawson and J. F. Smith. 2,397,843; Apr. 2.
- Shoe protector. W. Wood, Jr. 2,410,853; Nov. 12.
- Shoe rack. S. Gerlich. 2,409,268; Oct. 15.
- Shoe, Reversible. A. G. Timson. 2,409,813; Oct. 22.
- Shoe sewing machine. F. Ashworth and C. F. Whitaker. 2,397,588; Apr. 2.
- Shoe sole. J. Gregz. 2,405,498; Aug. 6.
- Shoe sole, Composition. W. M. Quinn. 2,395,294; Feb. 19.
- Shoe sole construction. M. Margolin. 2,412,226; Dec. 10.
- Shoe sole or shoe sole element. S. V'Soske. 2,393,433; Jan. 22.
- Shoe sole taps, Making. P. Williams. 2,393,210; Jan. 15.
- Shoe supporting jack. A. R. Morrill. 2,406,306; Aug. 20.
- Shoe, Tire. G. A. Barker. 2,409,182; Oct. 15.
- Shoe, Track. H. A. Knox. 2,391,907; Jan. 1.
- Shoe, Track. H. A. Knox. 2,393,323; Jan. 22.
- Shoe, Track. F. R. Mery. 2,393,336; Jan. 22.
- Shoe tree. K. Barber. 2,408,545; Oct. 1.
- Shoe tree, Adjustable. C. A. Traurig. 2,400,273; May 14.
- Shoe, Water-resistant. G. H. Jennings. 2,408,650; Oct. 1.
- Shoe, Welted. J. D. Horvit. 2,397,316; Mar. 26.
- Shoe welting. W. C. Vizard. 2,404,998; July 30.
- Shoe, Women's sport. J. H. Schroeder. 2,393,824; Jan. 29.
- Shoes. C. C. Klaus. 2,403,442; July 9.
- Shoes. J. J. Walsh. 2,399,410; Apr. 30.
- Shoes, Cementing outsole for. J. A. Mahoney and W. S. Anderson. 2,395,133; Feb. 19.
- Shoes, Fitting. E. J. Bliss. 2,399,424; Apr. 30.
- Shoes, Heel construction for platform. E. M. Bonyhady. 2,402,727; June 25.
- Shoes, Making. J. S. Kamborian. 2,393,991; Feb. 5.
- Shoes, Making. H. S. Lyness. 2,394,705; Feb. 5.
- Shoes, Making. K. A. Stritter. 2,404,546; July 12.
- Shoes, Making. K. A. Stritter. 2,407,352; Sept. 10.
- Shoes, Making. J. White. 2,403,253; July 2.
- Shoes, Making platform. W. J. Kubicki. 2,404,878; July 30.
- Shoes, Making slip lasted. J. J. Walsh. 2,406,975; Sept. 3.
- Shoes, Manufacture of. A. Atlas. 2,396,485; Mar. 12.
- Shopping bag, Carrier. C. A. Goza. 2,394,050; Feb. 5.
- Shore. A. Negovan, E. R. Straton, and W. C. Roggie. 2,403,321; Aug. 6.
- Short-circuit indicator. W. P. Cress. 2,401,636; Nov. 5.
- Short wave direction finder. L. C.-L. Yuan and C. E. Miller. 2,410,917; Nov. 12.
- Shortening, Commuted. E. K. Chapin. 2,392,833; Jan. 15.
- Shorthand machine. D. L. Shelton. 2,393,661; Jan. 29.
- Shot trap for air rifle targets. H. E. Cole. 2,397,921; Apr. 9.
- Shoulder harness take-up and inertia lock. W. A. Geoghegan and R. E. Phipps. 2,403,653; July 9.
- Shoulder pad. W. R. Gershen. 2,403,274; July 2.
- Shoulder pad. B. Glickman. 2,405,030; July 30.
- Shoulder pad. B. Nichols. 2,402,292; July 18.
- Shoulder pad. J. Tangorra. 2,395,024; Feb. 19.
- Shoulder pad. M. R. Witham. 2,407,755; Sept. 17.
- Shoulder perfectioner. O. Royce. 2,400,210; May 14.
- Shovel. D. L. Cross. 2,396,089; Mar. 5.
- Shovel. A. A. La Pointe. 2,407,930; Sept. 17.
- Shovel. V. L. Schield. 2,402,299; June 18.
- Shovel attachment for tractors, Mechanical. J. H. Vowless. 2,397,303; Mar. 26.
- Shovel, Pull. R. O. Billings. 2,411,498; Nov. 26.
- Shovel, Tractor. M. L. Conrad. 2,412,323; Dec. 10.
- Shovels, Making. R. Harte. 2,399,800; May 7.
- Shower cabinet. H. J. Cohn. 2,394,594; Feb. 12.
- Shower for corrugators, Steam. T. S. Fitchett, H. B. Greenwood, and W. G. Shackelford. 2,413,409; Dec. 31.
- Shower, Portable. E. R. Andrews and L. H. Steans. 2,403,430; July 9.
- Shower stall. G. A. Dailey. 2,394,667; Feb. 12.
- Shredding machine. T. E. Clifton. 2,396,083; Mar. 5.
- Shrinkage compensating means. F. F. Ehrenhaft. 2,397,730; Apr. 2.
- Shutoff device and cock, Combined thermoelectric safety. H. A. Mantz. 2,409,947; Oct. 22.
- Shutter actuating mechanism. J. Bolsey. 2,412,559; Dec. 17.
- Shutter, Camera. J. Terrett and W. B. Wood. 2,392,071; Jan. 1.
- Shutter drive, Setting. C. C. Fuerst. 2,410,649; Nov. 5.
- Shutter, Explosively actuated high-speed. S. M. MacNelle. 2,403,730; July 9.
- Shutter for fishing nets. J. Motel. 2,409,146; Oct. 8.
- Shutter operator. F. McMI. Sawyer. 2,397,754; Apr. 2.
- Shutter, Portrait camera. L. S. Osborne. 2,400,778; May 21.
- Shutter structure. D. I. Hite. 2,394,059; Feb. 5.
- Shuttle car. W. W. Sloane. 2,412,755; Dec. 17.
- Shuttle check controlled by temperature. R. G. Turner. 2,397,821; Apr. 2.
- Shuttle holder. W. A. Bohrens. 2,400,528; May 21.
- Shuttle, Loom. J. J. Kaufmann, Jr. 2,403,724; July 9.
- Shuttle, Loom. J. J. Kaufmann, Jr. 2,407,162; Sept. 3.
- Shuttle, Loom. J. J. Kaufmann, Jr. 2,408,981; Oct. 8.
- Shuttle, Loom. J. J. Kaufmann, Jr. 2,410,383; Oct. 29.
- Shuttle propelling mechanism. H. and E. O. W. Hoebel and W. T. Read. 2,413,629; Dec. 31.
- Shuttle, Sewing machine. W. F. Shimek. 2,396,755; Mar. 19.
- Shuttle, Tinting. E. H. Larson. 2,395,786; Feb. 26.
- Shuttle valve. J. F. Melchior. 2,408,799; Oct. 8.
- Shuttle, Weaver's. R. Schmidt. 2,404,749; July 23.
- Shuttle with rubber tip. R. G. Turner. 2,409,003; Oct. 8.
- Side arm heater. C. E. Willig. 2,406,052; Aug. 20.
- Side wall sampling tool. C. J. McWhorter. 2,392,683; Jan. 8.
- Sieve construction for harvesters, Sheet metal. D. E. Sargent and R. W. Rolison. 2,413,382; Dec. 31.
- Sieve, Eccentric-solenoid actuated. L. H. Snyder. 2,412,840; Dec. 17.
- Sieve or chaffer. E. G. Waite. 2,392,014; Jan. 1.
- Sifter, Flour. T. Bailey. 2,393,453; Jan. 22.
- Sifter, High-speed. M. B. Nicholls. 2,395,138; Feb. 19.
- Sifter package for pharmaceuticals. M. R. Fields. 2,410,438; Nov. 5.
- Sifting device. H. P. Faris and J. E. White. 2,392,812; Jan. 15.
- Sight. L. H. Brown. 2,393,308; Jan. 22.
- Sight. S. W. Fish. 2,401,752; June 11.
- Sight. J. C. Garand. 2,406,011; Aug. 20.
- Sight, Computing aircraft gun. C. G. Holschuh and O. A. Viehler. 2,396,701; Mar. 19.
- Sight director. J. James. 2,404,379; July 23.
- Sight for firearms, Rear. H. F. Mossberg. 2,407,437; Sept. 10.
- Sight, Gun. T. Siedlarz. 2,402,263; June 18.
- Sight, Peep. R. A. Harding. 2,399,633; May 7.
- Sight, Skeet and trap. R. Le G. Hughton. 2,395,409; Feb. 26.
- Sighting apparatus. D. L. Colbath. 2,406,807; Sept. 3.
- Sighting apparatus for firearms. N. F. Barnes and K. R. Geiser. 2,395,013; Jan. 15.
- Sighting apparatus, Optical. C. S. Grimshaw. 2,406,828; Sept. 3.
- Sighting device. C. G. Holschuh and D. Fram. 2,399,676; May 7.
- Sighting device. W. B. Klemperer and S. J. Goldberg. 2,412,585; Dec. 17.
- Sighting instrument, Optical. R. Noske. 2,400,252; May 14.
- Sighting mechanism. W. W. Willard. 2,408,356; Sept. 24.
- Changeable letter sign. Reflector button sign.
- Highway reflector sign. Swingable road sign.
- Illuminated sign.
- Sign. H. A. Hoag. 2,399,029; Apr. 23.
- Sign. R. M. Livingston. 2,402,561; June 25.
- Sign or the like, Highway reflector. H. G. Meigs. 2,411,222; Nov. 19.
- Sign, Preparing. A. J. Laws. 2,394,701; Feb. 12.
- Sign, See—
- Colored gas signal. Traffic signal.
- Light signal. Vehicle signal.
- Motor driven signal. Warning signal.
- Portable traffic signal.
- Signal. R. M. N. Partridge. 2,399,057; Apr. 23.
- Signal amplifier. R. F. Hays, Jr. 2,399,675; May 7.
- Signal and illuminating system for airways, Radio controlled. A. A. Corcangas. 2,407,949; Sept. 17.
- Signal and power frequencies, System of mixing. G. Ogurkowski. 2,398,390; Apr. 18.
- Signal apparatus. D. E. Watts and P. C. Gardiner. 2,400,796; May 21.

- Signal apparatus, Engine. M. E. Chandler. 2,407,134; Sept. 3.
- Signal bias correction, Automatic. G. L. Erickson. 2,401,343; June 4.
- Signal correction circuit. A. V. Bedford and K. H. Wendt. 2,405,280; Aug. 6.
- Signal detector, Submarine. R. Black, Jr., and F. F. Romanow. 2,410,806; Nov. 12.
- Signal device. J. D. Keenly. 2,409,046; Oct. 8.
- Signal device. J. J. Moynihan. 2,412,094; Dec. 3.
- Signal device. J. M. Tracy and H. G. Veeder. 2,409,166; Oct. 8.
- Signal device, Electric. S. M. Kenerson. 2,406,545; Aug. 27.
- Signal device, Railway. E. L. Kiser. 2,411,095; Nov. 12.
- Signal device, Submarine. W. K. Liarry. 2,405,209; Aug. 6.
- Signal device, Submarine. W. R. Harry and F. F. Romanow. 2,404,799; July 30.
- Signal device, Submarine. A. H. Inglis. 2,405,210; Aug. 6.
- Signal enciphering key tape producing device, Telegraph. B. S. Sveczy. 2,406,046; Aug. 20.
- Signal enciphering mechanism, Telegraph. R. D. Parker. 2,406,032; Aug. 20.
- Signal enciphering system, Telegraph. W. Y. Lang and E. F. Watson. 2,406,020; Aug. 20.
- Signal enciphering system, Teletypewriter. G. A. Locke. 2,406,023; Aug. 20.
- Signal flash. H. Reynolds. 2,409,957; Oct. 22.
- Signal for telephones, Automatic switch-over. F. A. Leibe and W. A. Miner, Jr. 2,395,887; Mar. 5.
- Signal-generating system. A. V. Loughren. 2,396,865; Mar. 19.
- Signal generator. R. C. Hergenrother. 2,413,181; Dec. 24.
- Signal lamp. F. J. O'Farrell. 2,411,935; Dec. 3.
- Signal means for life saving equipment. H. A. S. van Daalen. 2,410,535; Nov. 5.
- Signal receiver circuit. R. H. George. 2,411,963; Dec. 3.
- Signal recording system. C. J. Young. 2,412,310; Dec. 10.
- Signal service, Selective calling. A. M. Skellett. 2,396,211; Mar. 5.
- Signal source, Tunable underwater. L. G. Bostwick. 2,404,360; July 23.
- Signal-translating system, Color television. J. C. Wilson. 2,413,423; Dec. 31.
- Signal switch. F. J. Reddick. 2,394,481; Feb. 5.
- Signal switch for pneumatic tires, Electric. E. W. Crammer. 2,399,168; Apr. 30.
- Signal system. W. S. Halstead. 2,398,741; Apr. 16.
- Signal system. L. M. Wittlinger. 2,399,715; May 7.
- Signal system, Air brake. A. L. Macan. 2,403,938; July 16.
- Signal system, Submarine. W. P. Mason. 2,405,225; Aug. 6.
- Signal system, Wayside actuable. C. W. Campbell and B. G. Chamberlain. 2,400,740; May 21.
- Signal translating apparatus. R. Snepvangers. 2,397,888; Apr. 2.
- Signal-translating system. D. B. Holsington. 2,410,735; Nov. 5.
- Signal-translating system. B. D. Loughlin. 2,403,385; July 2.
- Signal translator, Telegraph permutation code. F. F. Shipley. 2,408,100; Sept. 24.
- Signal with vibration lock, Drop. F. A. Stearn. 2,408,106; Sept. 24.
- Signalling apparatus. L. E. Barton and H. R. Dyson. 2,400,063; May 14.
- Signalling apparatus. W. W. Dewhurst. 2,397,844; Apr. 2.
- Signalling apparatus. B. J. Kucera. 2,399,682; May 7.
- Signalling apparatus. J. S. Leigh and A. Murdoch, Jr. 2,401,945; June 11.
- Signalling apparatus. Counting relay. L. V. Lewis. 2,413,110; Dec. 24.
- Signalling apparatus, Railway. A. L. Jerome. 2,409,044; Oct. 8.
- Signalling apparatus, Sound. I. C. Clement. 2,411,146; Nov. 19.
- Signalling apparatus, Submarine. R. E. Bates. 2,400,870; May 28.
- Signalling apparatus, Submarine. E. B. Dallin. 2,407,256; Sept. 10.
- Signalling by submodulation. S. D. Ellenberger. 2,410,275; Oct. 29.
- Signalling device. E. O. Blanchette. 2,401,901; June 11.
- Signalling device. R. F. Mallina. 2,393,790; Jan. 29.
- Signalling device, Audible. E. W. Gent. 2,412,610; Dec. 17.
- Signalling device, Submarine. B. M. Harrison. 2,407,661; Sept. 17.
- Signalling method, Electrical. G. Guanelia. 2,411,206; Nov. 19.
- Signalling, Secret. A. V. Bedford. 2,401,403; June 4.
- Signalling, Secret. P. G. Euhendorf. 2,406,349; Aug. 27.
- Signalling, Secret. O. Myers. 2,406,353; Aug. 27.
- Signalling, Submarine. B. M. Harrison. 2,406,833; Sept. 3.
- Signalling, Submarine. B. M. Harrison. 2,407,270; Sept. 10.
- Signalling, Submarine. B. M. Harrison. 2,410,066-7; Oct. 29.
- Signalling, Submarine. E. E. Turner, Jr. 2,398,815-6; Oct. 29.
- Signalling system. L. J. Bowne. 2,391,941; Jan. 1.
- Signalling system. R. C. Cheek. 2,393,021; Jan. 15.
- Signalling system. R. A. Clark, Jr. 2,401,149; Oct. 29.
- Signalling system. L. F. Crabtree and M. L. Markey. 2,395,168; Feb. 19.
- Signalling system. F. C. Evans. 2,410,814; Nov. 12.
- Signalling system. W. S. Halstead and B. C. Lord. 2,405,501; Aug. 6.
- Signalling system. J. H. Hammond, Jr. 2,413,348; Dec. 31.
- Signalling system. P. F. G. Holst and L. R. Kirkwood. 2,409,208; Oct. 15.
- Signalling system. H. D. MacPherson. 2,396,798; Mar. 19.
- Signalling system. M. W. Muehter. 2,398,594; Apr. 16.
- Signalling system. F. D. Nitterauer. 2,397,881; Apr. 2.
- Signalling system. E. R. Shenk and J. E. Smith. 2,409,989; Oct. 22.
- Signalling system. H. Shore. 2,408,692; Oct. 1.
- Signalling system. E. E. Turner, Jr. 2,411,910; Dec. 3.
- Signalling system. G. L. Usselman. 2,392,625; Jan. 8.
- Signalling system. W. Van B. Roberts. 2,396,288; Mar. 12.
- Signalling system. I. Wolff and W. D. Hersherberger. 2,401,717; June 4.
- Signalling system, Carrier wave. W. A. Phelps. 2,406,034; Aug. 20.
- Signalling system, Coded track circuit. T. J. Judge. 2,403,085; July 2.
- Signalling system, Coded track circuit. N. D. Preston. 2,401,290; May 28.
- Signalling system, Coded track circuit. N. D. Preston. 2,403,120; July 2.
- Signalling system, Electrical. R. R. Birss. 2,400,908-9; Mar. 28.
- Signalling system, Electrical. G. Deakin. 2,406,001; Aug. 20.
- Signalling system, Electrical. P. N. Roseby and J. F. Mackenzie. 2,402,258; June 18.
- Signalling system, Electrical. R. Taylor and G. T. Baker. 2,407,910; Sept. 17.
- Signalling system for railroads. T. J. Judge. 2,410,504; Nov. 5.
- Signalling system for railways and the like, Track circuit. J. P. Coley. 2,400,811; May 21.
- Signalling system, Method and apparatus, secrecy. R. M. Sprague. 2,395,431-2; Feb. 26.
- Signalling system, Privacy. E. S. Purington. 2,400,950; May 28.
- Signalling system, Pulse. J. Evans. 2,411,130; Nov. 12.
- Signalling system, Pulse. B. Trevor. 2,401,619; June 4.
- Signalling system, Secret. C. E. Atkins. 2,404,354-6; July 23.
- Signalling system, Secret. E. Cook. 2,399,469; Apr. 30.
- Signalling system, Secret. W. B. Martin. 2,401,494; June 4.
- Signalling system, Selective. R. F. Davis. 2,408,299; Sept. 24.
- Signalling system, Submarine. W. D. Goodale, Jr. 2,411,537; Nov. 26.
- Signalling system, Supervisory. D. W. Blosser and F. C. Evans. 2,400,069; May 14.
- Signalling system, Traffic. A. P. Manewich. 2,407,432; Sept. 10.
- Signalling system, Well. D. Silverman and T. Gilmartin. 2,411,696; Nov. 26.
- Signals, Amplifying high-frequency. S. Ramo. 2,406,635; Nov. 12.
- Signals, Method and apparatus for receiving radio. W. J. O'Brien. 2,407,323; Sept. 10.
- Signature gathering machine. P. E. Kleinberg. 2,413,358; Dec. 31.
- Silencer, Exhaust. P. E. Rosales. 2,402,087; June 11.
- Silencer for drains. H. J. Smith. 2,405,241; Aug. 6.
- Silencer for internal-combustion engines. D. C. Varma. 2,392,559; Jan. 8.
- Silencer, Resonator. E. E. Wilson. 2,403,699; July 9.
- Silencer unit. H. L. Magill. 2,397,556; Apr. 2.
- Silica from water, Removal of. P. C. Goetz. 2,401,924; June 11.
- Silica modified cement. J. W. Sharp. 2,310,954; Nov. 12.
- Silica, Preparing porous. H. B. Weiser and W. O. Milligan. 2,395,524; Feb. 26.
- Silica acid, Producing and producing same. J. W. Robinson, Jr. 2,392,767; Jan. 8.
- Silicious bodies, Forming. G. J. Bair. 2,392,568; Jan. 8.
- Silicon compounds, Production of organic. P. J. Garner. 2,396,692; Mar. 19.
- Silicon dioxide, Preparation of finely-divided. F. L. McNabb. 2,399,687; May 7.
- Silicon materials, Preparation of. J. H. Scaff. 2,402,582; June 25.
- Silicon tetrachloride and titanium tetrachloride, Production of. P. S. Brullier. 2,401,544; June 4.
- Silico-organic derivatives and making the same. J. B. Rust and C. A. Mackenzie. 2,413,582; Dec. 31.
- Sill brace and draft gear stop, Combined. E. D. Campbell. 2,401,137; May 28.
- Silo. Z. W. Craine. 2,410,338; Oct. 29.

- Silverware from tarnishing, Preventing. J. B. Rust. 2,400,786; May 21.
- Silverware, Preventing the tarnishing of. J. B. Rust. 2,400,785; May 21.
- Silverware, Tarnish prevention of. J. B. Rust. 2,400,784; May 21.
- Sine bar. A. Silvermaster, 2,398,121; Apr. 9.
- Single channel secrecy device. J. A. Spencer. 2,397,058; Mar. 19.
- Single purpose machine. R. M. Heintz, J. F. Steigerwald, and L. D. Cahill. 2,397,351; Mar. 26.
- Sinker, Fishing line. F. E. Seveigny. 2,399,298; Apr. 30.
- Sinker head. S. Gagas. 2,405,351; Aug. 6.
- Sintering apparatus. J. Gelbman. 2,403,433; July 9.
- Siphon cleaner. C. Reynolds. 2,397,156; Mar. 26.
- Siphon mechanism for heated rolls. H. W. Bruker. 2,408,606; Oct. 1.
- Siphon tube. J. C. Nicholson. 2,393,867; Jan. 29.
- Siren for aircraft. W. P. Lear. 2,409,131; Oct. 8.
- Sizer for suspended solids, Hydraulic. G. M. Darby. 2,410,637; Nov. 5.
- Sizing and lubricating bullets, Method and apparatus for. W. G. Stevens, Jr. 2,403,032; July 2.
- Sizing composition and yarn sized therewith. H. R. Dittmar. 2,406,749; Sept. 3.
- Sizing compositions. A. C. Dreshfield. 2,398,699; Apr. 16.
- Sizing compositions. R. T. Mashburn. 2,393,179; Jan. 15.
- Sizing device for grinding machines and the like. R. H. Cramer. 2,392,836; Jan. 15.
- Sizing materials, Electrostatic. H. B. Johnson. 2,398,792; Apr. 23.
- Sizing, Paper. D. K. Pattillo. 2,410,357; Oct. 29.
- Skate. B. H. Celmier. 2,400,535; May 21.
- Skate, Roller. O. G. Rieske. 2,412,290; Dec. 10.
- Sketching device. N. H. Juran. 2,410,447; Nov. 5.
- Ski and snow shoe, Combination. J. W. Arsenault. 2,410,702; Nov. 5.
- Ski-binding. K. Henriksen. 2,396,373; Mar. 12.
- Ski runner. E. Porter. 2,404,402; July 23.
- Ski structure. D. T. Philippart. 2,392,098; Jan. 1.
- Skid brake. N. B. Irving. 2,404,443; July 23.
- Skid floor. M. Watter. 2,392,789; Jan. 8.
- Skin, High-low support. F. Amer. 2,400,523; May 21.
- Skin clamp. M. T. Lawlor. 2,410,664; Nov. 5.
- Skinning machine, Wire. O. H. Hessler. 2,394,174; Feb. 5.
- Skip bar. C. W. Lapha. 2,411,045; Nov. 12.
- Skip stitch tufting machine. W. R. Kille. 2,411,883; Dec. 3.
- Skirt hanger. H. E. Concanon. 2,400,058; May 7.
- Skirt, Hanging. E. W. Loselle. 2,409,700; Oct. 22.
- Skit, Pleated. J. Koret. 2,393,538; Apr. 13.
- Slag cleaning tool. O. E. Nelson. 2,394,760; Feb. 12.
- Slasher sizing composition and yarns sized therewith. V. R. Hardy and W. R. Haeefe. 2,411,322; Nov. 19.
- Slatting system, Film. A. W. Tondreau and E. B. McGreal. 2,402,100; June 11.
- Sleeve construction. I. L. Freedman. 2,394,541; Feb. 12.
- Sleeve construction. I. L. Freedman. 2,402,619; June 25.
- Sleeve for rubbing machines, Flexible. S. A. Crosby. 2,393,592; Jan. 29.
- Sleeve, Garment. W. T. Prevail. 2,407,383; Sept. 10.
- Sleeve valve engine. R. M. Heintz. 2,401,932; June 11.
- Sleeve valve engine. K. L. Hulsing. 2,409,761; Oct. 22.
- Sleeving, Flexible. J. M. Hulsing. 2,393,530; Jan. 22.
- Slicer, Potato. P. B. Witmer. 2,413,160; Dec. 24.
- Slicing apparatus. J. E. Wingate. 2,405,385; Aug. 6.
- Slicing device. J. R. and A. R. Fuchs. 2,407,658; Sept. 17.
- Slicing device. C. F. Senkewitz. 2,401,668; June 4.
- Slicing device, Multiple. H. Singer. 2,396,443; Mar. 12.
- Slicing machine. T. C. Brookhart and D. A. Meeker. 2,412,962; Dec. 24.
- Slicing machine. M. Brustowsky. 2,412,079; Dec. 3.
- Slicing machine. G. R. Wood. 2,408,717; Oct. 1.
- Slicing machine, Food. G. R. Wood. 2,402,519; June 18.
- Slicing machine, having stationary knives and a follower feed. Food. L. X. Garfunkel. 2,407,924; Sept. 17.
- Slicing machine, Meat. G. R. Wood. 2,410,698; Nov. 5.
- Slide. Cross. S. L. Casella. 2,403,581; July 9.
- Slide, Extension table. R. P. Moore. 2,399,283; Apr. 30.
- Slide fastened stringers, Making. G. Sundback. 2,410,135; Oct. 29.
- Slide fastener. V. Cizek. 2,395,370; Feb. 19.
- Slide fastener. J. Polk. 2,392,338; Jan. 8.
- Slide, Folding. E. E. Perry. 2,396,341; Mar. 12.
- Slide loop. G. H. Elwell. 2,403,712; July 9.
- Slide rule indicator. A. H. Krelling. 2,407,338; Sept. 10.
- Slider for separable fasteners. D. Marinsky. 2,405,509; Aug. 6.
- Slider for sliding clamp fasteners. B. Meitner. 2,404,977; July 30.
- Slider mechanism. O. Fregeolle. 2,411,418; Nov. 19.
- Slider unit. Dual. L. H. Morin. 2,392,685; Jan. 8.
- Sliders, Coupled. D. Marinsky. 2,398,947; Apr. 23.
- Sliding car door. F. Ditchfield. 2,410,484; Nov. 5.
- Sliding clamp fastener. L. Parkin. Re. 22,715; Jan. 22.
- Sliding door. O. H. Merz. 2,410,892; Nov. 12.
- Sliding hoisting clamp. V. Thompson. 2,393,430; Jan. 22.
- Sling, Rope. R. F. Joy. 2,410,416; Nov. 5.
- Slip. L. Novy. 2,412,530; Dec. 10.
- Slip, Brassiere. A. Novick. 2,406,849; Sept. 3.
- Slip-casting apparatus, Pottery. W. J. Miller. 2,402,655; June 25.
- Slip cover. L. C. Lenz. 2,392,051; Jan. 1.
- Slip cover. L. C. Lenz. 2,393,543; Jan. 22.
- Slip cover. T. Waranch. 2,411,915; Dec. 3.
- Slip, Lady's. L. S. Milberg. 2,404,451; July 23.
- Slip last. G. Clausen. 2,405,942; Aug. 20.
- Slip mechanism, Automatic. A. L. Segelhorst. 2,410,589; Nov. 5.
- Slip, Nursing. M. A. Blocker. 2,407,220; Sept. 10.
- Slipper. F. J. Shields. 2,410,186; Oct. 29.
- Slipper or shoe, Toe-dancer. B. H. Celmier. 2,400,534; May 21.
- Slipper spring block. G. Keller, Jr. 2,394,695; Feb. 12.
- Slitting and scoring apparatus. H. W. Bruker. 2,393,586; Jan. 29.
- Slitting and scoring machine. H. W. Bruker. 2,396,315; Mar. 12.
- Slitting device. Sheet. J. A. Gale. 2,409,203; Oct. 15.
- Slitting machine. J. A. Aycock. 2,400,527; May 21.
- Slivers Drawing. B. G. H. van der Jagt. 2,392,709; Jan. 8.
- Slivers, Making reinforced. J. R. McGillin and S. H. Lake. 2,411,326; Nov. 19.
- Slivers of artificial fibers, Production of. W. G. Abbott Jr. 2,399,191; Apr. 30.
- Slope-measuring instrument, Lumber grain. E. A. Anderson. 2,413,424; Dec. 31.
- Slot and floating pin assembly for automatic push rods, Hammer. H. H. Engemann. 2,406,817; Sept. 3.
- Slotted throat booster pump. R. R. Curtis. 2,408,918; July 16.
- Slotting machine, Piston ring. H. M. Scarff. 2,404,146; July 16.
- Sludge coking. M. H. Arveson. 2,412,667; Dec. 17.
- Sludge collecting mechanism. J. D. Walker. 2,393,725; Jan. 29.
- Sludge, Processing acid. R. J. Andrews. 2,393,214; Jan. 15.
- Sludge pump. S. Schwarz. 2,396,290; Mar. 12.
- Slug forming and feeding mechanism, Plastic. B. D. Ashbaugh. 2,404,559; July 23.
- Slurry filtration. R. M. Cavanaugh. 2,404,215; July 16.
- Slurrying aluminum chloride for hydrocarbon conversion processes. W. E. Kruse, C. W. Nysewander, and J. A. Bolt. 2,406,778; Sept. 3.
- Slush pump valve. A. S. Volpin. 2,402,718; June 25.
- Slush tube. J. C. Stokes. 2,408,892; Oct. 8.
- Slushing composition. G. W. Duncan. 2,408,971; Oct. 8.
- Small objects, Method and apparatus for grinding. H. F. Fruth. 2,410,491; Nov. 5.
- Smoke-producing composition. J. W. Van Karner. 2,411,070; Nov. 12.
- Smoke-producing mixture. L. Finkelstein and H. B. Ekins. 2,409,201; Oct. 15.
- Smoke screen composition and developing smoke screens therefrom. H. A. Levey. 2,408,429; Oct. 1.
- Smoke screen generator. G. J. Holtham. 2,401,761; June 11.
- Smoker's article. E. W. Eveson. 2,410,487; Nov. 5.
- Smoking implement. G. P. Schmitt. 2,402,680; June 25.
- Smoothing apparatus. D. A. Wallace. 2,393,207; Jan. 15.
- Smoothing iron. R. O. Boyd. 2,397,236; Mar. 26.
- Snap-acting apparatus. L. W. Burch. 2,402,312; June 15.
- Snap-acting thermostatic switch. C. M. Osterheld. 2,408,873; Oct. 8.
- Snap action mechanism. M. J. Caparone. 2,405,014; July 30.
- Snap action mechanism. O. Rasmussen and R. C. Rike. 2,410,680; Nov. 5.
- Snap action switch. W. J. Aitken. 2,413,130; Dec. 24.
- Snap-action switch. T. Obszarny. 2,402,838; June 25.
- Snap fastener. A. R. Mitchell. 2,397,801; Apr. 2.
- Snap gauge. W. C. Wehner and W. V. Giovara. 2,398,983; Apr. 23.
- Snap-in connector block. D. K. Rollow. 2,402,578; June 25.
- Snap link harness clip. H. J. Le Vesconte. 2,397,279; Mar. 26.
- Snap-on clip. E. M. Morehouse. 2,397,680; Apr. 2.
- Snap-on valve. S. W. Glanz and A. H. Tidd. 2,412,330; Dec. 10.
- Snap-out manifold unit. J. G. Kerr. 2,394,553; Feb. 12.
- Snap switch. P. G. Frerer. 2,410,055; Oct. 29.
- Snap switch. R. J. McFall. 2,407,089; Sept. 3.
- Snatch block. J. C. Jaques. 2,411,629; Nov. 26.
- Snow-melting apparatus. L. Richardson. 2,401,106; May 23.
- Snowplow. N. L. James. 2,408,857; Oct. 8.
- Snow removal apparatus. J. E. Becker. 2,403,257; July 2.
- Snubber. R. B. Cottrell. 2,392,725; Jan. 8.
- Snubber. C. A. Edstrom. 2,403,352; July 2.
- Snubber. N. L. Kearney. 2,407,958; Sept. 17.
- Snubber. L. A. Lehrman. 2,399,047; Apr. 23.
- Snubber. D. M. Light. 2,394,882; Feb. 5.
- Snubber. D. M. Light. 2,399,048; Apr. 23.
- Snubber. D. M. Young. 2,396,547; Mar. 12.
- Snubber for hoists. A. Meyer. 2,409,881; Oct. 22.

- Soap composition. H. K. McClain. 2,409,056; Oct. 8.
 Soap composition. B. S. Van Zile. 2,402,473; June 18.
 Soap container. W. H. Socher. 2,408,671; Aug. 27.
 Soap from spent aluminum halide catalyst and a grease from said soap, Preparing an aluminum. A. J. Morway. 2,396,744; Mar. 19.
 Soap from sperm oil, Manufacture of. G. Schmidt and G. Edwards. 2,393,421; Jan. 22.
 Soap-like preparations. A. L. Rawlins. 2,406,902; Sept. 3.
 Soap, Making. B. H. Thurman. 2,403,413; July 2.
 Soap, Making salt water. J. Blades. 2,407,130; Sept. 3.
 Soap, Manufacture of. E. H. Bruen. 2,403,924; Feb. 19.
 Soap, Manufacture of. L. J. Lofdah. 2,411,443; Nov. 19.
 Soap, Manufacture of. L. Sender. 2,411,468-9; Nov. 19.
 Soap, Manufacture of. L. Sender and L. D. Jones. 2,397,161-2; Mar. 26.
 Soap, Manufacture of milled. J. Garvey. 2,412,979; Dec. 24.
 Soap particles, Method and apparatus for producing light alkyl. A. Vang. 2,392,072; Jan. 1.
 Soap process, Continuous. J. K. Gunther. 2,401,756; June 11.
 Soap, Producing an aerated. J. W. Bodman. 2,398,776; Apr. 23.
 Soap products, Method and apparatus for treating. T. Penny. 2,391,919; Jan. 1.
 Soapstone holder. A. A. Plut. 2,405,797; Aug. 13.
 Soap, Treating. J. W. Bodman. 2,392,831; Jan. 15.
 Soap, Treating crude kraft. J. J. Lovas and P. F. Bruins. 2,395,283; Feb. 19.
 Soaps, Making copper. J. E. Taylor. 2,397,767; Apr. 2.
 Soaps, Preparation of. C. H. Hamblet. 2,409,678; Oct. 22.
 Soaps, Water-insoluble. H. Linford and W. J. Baral. 2,411,832; Nov. 26.
 Soap, drier. H. G. Kierbaw. 2,400,203; May 14.
 Socket assembly. D. H. Newey. 2,398,848; Apr. 23.
 Socket, Earphone. S. S. Stevens. 2,408,490; Oct. 1.
 Socket, Earphone. P. S. Veneklasen. 2,408,494; Oct. 1.
 Socket, Earphone. J. Volkman. 2,393,413; July 2.
 Socket for fluorescent lamps. D. Pesin. 2,410,967; Nov. 12.
 Socket for pressure gauges. J. M. Newmark. 2,392,057; Jan. 1.
 Socket, Lamp. H. S. Birby. 2,402,941; July 2.
 Socket, Lamp. L. Burns. 2,401,610; June 4.
 Socket, Lamp. H. J. McCarthy. 2,407,567; Sept. 10.
 Sod cutter. J. G. Mohler. 2,401,653; June 4.
 Soda and sulphate processing of coniferous woods, Separating and recovering constituents of waste liquor from the. J. J. Lovas and P. F. Bruins. 2,395,284; Feb. 19.
 Sodium arsenite, Preparation of. E. H. Karr. 2,396,465; Mar. 12.
 Sodium cyanamide-formaldehyde condensation product, Production of. J. F. Walker. 2,411,397; Nov. 19.
 Sodium dispersion. C. C. Tanner. 2,409,519; Oct. 15.
 Sodium from alumina, Removing. A. H. Riesmeyer. 2,411,807; Nov. 26.
 Sodium sulphides, Manufacture of. A. W. Saddington. 2,409,392; Oct. 15.
 Sofa bed. R. A. Burton. 2,392,309; Jan. 8.
 Softball, Inflated. J. T. Clark. 2,399,324; Apr. 30.
 Soft-edge construction. L. T. Mayer. 2,392,254; Jan. 1.
 Softener, Water. A. R. Forsyth. 2,407,228; Sept. 10.
 Softening agent. E. Korten. 2,410,294; Oct. 29.
 Soil analysis by radiant energy. E. Lipson. 2,394,703; Feb. 12.
 Solar heater. W. J. Harkness. 2,402,326; June 18.
 Solar operated electric switch. J. M. Brady. 2,410,421; Nov. 5.
 Solar still with capillary feed, Inflatable floating. W. H. Miller, Jr. 2,412,466; Dec. 10.
 Solar still with nonfloating window. W. R. P. Delano. 2,413,101; Dec. 24.
 Solder, Silver. F. R. Hensel. 2,396,009; Mar. 5.
 Soldering apparatus. S. G. Johansson and H. C. Slichta. 2,404,730; July 23.
 Soldering apparatus. J. R. Schietinger. 2,397,052; Mar. 19.
 Soldering iron. F. Schmidt. 2,393,480; Jan. 22.
 Soldering machine. G. H. Bierman. 2,405,178; Aug. 6.
 Soldering machine. J. M. McClathie. 2,403,943; July 16.
 Soldering, Method of and apparatus for. T. A. Daniel. 2,409,615; Oct. 22.
 Sole and heel construction, Shoe. J. H. Davis. 2,410,019; Oct. 29.
 Sole and heel, High traction. H. A. Husted. 2,408,214; Sept. 24.
 Sole for shoes, Platform. R. Almy. 2,405,870; Aug. 13.
 Sole for shoes, slippers, or other articles of footwear. G. Codish. 2,408,736; Oct. 8.
 Sole for sport shoes, Rubber. F. Kappeler. 2,394,454; Feb. 5.
 Sole-molding machine. A. C. Eak. 2,397,598; Apr. 2.
 Sole, Platform. F. S. Mees. 2,405,443; Aug. 27.
 Sole, Reinforced. L. W. Rollins. 2,395,582; Feb. 26.
 Soles, Manufacture of wooden. H. F. Loewer. 2,394,704; Feb. 12.
 Solenoid. H. J. Luth. 2,407,712; Sept. 17.
 Solenoid. L. M. Persons. 2,407,963; Sept. 17.
 Solenoid. H. W. Trevaskis. 2,403,315; July 2.
 Solenoid controlled valve. F. J. Rode. 2,408,883; Oct. 8.
 Solid contact material. Production of. J. R. Bates and H. A. Shabaker. 2,412,953; Dec. 24.
 Solid materials of different specific gravity, Separation of. F. Frostler and T. Andrews. 2,398,127; Apr. 9.
 Solid organic polymers, Surface characteristics of. M. F. Bechtold and P. S. Pinkney. 2,404,426; July 23.
 Solid particles with fluids, Contacting finely divided. L. C. Huff. 2,412,152; Dec. 3.
 Solids, Handling fluent. J. F. Snuggs. 2,394,814; Feb. 22.
 Solids, Regeneration of subdivided. C. L. Thomas and J. T. Pinkston, Jr. 2,393,839; Jan. 29.
 Solids with organic liquids, Dissolving organic. F. M. Roddy. 2,396,752; Mar. 19.
 Solids with vapors, Contacting. G. D. Creelman and J. F. Crowther. 2,409,476; Oct. 15.
 Solution for metals, Pickling. E. K. Bolton. 2,402,596; June 25.
 Solution of cellulose acetate, Dry casting. G. W. Brant. 2,412,947; Dec. 24.
 Solutions, Dehydrating caustic. E. T. Ladd. 2,396,664; Mar. 19.
 Solutions, Preparation of. R. C. Houtz. 2,404,717; July 23.
 Solutions, Therapeutic. D. V. Frost. 2,407,412; Sept. 10.
 Solvent by distillation and adsorption, Reclaiming soiled. E. L. Luaces. 2,410,034; Oct. 29.
 Solvent extraction. G. B. Arnold and H. V. Atwell. 2,401,892; Jun. 11.
 Solvent extraction. K. H. Hachmuth. 2,411,785; Nov. 26.
 Soot catcher for furnaces. G. Sayer. 2,396,537; Mar. 12.
 Sorting apparatus. E. W. Larsen. 2,396,378; Mar. 12.
 Sorting device. K. Z. Rostagno. 2,398,329; Apr. 9.
 Sorting machine. E. J. Rabenda and H. J. Kistner. 2,403,550; July 9.
 Sorting machine, Rivet. W. McClain. 2,409,440; Oct. 15.
 Sound-absorbing treatment. C. B. Burnett, W. T. Donahue, and T. R. Randolph. 2,401,906; June 11.
 Sound arresting in the ventilator of soft sound-arresting rooms. M. Tominga. 2,394,342; Feb. 5.
 Sound propagating apparatus. J. H. Hammond, Jr. 2,397,107; Mar. 26.
 Sound receiving system. L. L. Foldy. 2,396,222; Mar. 5.
 Sound recorder and reproducer, Electromagnetic. A. Hazeline. 2,400,305; May 14.
 Sound recording and reproducing machine, Duplex. A. B. Conant. 2,410,569; Nov. 5.
 Sound recording system. E. F. Watson. 2,405,246; Aug. 6.
 Sound reproducing system. H. J. Veritch. 2,397,579; Apr. 2.
 Sound reproduction. W. Koenig, Jr. 2,403,985; July 16.
 Sound vibration, Reception or transmission of. T. J. R. Bright. 2,395,719; Feb. 26.
 Sound translating device. A. F. Horlacher. 2,404,877; July 30.
 Sound-transmission apparatus, Electro-magnetic. R. Goldschmidt. 2,402,392; June 18.
 Sounding device. J. A. Jowett. 2,407,702; Sept. 17.
 Sounding device, Echo. F. Orlich, G. Negel, and H. Hartz. 2,407,175; Sept. 3.
 Soya compositions, Dispensible. C. L. Baker and R. H. Sams. 2,392,302; Jan. 8.
 Soybeans and product, Canning. A. A. Levinson, B. T. Malter, and P. L. Julian. 2,400,123; May 14.
 Space heater. A. P. Livar. 2,409,981; Oct. 22.
 Space heater. D. M. Trilling and G. H. Rich. 2,405,072; July 30.
 Spacer and seal for building construction. G. A. Unverferth. 2,413,268; Dec. 24.
 Spacer bar. W. J. Besler and J. L. Boyen. 2,396,241; Mar. 12.
 Spacer, Reinforcing. R. Tatsch. 2,412,307; Dec. 10.
 Spacing mechanism for key operated printing machines, Variable. W. J. Hausman. 2,411,723; Nov. 26.
 Spares associated with electric apparatus, Filling confined. E. C. Lee. 2,395,886; Mar. 5.
 Spark-gap and insulator, Combined. A. G. Steinmayer. 2,392,342; Jan. 8.
 Spark gap for use more particularly in high-frequency ignition systems for internal-combustion engines. H. Z. Stubbs. 2,397,704; Apr. 2.
 Spark gap tube. R. Salzberg. 2,397,982; Apr. 9.
 Spark plug. D. W. Gregory. 2,393,497; Jan. 22.
 Spark plug. F. I. McCarthy and C. S. Chandler. 2,394,865; Feb. 12.
 Spark plug. H. Rabezzana. 2,409,795; Oct. 22.
 Spark plug. J. Soliveras, Jr. 2,399,299; Apr. 30.
 Spark plug and mounting therefor. F. J. Orzel. 2,397,367; Mar. 26.
 Spark plug and the manufacture thereof. D. H. Corbin. 2,400,917; Mar. 28.
 Spark plug construction. A. F. Mittermaler. 2,400,364; May 14.
 Spark plug electrode. L. B. Pfeil. 2,392,944; Jan. 15.

- Spark plug leads, Radio shielded. D. Ingalls. 2,402,049; June 11.
- Spark plug setting. J. A. Fink. 2,393,359; Jan. 22.
- Sparkling plug. B. Hopps and C. J. Smithells. 2,408,642; Oct. 1.
- Speaker attachment for radios. A. Ptacek. 2,399,508; Apr. 30.
- Speaking machine. G. Fries. 2,396,563; Mar. 12.
- Spear, Fish. G. O. Potter. 2,404,249; July 16.
- Special tool. S. J. A. Christie. 2,404,274; July 16.
- Specific gravity measuring device. W. H. Howe. 2,394,549; Feb. 12.
- Spectacle and eyeglass receptacle. G. Y. Eaton. 2,408,162; Sept. 24.
- Spectacle construction. R. I. Lopez. 2,392,990; Jan. 15.
- Spectacle temple connection. S. E. Bouchard. 2,412,120; Dec. 3.
- Spectacles. S. J. Blumenthal. 2,393,959; Feb. 5.
- Spectacles and glasses protector. T. J. Sowle. 2,395,078; Feb. 19.
- Spectrometer prism mounting. W. H. Avery. 2,412,940; Dec. 24.
- Spectrometry, Mass. R. C. Olesen. 2,397,560; Apr. 2.
- Spectrometry, Mass. H. W. Washburn. 2,412,236; Dec. 10.
- Spectrometry, Mass. H. W. Washburn. 2,413,668; Dec. 31.
- Spectrometry, Mass. H. W. Washburn and D. D. Taylor. 2,412,237; Dec. 10.
- Spectrophotometer. S. W. Seeley. 2,413,080; Dec. 24.
- Spectrophotometer, Flickering beam. E. I. Stearns, Jr. 2,413,660; Dec. 31.
- Spectrophotometric system. A. P. Kruper. 2,408,023; Sept. 24.
- Speech signals, Method and arrangement for scrambling. G. Guannela. 2,411,683; Nov. 26.
- Speed adjusting mechanism. G. F. Drake. 2,412,605; Dec. 17.
- Speed and acceleration responsive device. R. N. Lesnick. 2,405,605; July 9.
- Speed-change mechanism. C. C. De Pew. 2,402,951; July 2.
- Speed change system. R. S. Taylor. 2,398,814; Apr. 23.
- Speed change unit. J. D. Christian. 2,407,975; Sept. 24.
- Speed control and motor protector, Electric. C. N. Reavis. 2,410,998; Nov. 12.
- Speed-control and synchronizing device. P. R. Price. 2,408,683; Oct. 1.
- Speed control for machine tools. A. A. Scuse. 2,394,209; Feb. 5.
- Speed control mechanism. C. R. Alden. 2,395,707; Feb. 26.
- Speed control system. E. M. Sorensen. 2,408,451; Oct. 1.
- Speed control system for electric motors. E. R. Morton and H. M. Stoller. 2,395,516; Feb. 26.
- Speed control system for electric motors. H. M. Stoller. 2,395,517; Feb. 26.
- Speed control valve. A. L. Armentrout. 2,400,186; May 14.
- Speed device, Variable. G. H. Frangquist. 2,399,177; Apr. 30.
- Speed differential detecting means. C. D. Stewart. 2,395,203; Feb. 19.
- Speed governor switch. P. L. Mardis. 2,412,347; Dec. 10.
- Speed indicator. F. W. Nyquist. 2,399,448; Apr. 30.
- Speed limiting device for hydraulic turbine rotors, Automatic. P. W. Sewer. 2,407,454; Sept. 10.
- Speed reducing unit. R. K. Lee. 2,396,860; Mar. 19.
- Speed regulating device. J. L. Russell. 2,399,574; Apr. 30.
- Speed responsive clutch. A. Y. Dodge. 2,398,885; Apr. 23.
- Spherical liquid fuel burner. J. L. Breese. 2,393,231; Jan. 22.
- Spike, Track. C. H. Sandberg. 2,401,967; June 11.
- Spindle adjustment means. E. S. Wood. 2,413,092; Dec. 24.
- Spindle bearing. J. J. Osplack. 2,408,995; Oct. 8.
- Spindle brake. V. L. Burnham. 2,411,327; Nov. 12.
- Spindle, Collapsible and expandable. H. K. Wolfenden. 2,413,091; Dec. 24.
- Spindle, Lathe. J. C. Galloway. 2,392,037; Jan. 1.
- Spindle, Multiple filing. A. H. Youngstrom. 2,407,732; Sept. 17.
- Spindle lock. M. Falk. 2,400,403; May 14.
- Spindle, Oil circulating. C. M. Neal. 2,410,388; Oct. 29.
- Spinner. C. H. Kuhn. 2,412,519; Dec. 10.
- Spinner assembly. W. H. Hunter. 2,401,247; May 28.
- Spinner, Drill pipe. C. Prather and F. A. Rydberg. 2,400,712; May 21.
- Spinning and twisting machine. H. A. Boyd. 2,410,705; Nov. 5.
- Spinning and twisting ring. G. F. Albrecht. 2,403,255; July 2.
- Spinning apparatus and method. R. M. Hoffman. 2,398,831; Apr. 23.
- Spinning mechanism. R. B. Metzner. 2,398,438; Apr. 16.
- Spinning process. F. B. Cramer. 2,412,969; Dec. 24.
- Spinning tool. A. I. Appleton and C. H. Stahl. 2,410,476; Nov. 5.
- Spinning twisting, and like machines, Twisting spindle for. G. Curtis. 2,402,028; June 11.
- Spirals, Machine for making. W. F. H. Braun. 2,401,720; June 11.
- Splashproof traction motor. E. O. Mueller and R. H. Wagner. 2,404,979; July 30.
- Splice frog for temporarily joining motion-picture film sections. J. Yolo. 2,409,082; Oct. 8.
- Splicer, Core. C. C. Frame. 2,407,070; Sept. 3.
- Spline device for structural units, Interlocking. W. J. Mulligan. 2,400,162; May 14.
- Splices, Mechanism for control of. W. A. Williams. 2,401,836; June 4.
- Sploit. J. C. Butler. 2,397,648; Apr. 2.
- Sploit. J. M. Naragon. 2,400,772; May 21.
- Sploit, Adjustable. G. Richmond. 2,401,107; May 28.
- Sploit, Adjustable nose. J. G. Bonde. 2,398,073; Apr. 9.
- Sploit, Bone. O. Stader. 2,393,851; Jan. 29.
- Sploit, Fracture. R. Anderson. 2,406,987; Sept. 3.
- Sploit, Surgical. W. J. Crawford. 2,409,195; Oct. 15.
- Sploit, Traction. J. Kolarik. 2,413,053; Dec. 24.
- Sploit, Universal. A. B. Auerhaan. 2,394,653; Feb. 12.
- Split induction coil furnace. J. H. Fiedel-Beck. 2,403,969; July 16.
- Split-phase servomotor control. S. Bertram. 2,411,357; Nov. 19.
- Split sealing rings, Method and apparatus for finishing. H. A. Thorndike. 2,401,279; May 28.
- Splitting machine. F. Ashworth. 2,393,730; Jan. 29.
- Spoiler control means for airplanes. O. C. Koppin. 2,410,855; Nov. 12.
- Sponges, Method and machine for making surgical. C. W. Mott. 2,400,250; May 14.
- Sponges, Seaplane. J. D. Pierson. 2,403,754; July 9.
- Spool. R. V. Olson. 2,392,612; Jan. 8.
- Spool, Film. R. C. Roehrl. 2,400,024; May 7.
- Spool for wire-stranding machines. S. Krizsan, Jr. 2,401,163; Jan. 16.
- Spool, Multiple ribbon. D. Schwartz. 2,396,805; Mar. 19.
- Spoon. C. M. Welch. 2,401,534; June 4.
- Spoon, Measuring. L. Frank. 2,396,943; Mar. 19.
- Spot facing tool. L. Belanger. 2,404,027; July 16.
- Spot gauge. H. Bier. 2,412,489; Dec. 10.
- Spot lamp. W. W. Garstang and W. E. Peek. 2,396,998; Mar. 19.
- Spot-weld edge gauge. B. Gross and L. W. Cornwall. 2,408,847; Oct. 8.
- Spot welding. E. T. Ridgway. 2,412,175; Dec. 3.
- Spot welding apparatus. C. W. Sidney. 2,395,977; Mar. 5.
- Spout, Filling. R. and H. Bentley. 2,409,532; Oct. 15.
- Spray compositions. C. D. Dolman. 2,412,720; Dec. 17.
- Spray crystallizing apparatus. C. P. Davis. 2,396,689; Mar. 19.
- Spraying layers, Forming. W. F. Bonner. 2,401,220; May 28.
- Sprayer, Automatic. H. G. Grass. 2,411,964; Dec. 3.
- Sprayer, Portable. R. W. and C. E. Wilkinson. 2,394,415; Feb. 5.
- Spraying apparatus. A. E. Collins. 2,404,217; July 16.
- Spraying apparatus. H. S. Garabedian. 2,398,369; Apr. 16.
- Spraying apparatus. H. Singer. 2,411,343; Nov. 19.
- Spraying apparatus, Metal. W. E. Ballard. 2,411,409; Nov. 19.
- Spraying device. E. J. Chmielowiec. 2,397,455; Mar. 26.
- Spraying device. M. S. Dunkelberger. 2,395,598; Feb. 12.
- Spraying device, Air. J. A. Paasche. 2,401,503; June 4.
- Spraying device for dishwashing apparatus, Fluid. H. F. Lyman. 2,382,540; Jan. 8.
- Spraying device for liquids. E. W. Vose. 2,399,081; Apr. 23.
- Spraying machine. R. L. Griffin. 2,397,482; Apr. 2.
- Spraying machine. R. Jeffords. 2,394,781; Feb. 12.
- Spraying machine. H. J. Paynter. 2,403,994; July 16.
- Spraying Method of and apparatus for. N. C. Christensen. 2,404,273; July 16.
- Spreader and dump box. W. G. Werts. 2,393,849; Jan. 29.
- Spreader box. W. J. Miller. 2,403,820; July 9.
- Spreader, Discharge manure. R. P. Messenger. A. E. W. Johnson and W. F. Schmid. 2,410,953; Nov. 12.
- Spreader, Hair pin. E. Byron. 2,406,060; Aug. 20.
- Spreader having adjustable feed mechanism, Manure. W. F. Schmid. 2,407,104; Sept. 3.
- Spreader, Lipstick. J. F. Skold. 2,398,161; Apr. 9.
- Spreading agent. P. Meyer. 2,397,191; Mar. 26.
- Spreading apparatus. C. W. Groncy. 2,393,502; Jan. 22.
- Spring. See—
Box spring.
Helical spring.
Spring. A. S. Krotz. 2,409,500; Oct. 5.
Spring and friction shock absorber, Combined. S. B. Haseltine. 2,410,160; Oct. 29.
Spring arrangement for railway trucks. A. G. Dean. 2,396,558; Mar. 12.
Spring assembly. H. C. Keyser. 2,410,290; Oct. 19.
Spring assembly machine. C. Tallion. 2,400,319; May 14.
Spring back support. F. D. Fields and T. H. Alfreds. 2,410,871; Nov. 12.
Spring bar. R. H. Konikoff. 2,392,092; Jan. 1.
Spring catch. D. A. Morand. 2,394,395; Feb. 5.
Spring construction. L. C. Fisher. 2,395,402; Feb. 26.

- Spring construction. L. B. Jahn. 2,405,356; Aug. 6.
 Spring construction. A. Mouw. 2,404,883; July 30.
 Spring construction. Upholstered. W. H. Neely. 2,407,933; Sept. 17.
 Spring device. A. Svoboda. 2,395,768; Feb. 26.
 Spring element and construction. A. Krakauer. 2,403,379; July 2.
 Spring for binder knotters. Grain. P. Sutcliffe, Jr. 2,393,836; Jan. 29.
 Spring group. F. E. Bachman. 2,399,535; Apr. 30.
 Spring group. C. A. Edstrom. 2,398,700; Apr. 16.
 Spring group. D. M. Light. 2,398,749-51; Apr. 16.
 Spring hanger. A. B. Donkersley and J. R. Weishamm. 2,397,094; Mar. 26.
 Spring lay wire rope and method of and apparatus for manufacturing the same. C. L. Wright. 2,399,419; Apr. 30.
 Spring loading machine. N. P. Holcomb. 2,396,700; Mar. 19.
 Spring retained closure plug. B. Sarafin. 2,398,043; Apr. 9.
 Spring suspension. C. H. Chapin. 2,413,291; Dec. 31.
 Spring suspension. E. T. Ridgway. 2,411,337; Nov. 19.
 Spring suspension for saddles. S. du Pont. 2,398,211; Apr. 9.
 Spring suspension, Vehicle. A. F. Hickman. 2,399,226; Apr. 30.
 Spring type switch bracket. A. L. Clymer and F. W. Milner. 2,401,294; June 4.
 Springs, Electroplated drift free. F. R. Hensel, E. I. Larsen, and A. M. Suggs. 2,406,683; Aug. 27.
 Springs, Eye plate attachment for coiled. W. F. Liber. 2,400,423; May 14.
 Sprinkler, Automatic lawn. G. Covey. 2,395,253; Feb. 19.
 Sprinkler head. R. E. Carlson. 2,408,196; Sept. 24.
 Sprinkler, Lawn. A. De Mott. 2,410,980; Nov. 12.
 Sprinkler, Lawn. D. Glover. 2,399,112; Apr. 23.
 Sprinkler, Lawn. H. A. Scherer. 2,408,953; July 16.
 Sprocket and jackshaft connection for motor vehicles. H. J. Williams. 2,402,266; June 18.
 Sprocket device. L. A. McNabb. 2,410,121; Oct. 29.
 Sprocket drive, Tractor. J. E. Lill. 2,406,230; Aug. 20.
 Spur gear testing machine. L. D. Martin. 2,394,623; Feb. 12.
 Square and bevel, Combination. L. A. Dahle. 2,406,531; Aug. 27.
 Square, Mechanic's. E. I. King. 2,404,911; July 30.
 Squeegee device. J. J. Berry. 2,399,538; Apr. 30.
 Squeezer, Fruit juice. C. A. Feltman. 2,413,178; Dec. 24.
 Squeezer yoke, Precision. H. S. Sines. Re. 22,743; Apr. 9.
 Stabilization of butadiene. L. F. Hatch, D. E. Adelson, and B. O. Blackburn. 2,402,113; June 11.
 Stabilization of zein solutions. J. R. Caldwell. 2,397,919; Apr. 9.
 Stabilization of zein with ethylene oxide. H. J. Hagemeyer, Jr. 2,401,685; June 4.
 Stabilized composition and method. B. B. McHan. 2,403,010; July 2.
 Stabilized polyvinyl fluoride. F. L. Johnston. 2,406,837; Sept. 3.
 Stabilized 2-chlor-butene-2. C. B. Gardener. 2,407,149; Sept. 3.
 Stabilizer. S. S. Moore. 2,399,284; Apr. 30.
 Stabilizer apparatus. C. R. Hanna. 2,404,172; July 16.
 Stabilizer, Automatic. G. Grimmering. 2,411,156; Nov. 19.
 Stabilizer, Welding arc. W. W. Perrin. 2,406,474; Aug. 27.
 Stabilizing apparatus. L. B. Lynn and C. R. Hanna. 2,411,550; Nov. 26.
 Stabilizing apparatus. J. G. Ritter. 2,395,940; Mar. 5.
 Stabilizing means for tension elements hanging with sag to sustain loading between supports. M. R. Wolfard. 2,413,019; Dec. 24.
 Stabilizing mechanism. E. J. Poitras and J. D. Tear. 2,405,051; July 30.
 Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetraalkyl leads. F. B. Downing and A. L. Linch. 2,407,261; Sept. 10.
 Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetraalkyl leads. A. L. Linch. 2,407,262-3; Sept. 10.
 Stabilizing or deactivating sludges, precipitates, and residues occurring or used in the manufacture of tetraalkyl leads. A. L. Linch. 2,407,307; Sept. 10.
 Stabilizing system, Frequency. M. Ziegler, J. F. Visscher, and L. J. Cavallero. 2,406,125; Aug. 20.
 Stable alumina and impregnated alumina catalysts, Manufacture of. H. B. Weiser, E. A. Smith, and J. S. Mackay. 2,406,420; Aug. 27.
 Stable dispersions of alkyl alkacrylate polymers, Preparation of. J. E. Smith. 2,407,107; Sept. 3.
 Stable pulse generator. D. D. Gries. 2,408,061; Sept. 24.
 Stable rosin esters, Preparing. F. J. Webb. 2,409,173; Oct. 8.
 Stable vertical. H. C. Ford and E. P. Ross. 2,411,087; Nov. 12.
 Stacker. N. O. Dokken. 2,401,142; May 28.
 Stacker and loader, Combined. E. A. Nehring. 2,402,071; June 11.
 Stacker, Buck rake. D. M. Williams. 2,404,154; July 16.
 Stacker, Sheet. D. P. Glush and J. A. Clauss. 2,412,085; Dec. 3.
 Stacking and banding device, Stacking. E. R. Ammon. 2,404,205; July 16.
 Stacking apparatus. W. F. Burke. 2,398,777; Apr. 23.
 Stacking attachment for tractors, Hay. E. Watson. 2,407,593; Sept. 10.
 Stacking box. E. T. Insoll. 2,410,216; Oct. 29.
 Stacking machine. S. P. Mathers. 2,403,942; July 16.
 Stacking mechanism, Carton. H. S. Laboumarde. 2,392,746; Jan. 8.
 Stadimeter. T. O. Brandon. 2,403,965; July 16.
 Staging, Adjustable. O. Aukland. 2,406,786; Sept. 3.
 Stain removing composition. H. E. Wassell. 2,393,865; Jan. 29.
 Stainless clad rolled steel strip, Manufacture of ductile. J. S. Nachman. 2,402,834; June 25.
 Stainless steel, Electropolishing. G. J. Beckwith. 2,411,410; Nov. 19.
 Stainless steel, Making. S. F. Urban. 2,412,661; Dec. 17.
 Stair construction. M. Hurley. 2,406,497; Aug. 27.
 Stairway, Disappearing. W. D. Eakin. 2,393,759; Jan. 29.
 Stairway, Moving. W. F. Eames. 2,408,205; Sept. 24.
 Stake, Trapper's. I. W. Wampler. 2,406,180; Aug. 20.
 Stamp, Self-inking rubber. J. L. Weisenthal. 2,398,509; Apr. 16.
 Stamp, Hoe wheel plate. G. E. Karl. 2,406,500; Aug. 27.
 Stamping machine. F. L. Hetzel and V. E. Carstedt. 2,393,683; Jan. 29.
 Stand. *See—*
 Adjustable drafting stand. Last stand.
 Disk grinding stand. Mill roll stand.
 Engine work stand. Motion display stand.
 Extensible stand. Starter test stand.
 Folding barricade stand. Tire handling stand.
 Folding work stand. Unitary foldable music stand.
 Gluing stand. Work stand.
 Hairpin stand. Work stand.
 Stand and service table, Convertible appliance. W. I. Evans. 2,408,348; Oct. 15.
 Stand for bicycles. F. W. Schwinn. 2,395,148; Feb. 19.
 Stand for bicycles. F. W. Schwinn. 2,396,890; Mar. 19.
 Stand for clocks, Lamp. B. P. Rucker. 2,392,696; Jan. 8.
 Staple. A. O. Simonds. 2,393,715; Jan. 29.
 Staple fiber, Production of. R. A. Smith. 2,407,109; Sept. 3.
 Staple puller. D. C. Goessel. 2,400,988; May 28.
 Stapler. H. Ruskin. 2,399,761; May 7.
 Staples, Driving. D. R. La Place. 2,392,160; Jan. 1.
 Stapling. D. R. La Place. 2,392,159; Jan. 1.
 Stapling apparatus. J. C. Lang. 2,392,327; Jan. 8.
 Stapling machine. H. S. Heller. 2,409,854; Oct. 22.
 Stapling machine. J. C. Lang. 2,408,563; Oct. 1.
 Stapling machine. C. E. Wickens. 2,396,336; Mar. 12.
 Star drill. J. Knott. 2,398,231; Apr. 9.
 Starch and method, Thick pasting. L. O. Gill and J. W. McDonald. 2,407,071; Sept. 3.
 Starch composition, Nongelling. J. W. Evans. 2,400,402; May 14.
 Starch conversion syrup, Making. F. H. Brock and C. E. Smith. 2,410,264; Oct. 29.
 Starch esters, Producing. M. G. Groen. 2,412,213; Dec. 10.
 Starch, Gelatinization of. B. F. Buchanan and R. L. Lloyd. 2,406,835; Aug. 27.
 Starch, Hydrolysis of. W. R. Fetzer. 2,393,095; Jan. 15.
 Starch, Preparing soluble allyl. P. L. Nichols, Jr., P. E. Meiss, and E. Yanovsky. 2,413,463; Dec. 31.
 Starch solubilization. G. P. Vincent. 2,409,085; Oct. 8.
 Starch, Sterilization of. A. J. Bulfer. 2,401,813; June 11.
 Starter and generator drive, Combined. H. W. Gilfillan. 2,402,547; June 25.
 Starter, Automatic. E. L. Luaces and M. A. Crosby. 2,402,564; June 25.
 Starter, Automatic electric. J. S. Kaufman. 2,399,230; Apr. 30.
 Starter drive, Engine. M. P. Whitney, J. E. Buxton, and D. L. Miller. 2,407,048; Sept. 3.
 Starter, Fluorescent switch. L. A. Harrawood. 2,408,165; Sept. 24.
 Starter for internal-combustion engines. J. E. Buxton. 2,396,986; Mar. 19.
 Starter for welding machines, Magnetic arc. J. M. Tyrner. 2,399,771; May 7.
 Starter test stand. P. F. Scofield. 2,405,060; July 30.
 Starting and ignition system for internal-combustion engines, Electrical. R. E. Slayton. 2,398,259; Apr. 9.
 Starting apparatus, Engine. H. A. Thornburg. 2,400,789; May 21.
 Starting device. T. A. Daly. 2,403,056; July 2.
 Starting mechanism, Engine. H. D. Hoekstra. 2,413,045; Dec. 24.
 Starting switch. W. C. Ballard, Jr., E. Coron and W. Cepek. 2,400,624; May 21.
 Starting switch. F. P. Gasser. 2,412,883; Dec. 17.

- Stationary concave screen. W. F. MacGregor. 2,409,292 Oct. 15.
- Stationary flash calcining furnace. H. V. Pedersen. 2,412,286; Dec. 10.
- Statistical machine, Record controlled. A. Thomas and A. W. Excell. 2,401,671; June 4.
- Stator for electric machines. V. A. Hoover. 2,408,854; Oct. 8.
- Stator, Turbine. V. H. Pavlecka. 2,405,164; Aug. 6.
- Stave and making same, Bearing. T. L. Gatke. 2,409,267; Oct. 15.
- Staybolt. F. P. Huston, L. A. Burrows, and W. E. Lawson. 2,412,887; Dec. 17.
- Staybolts, Manufacture of hollow. G. R. Greenslade and F. K. Landgraf. 2,406,539; Aug. 27.
- Stay for corsets. I. Panes. 2,405,900; Aug. 13.
- Steam-actuated valves, Cushioning. L. B. Jones. 2,408,980; Oct. 8.
- Steam boiler. W. E. Tiemeier. 2,393,205; Jan. 15.
- Steam boiler. V. Tribuson. 2,401,988; June 11.
- Steam engine. E. S. Hall. 2,406,291; Aug. 20.
- Steam engine. C. C. Williams. 2,402,699; June 25.
- Steam generating apparatus. M. H. Kuhner. 2,392,325; Jan. 8.
- Steam generating system. J. P. Badenhausen. 2,395,951; Mar. 5.
- Steam generator. J. P. Badenhausen. 2,412,115; Dec. 3.
- Steam generator. J. P. Badenhausen. 2,412,856; Dec. 17.
- Steam generator. E. G. Bailey. 2,397,523; Apr. 2.
- Steam generator. C. C. Chandler. 2,402,803; June 25.
- Steam generator. F. Falla. 2,402,993; July 2.
- Steam generator. K. F. Nordlund. 2,403,017; July 2.
- Steam generator. N. G. Quarfordt. 2,395,580; Feb. 26.
- Steam generator furnace. J. P. Badenhausen. 2,391,860; Jan. 1.
- Steam iron. R. I. Felver. 2,411,199; Nov. 19.
- Steam joint. L. Hornbostel. 2,402,224; June 18.
- Steaming and pressing iron. L. V. Lucia and E. H. Jassett. 2,411,738; Nov. 26.
- Steel. Alloy. J. W. Bailey. 2,402,135; June 18.
- Steel. Alloy. W. H. Hatfield. 2,402,814; June 25.
- Steel. Alloy. L. G. Selmi and C. L. Altenburger. 2,395,686-8; Feb. 26.
- Steel and coating same, Stainless. I. C. Clingan. 2,394,899; Feb. 12.
- Steel and other sheet metals welder's hoist. J. W. Seamans. 2,394,265; Feb. 5.
- Steel article. G. Becker, K. Davies, and F. Steinberg. 2,399,848; May 7.
- Steel articles, Alloy. H. S. Schaufus. 2,400,842; May 21.
- Steel, Cold die working scaled stainless. J. M. Fenner, R. E. Griffiths, and A. W. Harris. 2,393,675; Jan. 29.
- Steel components and manufacturing same, Welded. J. J. Ryan. 2,397,206; Mar. 26.
- Steel for high temperature service. E. C. Wright. 2,401,851; June 11.
- Steel guide, Drill. E. A. Rice. 2,394,806; Feb. 12.
- Steel hardened with titanium, Shock-resistant silicon. L. M. Brown. 2,409,016; Oct. 8.
- Steel Hawaiian electric guitar. J. W. McDaniel. 2,392,937; Jan. 15.
- Steel, Nitriding. A. F. Holden. 2,395,329; Feb. 19.
- Steel product and making same, Carbon-molybdenum. H. J. Kerr. 2,396,704; Mar. 19.
- Steel, Production of non-aging. J. D. Gat and S. C. Snyder. 2,408,946; Aug. 20.
- Steel rack. G. A. Nielsen. 2,398,153; Apr. 9.
- Steel, Roughening. C. A. Escoffery. 2,411,532; Nov. 26.
- Steel scrap, Reclamation of tool. J. Wulff. 2,394,578; Feb. 12.
- Steel sheet and product obtained thereby, Inhibiting the rusting of. C. B. Durgin. 2,398,212; Apr. 9.
- Steel sheets, Flattening silicon. C. E. Gifford, V. W. Carpenter, and L. L. Cook. 2,412,041; Dec. 3.
- Steel sheets, Making manganese. J. A. Eckel. 2,401,818; June 11.
- Steel, Treating boron containing. R. A. Grange. 2,400,302; May 14.
- Steel, Treating inherently precipitation-hardenable chromium-nickel stainless. R. H. Aborn. 2,395,608; Feb. 26.
- Steel, Treatment of manganese. C. W. Weesner and W. B. Löffingwell. 2,411,822; Oct. 29.
- Steel tubes, Bright polishing stainless. I. Whitehouse and V. S. Chambers. 2,412,186; Dec. 3.
- Steel with different temper, Producing inherently aging chromium nickel stainless. E. H. Wyche and R. Smith. 2,397,997; Apr. 9.
- Steels and articles of manufacture produced therefrom, Beryllium alloy. E. G. Touceda and R. P. De Vries. 2,393,488; Jan. 22.
- Steels, Bearing. F. R. Bonte. 2,413,602; Dec. 31.
- Steels containing chromium, Deep drawing. W. Crafts and C. G. Chadwick. 2,397,244; Mar. 26.
- Steels, Pickling. J. J. Healy, Jr., M. H. Taylor, and F. A. Bacciabati. 2,408,424; Oct. 1.
- Steering apparatus. M. Goodman. 2,394,854; Feb. 12.
- Steering apparatus. L. Hammond. 2,408,929; Oct. 8.
- Steering apparatus, Power. F. W. Davis. 2,410,049; Oct. 29.
- Steering brake. H. A. Knox. 2,395,882; Mar. 5.
- Steering control. A. D. Trenor. 2,396,478; Mar. 12.
- Steering device. A. V. Bedford. 2,404,942; July 30.
- Steering device, Amphibian. G. A. Reynolds, Jr. 2,408,955; Oct. 8.
- Steering device, Booster. G. E. Arrington. 2,403,325; July 2.
- Steering device for aircraft or other vessels. W. G. Wilson. 2,412,486; Dec. 10.
- Steering device for vehicle combinations, Power. R. G. Le Tourneau. 2,399,278; Apr. 30.
- Steering differential. R. L. Akers. 2,400,728; May 21.
- Steering mechanism. W. T. Stephens. 2,411,119; Nov. 12.
- Steering mechanism, Amphibian. J. M. Hait. 2,404,491; July 23.
- Steering mechanism, Amphibian. D. R. Rankin and G. A. Reynolds, Jr. 2,404,528; July 23.
- Steering mechanism, Electric power. R. G. Le Tourneau. 2,400,868; May 28.
- Steering mechanism, Gyroscopic. C. M. Hayman. 2,403,658; July 9.
- Steering mechanism, Hand and power. A. V. Walker. 2,401,532; June 4.
- Steering wheel. H. F. George. 2,408,388; Oct. 1.
- Stem for boats, Keel and prow. E. N. Klonaris. 2,399,042; Apr. 23.
- Stemming and shredding apparatus. R. E. Rundell. 2,398,450; Apr. 16.
- Stencil, Electrolytic. A. R. Lindsay. 2,405,508; Aug. 6.
- Stencil, Standblast. J. A. Wartha. 2,410,472; Nov. 5.
- Stencil set. H. T. C. Rosenlund. 2,402,346; June 18.
- Stencilling. J. T. Penton. 2,408,578; Oct. 1.
- Stencils, Making, Screen. J. B. Brennan and E. L. Marsh. 2,395,448; Feb. 26.
- Stenographic machine. C. W. Johnson, J. G. Sterling, and M. H. and R. T. Wright. 2,393,781; Jan. 29.
- Stenographic machine. M. H. Wright. 2,392,078; Jan. 1.
- Step, Adjustable stilt. C. B. Higgins. 2,410,582; Nov. 5.
- Step-by-step follow-up and antithumb mechanism. G. S. Stepladder. 2,409,300; Oct. 15.
- Stepladder. F. M. Spayd. 2,396,028; Mar. 5.
- Step, Vehicle. A. B. Carmichael. 2,409,418; Oct. 15.
- Stereo system. F. E. Tuttle. 2,396,902; Mar. 19.
- Stereoscope. C. P. Hulst. 2,396,510; Mar. 12.
- Stereoscopic apparatus in relation to cinematograph reproduction and television. A. P. Franklin. 2,410,725; Nov. 5.
- Stereoscopic presentation of pictures. F. W. M. Matthews. 2,401,173; May 28.
- Sterilizer. J. C. Cleaver and J. V. Resek. 2,398,770; Apr. 23.
- Sterilizer, Shoe. M. F. Fortney. 2,413,494; Dec. 31.
- Sterilizing materials and making the same. I. and W. Kreidl. 2,396,514; Mar. 12.
- Sterilizing method and system. A. J. Salle. 2,397,292; Mar. 26.
- Sterilizing products and making them. I. and W. Kreidl. 2,396,515; Mar. 12.
- Steroid derivatives. H. R. Rosenberg and D. H. Terry. 2,393,067; Jan. 15.
- Steroidal compounds, and obtaining the same. R. B. Wagner. 2,408,827-31; Oct. 8.
- Steroidal compounds and obtaining the same. R. B. Wagner. 2,408,833-35; Oct. 8.
- Sterol and the like from tall oil, Obtaining. J. D. Jenkins. 2,394,615; Feb. 12.
- Sterol derivatives and their production. S. G. Turnbull, Jr. 2,393,075; Jan. 15.
- Sterol derivatives, Producing. W. C. Menly, H. R. Rosenberg, and D. H. Terry. 2,395,232; Feb. 19.
- Sterols from yeast and other cellular material, Recovering. K. J. Goering. 2,395,115; Feb. 19.
- Stick, Picker. H. Carlsson. 2,407,398; Sept. 10.
- Stick woven fabric and method, Directionally. R. C. Whitman. 2,409,089; Oct. 8.
- Stiffening composition, Felt hat body. A. E. Hodshon and H. H. Tucker. 2,413,229; Dec. 24.
- Stilbene derivatives, Preparing. O. Schwarzkopf. 2,410,493; July 5.
- Stilbene triazole azo compounds, Metallizable. E. Keller. 2,394,998; Feb. 19.
- Still. P. C. Morse. 2,398,842; Apr. 23.
- Still, High vacuum fractionating. H. J. Wollner, J. R. Matchett, and J. Levine. 2,406,421; Aug. 27.
- Stimulants and making them, Plant. G. B. Barnhill. 2,392,518; Jan. 8.
- Stimulator. J. C. Hinsey and W. A. Geohagan. 2,410,499; Nov. 5.
- Stinger. L. D. Giantlaw. 2,412,063; Dec. 3.
- Stirring device. H. A. Verbrugge. 2,398,975; Mar. 19.
- Stitch formation. J. H. Pikul. 2,409,149; Oct. 8.
- Stitches, Transferring. J. Sirmay. 2,397,456; Mar. 26.
- Stitching machine. W. R. Spiller and L. D. Barley. 2,398,053; Apr. 9.
- Stitching machine. W. R. Spiller and R. J. Niederhauser. 2,405,800; Aug. 13.
- Stitching machine, Automatic tire. C. S. McChesney. 2,404,449; July 23.
- Stitching machine, Slip. C. W. Johnson and J. A. Neumair. 2,409,045; Oct. 8.
- Stitching machine, Zigzag. A. Fredericks. 2,396,169; Mar. 5.

- Stock, Controlling advancement of. W. B. Ewing. 2,405,198; Aug. 6.
- Stock feeding mechanism. R. A. Freeman. 2,392,138; Jan. 1.
- Stock supporting table. J. Breslav. 2,408,730; Oct. 8.
- Stocking. A. A. Sanderson. 2,405,331; Aug. 6.
- Stocking protector. B. Cooper. 2,394,844; Oct. 12.
- Stocking, Seamless. G. Norman. 2,408,440; Oct. 1.
- Stoker. C. M. Jespersen. 2,392,480; Jan. 8.
- Stoker. G. A. Kohout. 2,398,431; Apr. 16.
- Stoker. H. F. Lawrence. 2,408,321; Sept. 24.
- Stoker. W. A. Riddell. 2,392,189; Jan. 1.
- Stoker. W. M. Schweickart and F. G. Julian. 2,405,982; Aug. 20.
- Stoker. C. K. Steins. 2,410,529; Nov. 5.
- Stoker apparatus. D. J. Mossheart. 2,400,706; May 21.
- Stoker apparatus. D. J. Mossheart. 2,402,906; June 25.
- Stoker apparatus, Spreader. W. Kessler. 2,404,847-8; July 30.
- Stoker, Automatic. W. M. Fulton. 2,402,810; June 25.
- Stoker, Coal. E. A. Strang. 2,396,899; Mar. 19.
- Stoker control. W. V. Hallinan. 2,393,680; Jan. 29.
- Stoker feed mechanism. C. R. Barr. 2,411,703; Nov. 26.
- Stoker, Furnace. W. P. Biddle, Jr., and H. W. Sanford, Jr. 2,404,211; July 16.
- Stoker, Multiple retort. G. P. Jackson. 2,398,009; Apr. 9.
- Stoker smoking pipe. T. Robertson. 2,402,914; June 25.
- Stoker, Underfeed. E. H. Smith. 2,392,340; Jan. 8.
- Stool or the like, Knockdown. W. C. Panzer. 2,408,337; Sept. 24.
- Stool seat. E. L. Furbish. 2,410,727; Nov. 5.
- Stool, Step. G. Pearle. 2,400,779; May 21.
- Stool, Box and lid. G. E. Schiwell. 2,397,217; Mar. 26.
- Stop-cock. N. Brewer. 2,412,597; Dec. 17.
- Stop control means for stop motions for warping or beaming plants. F. Lambach and W. Siegel. 2,400,556; May 21.
- Stop device. H. L. Trautmann. 2,402,353; June 18.
- Stop for lathe spindle, Adjustable. H. Bailey. 2,398,278; Apr. 9.
- Stop for photographs, Automatic. C. M. Sinnott. 2,405,526; Aug. 6.
- Stop for strand covering machines. H. L. Crum. 2,412,324; Dec. 10.
- Stop means for free piston engines, Strain relieving and dephasing. F. M. Lewis. 2,409,218; Oct. 15.
- Stop means for rotating shafts. V. A. Hoover. 2,397,861; Apr. 2.
- Stop mechanism. O. J. E. Olsson. 2,405,709; Aug. 13.
- Stop motion device. W. A. Ingalls. 2,402,816; June 25.
- Stop motion for knitting machines. A. Crawford. 2,410,718; Nov. 5.
- Stop motion for warping or beaming plants, Electrically operated. F. Lambach and W. Siegel. 2,405,218; Aug. 6.
- Stop, Sea. J. D. Langdon. 2,403,806; July 9.
- Stopper. H. J. Billing and G. A. G. Fazekas. 2,396,035; Mar. 6.
- Stopper for sinks and the like, Overflow. M. A. Nichol. 2,394,094; Feb. 5.
- Stopping mechanism for weft replenishing looms. V. F. Sepavich. 2,410,687; Nov. 5.
- Stops for slide fasteners and apparatus for making the same. Bridge, M. Norkin. 2,397,037; Mar. 19.
- Storage amplifier circuit. K. Schlesinger. 2,403,956; July 16.
- Storage and dispensing device. J. J. Garubo. 2,410,410; Nov. 5.
- Storage and transporting mechanism. Wool. A. M. Stevens. 2,412,844; Dec. 17.
- Storage arrangement. T. E. Foulkes. 2,405,416; Aug. 6.
- Storage battery. W. F. Donkin. 2,409,841; Oct. 22.
- Storage battery container. E. Graf. 2,396,323; Mar. 12.
- Storage tank. H. A. Schmitz, Jr. 2,395,685; Feb. 26.
- Storage tank. H. A. Starnett. 2,408,105; Sept. 24.
- Storage tank and constructing same. W. Neff. 2,413,243; Dec. 24.
- Storing and repeating device, Impulse. G. Deakin and E. S. McLarn. 2,411,526; Nov. 26.
- Storm sash and screen, Convertible combination. H. O. Carroll. 2,405,112; Aug. 6.
- Stove. E. Esson. 2,410,576; Nov. 5.
- Stove, J. J. Hallum, Sr. 2,401,928; June 11.
- Stove. S. B. Rymer. 2,394,811; Feb. 12.
- Stove. W. E. Shoemaker. 2,398,508; Apr. 16.
- Stove. F. K. Westlake and R. E. Rasmuson. 2,394,828; Feb. 12.
- Stove construction. H. M. Reeves. 2,411,464; Nov. 19.
- Stove construction, Cook. C. M. Breed and H. Kirchhofer. 2,395,532; Feb. 26.
- Stove for burning solid fuels and an ash container therefor. E. Esson. 2,408,921; Oct. 8.
- Stove for closed rooms or the like, Heating. D. Cauchauer. 2,397,470; Aug. 2.
- Stove, Heating. F. T. Agricola and H. H. Fleer. 2,400,901; May 28.
- Stove, Heating. W. A. Griswold. 2,394,441; Feb. 5.
- Stove, Hot-blast. A. Bowland. 2,408,728; Oct. 8.
- Stove, Magazine feed. H. W. Sanford and W. P. Biddle, Jr. 2,403,829; July 9.
- Stovepipe. F. R. Jackes and S. Strano. 2,393,168; Jan. 15.
- Stove, Portable. B. W. Tullis. 2,397,766; Apr. 2.
- Stove, Solid fuel heating. P. S. Martin. 2,399,814; May 7.
- Stove structure. J. L. Breese. 2,393,233; Jan. 22.
- Straightening device, Hair. T. H. Jones. 2,400,696; May 21.
- Strain gauge. E. E. Simmons, Jr. 2,393,714; Jan. 29.
- Strain measuring system. B. F. Langer and K. L. Womack. 2,394,079; Feb. 5.
- Strain measuring system. E. P. Wheaton and R. H. Ostergren. 2,393,669; Jan. 29.
- Strain relief means for electrical cords. H. W. Heyman. 2,398,002; Apr. 9.
- Strainer. A. Hock. 2,412,400; Dec. 10.
- Strainer. P. J. Udell. 2,398,978; Apr. 23.
- Strainer. R. R. Whiting. 2,397,176; Mar. 26.
- Strainer and sump, Combined. L. A. Kisch. 2,394,076; Feb. 5.
- Strainer attachment. M. G. Hassel. 2,400,642; May 21.
- Strainer, Faucet. H. B. Lewis and G. M. Larson. 2,395,227; Feb. 19.
- Strainer, Grease. E. W. Davis. 2,404,621; July 23.
- Strainer, Milk. D. O. Brant. 2,410,010; Oct. 29.
- Strainer, Oil. R. C. Feagin. 2,399,994; May 7.
- Strainer or egg poacher. L. Frank. 2,404,130; July 16.
- Strainer provided with a sediment chamber, Section. J. P. Griffin and E. Rawson. 2,412,043; Dec. 3.
- Straining device, Self-cleaning. W. E. Dodge. 2,408,741; Oct. 8.
- Strand forming apparatus. W. C. Ewaldson. 2,409,670; Oct. 22.
- Strand glass fiber. L. P. Biefeld. 2,392,805; Jan. 15.
- Strand handling apparatus and handling strands. E. E. Franz. 2,393,243; Jan. 22.
- Strand material, Coated. L. T. Work and D. L. Mathias. 2,395,157; Feb. 19.
- Strand packaging apparatus. A. E. Winslow. 2,400,324; May 14.
- Stranded cables, Method and apparatus for producing. R. P. Ashbaugh and A. G. Hall. 2,412,196; Dec. 10.
- Stranding machine, Wire. W. E. Somerville. 2,398,865; Apr. 23.
- Strands to form ply constructions, Twisting of. A. P. Lewis. 2,400,697; May 21.
- Strap and power stick for looms, Lug. F. L. Furgal. 2,409,482; Oct. 15.
- Strap, Fracture frame. A. B. Eckl. 2,411,417; Nov. 19.
- Strap, Watch. A. R. Lo Curto. 2,397,797; Apr. 2.
- Strap, Wrist watch. W. Forstner. 2,401,297; June 4.
- Strap, Wrist watch. D. B. Hickman. 2,394,856; Feb. 12.
- Strap, Wrist watch. J. C. Nicnaber. 2,400,594; May 21.
- Straw and milk container combination. M. L. Georgopoulos. 2,395,734; Feb. 26.
- Stretcher. H. B. Johnson. 2,392,850; Jan. 15.
- Stretcher. M. R. Peters. 2,410,181; Oct. 29.
- Stretcher. F. A. Seib. 2,391,925; Jan. 1.
- Stretcher and former, Hat. L. D. Murray and F. M. Gallo. 2,411,746; Nov. 26.
- Stretcher, Body splint. J. M. Liptyay and A. Restivo. 2,400,426; May 14.
- Stretcher, Foldable. E. Koller. 2,394,245; Feb. 5.
- Stretcher, Foldable. G. B. Leather and W. H. Wallbanks. 2,407,085; Sept. 3.
- Stretcher, Folding. C. C. Haggard and J. B. Meehan. 2,409,934; Oct. 22.
- Stretcher for crocheted mats. A. C. Ferguson. 2,413,041; Dec. 24.
- Stretcher or litter and bed, Combined. E. Schmid. 2,396,931; Mar. 19.
- Stretcher, Sock. B. A. Gear. 2,413,305; Dec. 31.
- Stretching cloth. M. Veldenfeld. 2,395,063; Apr. 9.
- Stretching device. R. J. Taylor. 2,400,787; May 21.
- Strike plate or door latch keeper. R. P. Edwards. 2,412,497; Dec. 10.
- Striking device. P. F. Seibold. 2,402,920; June 25.
- Striking line holder. R. J. Pomeroy. 2,398,805; Apr. 23.
- String, Tensioning device for musical instruments. G. Froil. 2,397,289; Mar. 26.
- Stringer scoops, Method and apparatus for removing. L. H. Morin. 2,394,197; Feb. 5.
- Stringers, Slide coupling separable fastener. L. H. Morin. 2,401,313; June 4.
- Stringers, Two way separable coupling fastener. D. Marinsky. 2,395,677; Feb. 26.
- Strip assembling and finishing machine. A. B. Gardella. 2,392,375; Jan. 8.
- Strip, Beading. L. Spraguen. 2,400,470; May 14.
- Strip for inductive devices, Terminal. J. E. Ranges. 2,403,457; July 9.
- Strip for sheet metal welding, Heated backing-up. W. B. Linden. 2,399,646; May 7.
- Strip material, Method and apparatus for handling and treating. E. A. Wilkens. 2,402,860; June 25.
- Strip metal, Reeling device for. F. J. Wood. 2,399,413; Apr. 30.
- Strip metal, Rolling. J. W. Koss. 2,392,323; Jan. 8.
- Strip processing. G. P. Wilson. 2,407,120; Sept. 3.
- Strip serving machine, Electrically controlled. C. E. Beckman and E. B. Dodds. 2,408,363; Oct. 1.

- Stripper, Seed. W. N. Nelson and L. A. Pazandak. 2,412,002; Dec. 3.
- Stripping and stacking apparatus and method. C. H. Domville, Jr., and E. E. Gray. 2,392,032; Jan. 1.
- Stripping apparatus. J. J. Lembitz, S. M. Martin, and J. G. Miller. 2,395,374; Feb. 19.
- Stripping device, Insulated wire. J. J. Greer and A. Luongo. 2,407,233; Sept. 10.
- Stripping flexible strip material. E. L. Slingluff and D. R. Scheu. 2,412,420; Dec. 10.
- Stroboscopic apparatus for phonographs. W. L. Nies. 2,407,996; Sept. 24.
- Stroller, Baby. L. H. Eckhardt. 2,401,342; June 4.
- Strong, machinable, heat-resistant alloy. E. R. Parker. 2,404,247; July 16.
- Strontium aluminate phosphor. H. C. Froelich. 2,392,814; Jan. 15.
- Strontium chromate pigments and preparing the same. J. D. Todd. 2,400,271; May 14.
- Structural connector. A. Crost. 2,405,643; Aug. 13.
- Structural element. A. T. Cape. 2,396,552; Mar. 12.
- Structural material and method and apparatus for making same. Fibrous. J. Goldman. 2,407,548; Sept. 10.
- Structural member. F. Knutz. 2,409,212; Oct. 15.
- Structural member. E. S. Nagin. 2,406,957; Aug. 27.
- Structural member, Tubular. H. E. Somes. 2,405,859; Aug. 13.
- Structural unit. A. W. Franklin. 2,401,472; June 4.
- Structural unit and making structures therewith. S. M. Fairchild. 2,392,844; Jan. 15.
- Structure. W. T. Van Orman. 2,401,990; June 11.
- Structure and making. G. E. Claussen. 2,394,984; Feb. 19.
- Structure and method, Laminated. A. Hershberger. 2,403,077; July 2.
- Structure, Capsule. C. C. Cochran. 2,401,617; June 4.
- Structure for bending sheet metal. Die. F. Crawford. 2,403,778; Aug. 13.
- Structure for cartridge belt links. Feed. P. O. Persson and C. W. Spohr. 2,405,447; Aug. 6.
- Structure for electric lamps and similar devices. Seal. E. Kettlewell. 2,409,360; Oct. 15.
- Structure for flexible tubes, Coupling. A. L. Parker. 2,394,632; Feb. 12.
- Structure for gyratory crusher heads, Support and actuating. H. H. Rumpel. 2,409,391; Oct. 15.
- Structure for incinerators, Chute. J. T. MacLaren. 2,403,941; July 16.
- Structure for internal-combustion free piston engine, Casing. R. P. Ramsey. 2,405,037; Aug. 20.
- Structure for jacks, Base. B. F. Johnson. 2,400,235; May 14.
- Structure for laminated units, Supporting. D. T. Downes. 2,392,130; Jan. 1.
- Structure for loading trailers on flatcars. B. E. Johnston. 2,405,833; Aug. 13.
- Structure for overhead conductors, Excess-voltage protective. R. R. Pittman. 2,394,937; Feb. 12.
- Structure for radio receiving sets. S. S. Cramer. 2,400,193; May 14.
- Structure for roofs, Flashing. E. N. Smith. 2,413,588; Dec. 31.
- Structure for three phase transformers, Magnetic core. C. C. Horstman. 2,411,374; Nov. 19.
- Structure for welding electrodes, Storing and treating. G. M. Beimer. 2,391,940; Jan. 1.
- Structure, Lead in seal. E. H. Nelson and J. Whitmore. 2,400,946; May 28.
- Structure, Mask. J. E. Duggan. 2,401,415; June 4.
- Structure, Metal. J. E. Byrne. 2,399,202; Apr. 30.
- Structure, Retractable lamp. S. Unger. 2,401,390; June 4.
- Structure, Vacuum tube. P. G. Chevigny. 2,402,602; June 25.
- Structure, Wheel. G. A. Lyon. 2,397,360; Mar. 26.
- Structure, Wheel. G. A. Lyon. 2,401,492; June 4.
- Structures, Bonding. F. W. Ahalt. 2,404,157; July 16.
- Strut and the like, Airplane. C. A. Bigelow. 2,399,317; Apr. 30.
- Strut for aircraft shock absorbing. G. W. De Bell. 2,393,318; May 12.
- Strut for tricycle landing gear, Front. R. L. Levy. 2,403,383; July 2.
- Strut mechanism, Hydraulic transfer tube for. T. R. Smith. 2,401,381; June 4.
- Strut, Shock. P. E. Bachman. 2,399,846; May 7.
- Strut, Shock. R. W. Brown. 2,393,493; Jan. 22.
- Stud, Adjustable rotary fastener. C. L. Hall. 2,395,220; Feb. 19.
- Stud driver. L. A. Husband. 2,394,386; Feb. 5.
- Stud, Insulation. T. Nelson. 2,412,744; Dec. 17.
- Stud or protector for boots and shoes. W. H. Lewis. 2,408,663; Oct. 1.
- Stud remover, Broken. R. C. Schrader. 2,408,450; Oct. 1.
- Stud, Stress-free. O. M. Summers. 2,407,586; Sept. 10.
- Stud, Welding. W. E. Palmer. 2,413,370; Dec. 31.
- Studs, Making fastener. M. P. Graham. 2,399,181; Apr. 30.
- Stuffed products, Forming casings for. F. H. Reichel and A. E. Craver. 2,401,773; June 11.
- Stuffing box. R. B. Kinzbach. 2,410,291; Oct. 29.
- Stuffing box. W. A. Neumann. 2,403,875; July 9.
- Stylus device. E. O. Thompson. 2,399,585; Apr. 30.
- Stylus, Recording. R. E. Mathes. 2,404,975; July 30.
- Styrene and butadiene, The production of. G. A. Nesty and W. C. Klingelhofer. 2,400,774; May 21.
- Styrene and its homologues, Purification of. G. R. Bond, Jr. 2,410,042; Oct. 29.
- Styrene and methyl styrene, Refining. F. J. Soday. 2,413,255; Dec. 24.
- Styrene and other monomers used in polymerization processes, Treating. G. Goldinger. 2,412,504; Dec. 10.
- Styrene compounds by pyrolysis, Production of. W. A. King. 2,395,829; Mar. 5.
- Styrene from ethyl benzene by azeotropic distillation, Separation of. T. A. Petry and G. L. Payne. 2,411,106; Nov. 12.
- Styrene from methyl phenyl carbinol, Making. L. C. Shriver. 2,399,395; Apr. 30.
- Styrene-maleic resin composition, Plasticized. H. L. Gerhart. 2,407,413; Sept. 10.
- Styrene, Manufacture of. G. Explof. 2,402,243; June 18.
- Styrene, Multistage purifying. H. M. Weir. 2,413,674; Dec. 31.
- Styrene, Producing. C. R. McCullough and W. H. Gehrke. 2,392,289; Jan. 1.
- Styrene, Production of. W. I. Denton and C. H. Schlesman. 2,392,466; Jan. 8.
- Styrene, Treating. L. Ader. 2,403,962; July 16.
- Styrenes, Production of. T. F. Doumani and R. Deery. 2,402,740; June 25.
- Subaqueous electric cutting. E. Seifried. 2,407,850; Sept. 17.
- Subassembly conduit clip. E. M. Morehouse. 2,396,925; Mar. 19.
- Sublimating apparatus. A. Ogren. 2,397,686; Apr. 2.
- Sublimation apparatus. M. D. Girvin and L. A. Dentone. 2,399,180; Apr. 30.
- Submarine. N. G. Cedillo. 2,398,174; Apr. 9.
- Submarine atmospheres, Purification of. J. D. Morgan and B. Levitt. 2,396,190; Mar. 5.
- Submarine detecting method and apparatus. E. McDermott. 2,412,165; Dec. 3.
- Submarine detection. De W. R. Goddard. 2,402,391; Dec. 17.
- Submarine signaling device. L. G. Bostwick and J. H. King. 2,411,865; Dec. 3.
- Submarine signaling, Method and apparatus for. H. M. Hart. 2,407,662; Sept. 17.
- Submarines, Spotting. J. T. Beechlyn. 2,405,990; Aug. 19.
- Submerged objects, Detection of. J. H. Hammond, Jr. 2,401,929; June 11.
- Submersible motor. C. J. Blom. 2,404,783; July 30.
- Subsoll, Method and apparatus for simultaneous determination of various properties of the. C. B. Alken. 2,398,761; Apr. 23.
- Subsoiler. C. L. Cook. 2,401,139; May 28.
- Substances from tall oil, Preparation of valuable. R. G. Dressler, R. E. Vivian, and T. Hasselstrom. 2,396,646; Mar. 19.
- Substation apparatus, Telephone. L. A. Reed. 2,409,588; Oct. 15.
- Substituted acid amide antifogants. G. E. Fallesen and J. A. Leermakers. 2,394,600; Feb. 12.
- Substituted diphenyl acetate compounds and preparing same. L. C. Cheney and W. G. Bywater. 2,398,410; Apr. 16.
- Substituted 4,4'-diaminodiphenyl sulphones and making same. L. P. Kyrides. 2,399,600; Apr. 30.
- Substituted imidazoles. L. P. Kyrides and F. B. Zienty. 2,399,601; Apr. 30.
- Substitutions, Manufacture of cream. R. D. Mason and C. Justen. 2,407,027; Sept. 3.
- Subsurface formations, Determining permeability of. J. W. Graybeal. 2,409,674; Oct. 22.
- Succinic anhydrides, Production of substituted. M. Kise and R. P. Engle. 2,411,215; Nov. 19.
- Suction apparatus, Medical. J. E. Trafford. 2,400,178; May 14.
- Suction cleaner. L. K. Acheson. 2,392,716; Jan. 8.
- Suction cleaner. L. K. Acheson. 2,406,733; Sept. 3.
- Suction cleaner. L. K. Acheson. 2,409,008; Oct. 8.
- Suction cleaner. G. R. Coss. 2,397,536-7; Apr. 2.
- Suction cleaner. W. H. Kitto. 2,406,602; July 9.
- Suction cleaner. W. H. Kitto. 2,410,293; Oct. 29.
- Suction cleaner. C. A. Lindberg. 2,400,558; May 21.
- Suction cleaner. J. H. Nuffer and L. H. Latta. 2,404,244; July 16.
- Suction cleaner. C. O. Penn. 2,410,302; Oct. 29.
- Suction cleaner. H. H. Sloan. 2,395,430; Feb. 26.
- Suction cleaner. D. G. Smellie. 2,406,915; Sept. 3.
- Suction cleaner. D. G. Smellie. 2,413,957; Dec. 31.
- Suction cleaner. E. R. Swann. 2,409,078; Oct. 8.
- Suction cleaner. C. G. Troxler. 2,405,170; Aug. 6.
- Suction cleaner. C. G. Troxler. 2,409,082; Oct. 8.
- Suction cleaner. H. B. White. 2,400,217; May 14.
- Suction cleaner. H. B. White. 2,401,394; June 4.
- Suction cleaner. H. B. White. 2,411,458; Nov. 19.
- Suction cleaning apparatus. C. H. Taylor. 2,394,271; Feb. 5.
- Suction pad. S. Golding. 2,392,377; Jan. 8.

- Suction pump. W. A. Dunham. 2,402,991; July 2.
Suction roll helper drive. L. Hornbostel and E. D. Beachler. 2,392,150; Jan. 1.
Suede, Dyeing of. F. J. Pepper. 2,405,165; Aug. 6.
Sugar beets and the like, Blooding and thinning of. J. Schwindt and F. A. Trinkle. 2,393,122; Jan. 15.
Sugar cane mill. A. M. Hewlett. 2,406,541; Aug. 27.
Sugar cane wax, Production of. W. F. Goepfert. 2,391,893; Jan. 1.
Sugar derivatives. W. C. Griffin. 2,407,001; Sept. 3.
Sugar dispenser. T. Bailey. 2,393,454; Jan. 22.
Sugar juice, Purification of. G. A. McBride. 2,405,315; Aug. 6.
Sugar, Method and apparatus for detecting. P. W. Alston and E. E. Morse. 2,408,900; Oct. 8.
Sugar solution, Processing of weed. H. Scholler. 2,394,334; Feb. 5.
Sugar solutions, Clarifying. H. B. Gustafson and L. A. Paley. 2,402,960; July 2.
Sugar treatment. H. B. Gustafson. 2,403,177; July 2.
Suit and making. R. C. Martin. 2,392,992; Jan. 15.
Suitcase, Sectional. P. Frandsen. 2,398,299; Apr. 9.
Suit for circulating conditioned air about a person. E. L. Schulz. 2,413,586; Dec. 31.
Suit, Inflatable. R. S. Colley, C. P. Krupp, and D. H. Shook. 2,410,632; Nov. 5.
Suit, Partitioned inflatable. R. S. Colley. 2,404,567; July 23.
Suit with helmet, Pressure-applying aviator's. J. D. Zerkman. 2,404,020; July 16.
Sulfamyl benzotriazoles. C. F. H. Allen and A. Bell. 2,410,619; Nov. 5.
Sulfonamidobenzimidazoles. C. F. H. Allen and A. Bell. 2,410,620; Nov. 5.
Sulfonamide pyrimidines. P. S. Winnek and R. O. Roblin, Jr. 2,410,793; Nov. 5.
Sulfonates and sulfonyl chlorides, Preparation of. H. M. Grubb and E. B. Tucker. 2,412,679; Dec. 17.
Sulfonates, Substantially oil soluble poly alkyl aromatic. J. Faust. 2,409,671; Oct. 22.
Sulfur and metal containing compound. D. T. Rogers and J. G. McNab. 2,409,687; Oct. 22.
Sulfur-dioxide modified tetrafluoro ethylene polymer. J. Harmon and R. M. Joyce, Jr. 2,411,722; Nov. 26.
Sulphamic acid, Manufacture of. J. W. Leonard. 2,409,572; Oct. 15.
Sulphamic acid, Manufacture of. E. J. Tauch. 2,408,492; Oct. 1.
Sulphamide, Preparing. E. F. Degering and G. C. Gross. 2,407,481; Sept. 10.
Sulphanilamide derivatives. C. E. Kwartler and P. Lucas. 2,395,412; Feb. 26.
Sulphanilamide derivatives and preparing same. S. L. Ruskin. 2,407,686; Sept. 17.
Sulphanilysulphanilamide derivatives. M. L. Moore. 2,404,737; July 23.
Sulphate, Turpentine, Refining. R. A. Collins. 2,409,614; Oct. 22.
Sulphathiazole, Purification of. L. H. Dhein. 2,392,125; Jan. 1.
Sulphide impression material. E. J. Molnar. 2,397,144; Mar. 26.
Sulphide ores, Flotation of. C. H. Keller. 2,405,581; Aug. 13.
Sulphide ores, Froth flotation of. A. H. Fischer. 2,412,500; Dec. 10.
Sulphide polymer and making it, Reactive. J. C. Patrick and H. R. Ferguson. 2,402,977; July 2.
Sulphides of alkylated phenols. D. T. Rogers and H. Feldhusen, Jr. 2,398,253; Apr. 9.
Sulphides, Production of organic. F. K. Signaigo. 2,406,410; Aug. 27.
Sulphite waste liquor, Disposal of. R. G. Tyler. 2,392,435; Jan. 8.
Sulphonamide derivatives of melamine and their production. R. O. Roblin, Jr., and P. S. Winnek. 2,407,177; Sept. 3.
Sulphonamide derivatives, Preparation of new. G. C. Butler, E. Lozinski, and A. D. Odell. 2,410,772; Nov. 5.
Sulphonamides, Preparation of substituted. M. Engelmann. 2,394,002; Feb. 12.
Sulphonamides and making the same, Valuable derivatives of. M. Dohrn and P. Diederich. 2,411,495; Nov. 19.
Sulphon chlorides, Preparation of. S. R. Detrick and L. A. Hamilton. 2,392,841; Jan. 15.
Sulphonated organic detergents, Preparing. R. P. McGhie. 2,394,321; Feb. 5.
Sulphonates, Alpha furyl aldehyde. J. T. Thurston. 2,402,510; June 18.
Sulphonates, Alpha furyl amide. J. T. Thurston. 2,402,512; June 18.
Sulphonates, Alpha furyl nitrile. J. T. Thurston. 2,402,513; June 18.
Sulphonates, Alpha furyl nitroethane. J. T. Thurston. 2,402,514; June 18.
Sulphone and preparing same. L. L. Bambas. 2,404,560; July 23.
Sulphonic compounds, Preparation of. N. E. Lemmon, D. W. Bransky and E. F. Langan. 2,403,185; July 2.
Sulphosuccinates and making same, Certain. M. De Groote and B. Keiser. 2,405,737; Aug. 13.
Sulphur alcohols, Dehydration of. T. F. Doumanl. 2,402,878; June 25.
Sulphur and aromatic compounds from oil, Separation of. G. E. Arnold and H. V. Atwell. 2,402,799; June 25.
Sulphur burning of. H. G. James. 2,395,433; Feb. 26.
Sulphur compounds from hydrocarbon oil, Removing weakly acidic. G. W. Ayers and D. M. Barton. 2,405,872; Aug. 13.
Sulphur compounds from hydrocarbon polymers, Removal of. H. Schindler. 2,405,905; Aug. 13.
Sulphur containing compounding agent for rubber, Preparing. F. S. Rostler, H. W. Sternberg, and H. I. du Pont. 2,399,694; May 7.
Sulphure polymer, Obtaining low. M. Frankel and M. S. Agruss. 2,394,678; Feb. 12.
Sulphur dioxide from gas mixtures, Recovery of. E. P. Fleming and T. C. Fitt. 2,399,013; Apr. 23.
Sulphur dioxide, Production of. A. C. Mohr. 2,406,890; Sept. 3.
Sulphur dioxide with dioxolene and separation of latter from hydrocarbon mixtures, Reaction of. G. W. Hooker, L. R. Drake, and S. C. Stowe. 2,395,050; Feb. 19.
Sulphur dyestuffs. N. Steiger. 2,412,922; Dec. 17.
Sulphur from gases, Extraction of. S. L. Nevins, N. F. Albertson, and J. S. Gilliam. 2,403,451; July 9.
Sulphur from molten metallic masses, Removal of. C. G. Eicher, E. E. Franke, and W. F. Sumpter. 2,406,582; Aug. 27.
Sulphur from ores, Dissolving. G. W. Tweeddale. 2,409,408; Oct. 15.
Sulphur in coal, Detection of. W. T. Brown. 2,401,410; June 4.
Sulphur in recovery of nickel, Removal of. R. C. Hills and M. F. Dufour. 2,408,311; Sept. 24.
Sulphuric acid manufacture and apparatus therefor. D. M. Hurt, G. S. Stafford, and E. J. Tauch. 2,402,553; June 25.
Sulphuric acid regeneration. N. Titlestad. 2,406,930; Sept. 3.
Sulphuric ester salts of phenols, Manufacture of. H. Z. Lecher, M. Scalera, and E. M. Hardy. 2,402,647; June 25.
Sump selector valve. J. F. Mellicher and W. Margrave. 2,409,220; Oct. 15.
Sump selector valve. A. L. Parker. 2,409,223; Oct. 15.
Sunshade and other auxiliary spectacles. R. H. Sager. 2,408,273; Sept. 24.
Sunshade, Automobile. A. C. Engelheart. 2,405,348; Aug. 6.
Sunken vessels, Raising. W. L. Newell. 2,412,417; Dec. 10.
Supercharged internal-combustion engine. G. O. Anderson and A. C. Pitt. 2,392,565; Jan. 8.
Supercharged internal-combustion engine. L. Birkigt. 2,397,941; Apr. 9.
Supercharger. L. Dewan. 2,407,630; Sept. 17.
Supercharging arrangement. A. G. Forsyth. 2,395,262; Feb. 19.
Supercharging, Offset inlet port for. G. R. Neumann and E. E. Farrell. 2,393,703; Jan. 29.
Superfuel. R. F. Marschner. 2,407,716; Sept. 17.
Superfuel, Aviation. R. F. Marschner. 2,407,717; Sept. 17.
Superfuel, Aviation. R. F. Marschner and D. R. Carmody. 2,407,718; Sept. 17.
Superheater baffling. E. M. Powell and W. S. Patterson. 2,403,237; July 9.
Superheterodyne receiver. H. J. Benner. 2,412,244; Dec. 10.
Superregenerative receiver. R. C. Emerson. 2,398,214; Apr. 9.
Superregenerative receiver circuit. J. A. Worcester, Jr. 2,410,795; Nov. 5.
Superregenerative receiver quenching circuit. W. E. Bradley. 2,412,710; Dec. 17.
Supertread for tires. K. C. Alward. 2,411,240; Nov. 19.
Supervisory apparatus. P. H. Brace. 2,406,318; Aug. 27.
Supervisory apparatus for telegraph systems. G. G. Light, E. J. Agnew, and G. W. Janson. 2,397,553; Apr. 9.
Supervisory system for communication circuits. W. S. Halstead. 2,398,742; Apr. 16.
Supply apparatus and control systems therefor, Fluid. C. A. Silver. 2,402,187; June 18.
Supply apparatus for burners, Fluid. W. H. De Lancey. 2,413,035; Dec. 24.
Supply for electron microscopes, Power. A. W. Vance. 2,406,974; Sept. 3.
Supply of fuel to internal-combustion engines, Mechanism for. E. Brane. 2,397,835; Apr. 2.
Supply system, Fuel. H. J. D. McCollum. 2,411,581; Nov. 26.
Supply system, Fuel. W. A. Ray. 2,408,954; Oct. 8.
Supply system, Power. G. L. Usselman. 2,413,391; Dec. 31.
Supply T, Adjustable. M. O. Thrush. 2,404,996; July 30.
Supply valve mechanism. R. E. Crane and J. M. Hendrickson. 2,391,949; Jan. 1.
Supplying device, Part. H. D. Lennon. 2,397,610; Apr. 2.

- Support: See—
 Adjustable bedclothes support.
 Adjustable support.
 Airplane tail support.
 Airtaped photographic support.
 Airtaped support.
 Arch support.
 Bearing support.
 Bobbin receptacle support.
 Bracket support.
 Breast support.
 Bus bar support.
 Bust support.
 Cabinet and machine support.
 Canister support.
 Chair seat support.
 Collapsible horse or support.
 Combination work and jig support.
 Crib rail support.
 Decoration support.
 Electric induction apparatus and coil support.
 Support. Y. M. Abernethy, 2,408,719; Oct. 8.
 Support. J. W. Alexander, 2,392,110; Jan. 1.
 Support. K. E. Belau, 2,401,041; May 28.
 Support. H. O. Dushman, 2,405,819; Aug. 13.
 Support. I. E. Mourmoutseff and G. M. Dimnick, 2,398,593; Apr. 16.
 Support. A. L. Sabin, 2,401,193; May 28.
 Support and positioning device, Car coupler. G. G. Gilpin, 2,401,822; June 11.
 Support or seal, Bulkhead conduit. J. H. Reissner, 2,410,999; Nov. 12.
 Support device. J. K. Wood, 2,412,852; Dec. 17.
 Support for abrasive disks. F. De Michel, 2,410,812; Nov. 12.
 Support for artificial teeth, Temporary. S. Myerson, 2,412,352; Dec. 10.
 Support for bifocal lenses, Adjustable. C. D. Jencks, 2,410,584; Nov. 5.
 Support for bulkheads, Adjustable conduit. B. F. Schmidt, 2,404,539; July 23.
 Support for capacitors. E. D. A. Geoghegan, 2,405,139; Aug. 6.
 Support for clutch bands. G. Reuter, 2,406,038; Aug. 20.
 Support for concrete form forms, Adjustable. A. A. A. Nash, 2,398,152; Apr. 9.
 Support for extrusion machines. Core. G. Ritter, 2,392,190; Jan. 1.
 Support for filament assemblies. R. A. Nelson and W. O. Smith, 2,410,993; Nov. 12.
 Support for filling carriers. M. Kazamias and F. Gubala, 2,395,188; Feb. 19.
 Support for fountain syringes, Hanging. J. A. Brooks, 2,404,430; July 23.
 Support for glass washing machines. C. B. Webber, 2,402,859; June 25.
 Support for hairpins and the like, Dispensing and spreading. C. T. Calafore, 2,402,286; June 18.
 Support for heat treating container and closure therefor. H. H. Harris, 2,395,182; Feb. 19.
 Support for machine tools, Work. J. J. Corrigan and F. T. Rinehart, 2,396,941; Mar. 19.
 Support for photographic gelatin layers and transferring same to permanent supports, Temporary. R. S. Potter and R. F. Brown, 2,392,503; Jan. 8.
 Support for reinforced concrete structures, Rod. J. J. Cassidy, 2,409,342; Oct. 15.
 Support for sheep shearing apparatus. R. R. Just, 2,410,217; Oct. 29.
 Support for vibratory mechanism, Yieldable. A. R. Miller, 2,411,383; Nov. 19.
 Support for windings in magnetizing cores. F. J. Sigmund and W. S. Hlavin, 2,405,615; Aug. 13.
 Support means for magnetizable cores, Winding. F. J. Sigmund and W. S. Hlavin, 2,400,891; May 28.
 Support structure, Adjustable. I. Fiori, 2,395,178; Feb. 19.
 Support structure, Striking bag. J. H. Stubr, 2,411,173; Nov. 19.
 Supporter, Baby. M. P. Knecht, 2,404,505; July 23.
 Supporter, Sock or stocking. G. W. Harlan, 2,398,093; Apr. 9.
 Supporting and moving mechanism, Work. L. M. Davis, 2,392,651; Jan. 8.
 Supporting and/or facilitating the erection of posts, stanchions, pipes, and the like. C. J. Rice, 2,392,549; Jan. 8.
 Supporting and position device for car couplers. G. G. Gilpin, 2,401,823; June 11.
 Supporting apparatus. M. C. Gauthier, 2,409,484; Oct. 15.
 Supporting apparatus, Article. A. D. Swensen and R. D. Williams, Jr., 2,411,174; Nov. 19.
 Supporting device and gas generator for use therewith, Wire. L. W. Steiger, 2,392,199; Jan. 1.
 Electrode support.
 Flagstaff support.
 Hamper or bag support.
 Ladder support.
 Machine tool support.
 Manifold support.
 Milker support.
 Nursing bottle support.
 Outlet box support.
 Paper support.
 Photographic support.
 Plastic arch support.
 Resilient axle support.
 Roll V block support.
 Safe screen support.
 Seat support.
 Self-adjusting electrode support.
 Shirt collar support.
 Spring back support.
 Typewriter support.
 Vibration absorption support.
 Vibration preventing syphon work support.
 Supporting device, Clothesline. A. Nagy, 2,403,295; July 2.
 Supporting device, Conduit. J. Banneyer, 2,407,217; Sept. 10.
 Supporting device, Drape hanger and curtain rod. C. Dodge, 2,397,930; Apr. 9.
 Supporting device, Roll. L. Perrault, 2,405,446; Aug. 6.
 Supporting filaments in vacuum tubes, Structure for. D. H. Sloan, 2,405,762; Aug. 13.
 Supporting head for abrasive disks. W. Stever, 2,402,691; June 25.
 Supporting means, Lamp. T. B. Farrington, W. T. Keller, and R. K. Farrington, 2,403,355; July 2.
 Supporting means, Trough. C. P. Boyd, 2,399,197; Apr. 30.
 Supporting structure, Level work. J. F. Hoffer, 2,408,169; Sept. 24.
 Supporting structure, Sliding window screen. E. Gutoski, 2,408,138; Sept. 24.
 Sure grip scythe handle. G. A. Lansden, 2,410,882; Nov. 12.
 Surface-active agent. L. P. Kyrides, 2,402,823; June 25.
 Surface-active agents. D. Aelony, 2,403,038; July 2.
 Surface active agents. M. Lintz, 2,394,083; Feb. 5.
 Surface active agents. E. Zerner and W. Kaplan, 2,413,161; Dec. 24.
 Surface-active compounds, Manufacture of. A. W. Baldwin, N. W. Cusa, and H. Worthington, 2,406,186; Aug. 20.
 Surface coating apparatus. G. L. Dimmick, 2,408,614; Oct. 1.
 Surface condenser. S. Pennella, 2,394,402; Feb. 5.
 Surface discontinuities, Method and compositions for locating. R. A. Ward, 2,405,078; July 30.
 Surface for toy railroad systems and similar amusement devices, Supporting. T. L. Duffy, 2,401,468; June 4.
 Surface grinding machine. J. S. Blood, 2,412,199; Dec. 10.
 Surface in granular beds, Method and apparatus for determining total. R. E. Boehler, 2,392,636; Jan. 8.
 Surface layout gauge. W. B. Champin, 2,412,870; Dec. 17.
 Surface of comminuted material, Method and apparatus for determining. R. E. Boehler, 2,392,637; Jan. 8.
 Surface roughness, Measuring. W. J. Brown, 2,405,133; Aug. 6.
 Surface treating device. A. F. Turner, 2,394,951; Feb. 12.
 Surface treating machine. W. S. Pearson, 2,398,556; Apr. 16.
 Surface useful materials. C. Coolidge, 2,399,208; Apr. 30.
 Surfaces with powder, Coating. C. P. Fagan, 2,407,146; Sept. 5.
 Surfacing machine, Article. R. F. Kneisley, 2,407,557; Sept. 10.
 Surfacing method and apparatus, Glass. G. B. Watkins and C. B. Schafer, 2,408,496; Oct. 1.
 Surge suppressor circuit. O. D. Grandstaff, 2,395,116; Feb. 19.
 Surge valve. H. T. Booth, 2,400,911; May 28.
 Surgical apparatus. O. S. Kirschner, 2,393,694; Jan. 29.
 Surgical apparatus. G. J. Thomas, 2,393,576; Jan. 22.
 Surgical dressings, Medicated. H. Sobotka, 2,408,818; Oct. 8.
 Surgical headrest. S. R. Jones, 2,398,940; Apr. 23.
 Surgical instrument. W. L. Bell, 2,398,915; Apr. 23.
 Surgical instrument. H. Freedman, 2,393,319; Jan. 22.
 Surgical instrument. R. A. Mull, 2,397,033; Mar. 19.
 Surgical operating appliance. L. J. Bishop, 2,400,336; May 14.
 Surgical stitching instrument. J. D. Karle, 2,396,179; Mar. 5.
 Surgical stitching instruments and accessories, Holder for. J. D. Karle, 2,399,040; Apr. 23.
 Surgical string material, Packing. G. Josh, 2,405,216; Aug. 6.
 Surgical suction apparatus. P. P. Goland and C. R. Drew, 2,397,257; Mar. 26.
 Survey instrument, Power. O. A. Knopp, 2,405,656-7; Aug. 13.
 Surveying instrument. Well. W. H. Emerson and D. Hering, 2,412,976; Dec. 24.
 Surveying, Seismic. W. H. Mayne, 2,400,245; May 14.
 Surveying, Seismic. O. S. Petty, 2,410,303; Oct. 29.
 Suspended matter from suspensions, Removing. H. F. Fisher and A. C. Peck, 2,406,820; Sept. 3.
 Suspender. J. La Frenier, 2,408,464; Oct. 1.
 Suspender for artificial legs. C. I. Kickland, 2,408,073; Sept. 24.
 Suspenders. H. L. Jackson, 2,411,161; Nov. 19.
 Suspenders. E. Stempel, 2,409,810; Oct. 22.
 Suspension, Axle. J. Ledwinka, 2,410,402; Nov. 5.
 Suspension for chimes, Balanced. L. A. Maas, 2,400,125; May 14.
 Suspension for compasses and similar instruments. E. W. Esdaile, 2,403,354; July 2.
 Suspension for railroad cars, Spring. A. F. Hickman, 2,394,547-8; Feb. 12.
 Suspension for railroad cars, Spring. A. F. Hickman, 2,410,068; Oct. 29.

- Suspension for use in inoculating plants with ergot. R. W. Lewis. 2,402,902; June 25.
- Suspension for vehicles, Equalizing. G. L. Larison. 2,411,885; Dec. 3.
- Suspension. Spring. F. M. Reid. 2,407,345; Sept. 10.
- Suspension unit for vehicle wheels. S. du Pont. 2,408,254; Sept. 24.
- Suspension unit, Necktie. F. H. Streit. 2,403,834; July 9.
- Suspension, Vehicle. G. L. Larison. 2,401,766; June 11.
- Suture protecting means for surgical stitching instruments. J. D. Karle. 2,396,180; Mar. 5.
- Sutures to shanks of surgeons' needles, Attaching. G. H. J. Baule. 2,411,079; Nov. 12.
- Suturing assembly and method. E. M. Jones and F. W. Stein. 2,413,142; Dec. 24.
- Swaging machine. L. Robbins. 2,408,882; Oct. 8.
- Swatter, Fly. H. L. Briones. 2,410,957; Nov. 12.
- Swatter, Fly. A. Sorkind. 2,394,267; Feb. 5.
- Sweatband, Detachable. W. H. Lehmberg and E. L. Johnson. 2,411,831; Nov. 26.
- Sweat band for eyeglasses, Detachable. R. E. Swanson. 2,392,837; Jan. 29.
- Sweatband for hats. A. Donson. 2,398,363; Apr. 16.
- Sweep circuit. D. W. Fuggles. 2,410,745; Nov. 5.
- Sweep or pulse generator. W. D. Hersherberger. 2,412,682; Dec. 17.
- Swimmers, Aid to. M. Grabovsky. 2,401,239; May 28.
- Swimming and life saving equipment. R. Caselle. 2,392,576; Jan. 8.
- Swing. M. W. Hunt. 2,402,249; June 18.
- Swing. E. H. Hurley. 2,394,913; Feb. 12.
- Swing. E. H. Hurley. 2,413,232; Dec. 24.
- Swing joint. A. G. Shepherd. 2,400,658; May 21.
- Swing, Nursery chair. A. G. Meyers. 2,398,384; Apr. 16.
- Swingable closure fastener. C. E. Leiss. 2,411,098; Nov. 12.
- Swingable road sign. H. J. Steinberger and S. Sanders. 2,409,076; Oct. 8.
- Swinging bracket. R. R. Rundell. 2,409,152; Oct. 8.
- Switch: See—
- Arc furnace regulator switch.
 - Automatic electric switch.
 - Automatic gravity safety switch.
 - Automatic switch.
 - Automotive gas tank cover switch.
 - Balanced pressure switch.
 - Capacity switch.
 - Centrifugal switch.
 - Dead-front safety switch.
 - Disconnecting switch.
 - Double-throw switch.
 - Electric follow-up switch.
 - Electric lighting switch.
 - Electric snap switch.
 - Electric switch.
 - Electric thermal switch.
 - Electrical switch.
 - Electrolysis switch.
 - Electromagnetic switch.
 - Electronic switch.
 - Enclosed switch.
 - Field switch.
 - Foot actuated switch.
 - High load mercury switch.
 - High voltage safety switch.
 - Ignition switch.
 - Inertia safety switch.
 - Intermittent switch.
 - Liquid level switch.
 - Low-voltage high-current switch.
 - Magnetically operated switch.
 - Mercury switch.
 - Multiposition rotary switch.
 - Periodic momentary switch.
 - Pressure actuated electrical switch.
 - Pressure actuated switch.
 - Pressure switch.
 - Push-button switch.
 - Radio frequency switch.
 - Relay switch.
 - Retarded action electric switch.
 - Rotary electric switch.
 - Rotary selector switch.
 - Snap-action switch.
 - Set back and centrifugal switch.
 - Shockproof switch.
 - Signal switch.
 - Snap-action switch.
 - Snap switch.
 - Solar operated electric switch.
 - Speed governor switch.
 - Star switch.
 - Thermostatic switch.
 - Time-delay switch.
 - Transfer switch.
 - Ultra high frequency switch.
 - Unshorting switch.
 - Vehicle switch.
 - Waterproof electric switch.
- Switch. D. Bancroft. 2,396,672; Mar. 19.
- Switch. D. G. Clifford and E. C. Okress. 2,413,171; Dec. 24.
- Switch. W. B. Elmer. 2,403,063; July 2.
- Switch. H. L. Lambert. 2,395,885; Mar. 5.
- Switch. B. G. Miller and R. E. Engberg. 2,407,378; Sept. 10.
- Switch. T. J. Mudon. 2,394,712; Feb. 12.
- Switch. S. Rosenblum. 2,399,061; Apr. 23.
- Switch adjusting mechanism. M. H. Cummings. 2,392,580; Jan. 8.
- Switch and contactor system, High-frequency electrical. F. Fresse. 2,399,010; Apr. 30.
- Switch and electric clock, Combined wall. C. Anderson. 2,392,445; Jan. 8.
- Switch and light for floor lamps, Combination. L. N. Mattson. 2,408,669; Oct. 1.
- Switch and pistol-grip, Waterproof combined electric. A. A. Wittenmann. 2,408,502; Oct. 1.
- Switch apparatus. J. P. Dolan. 2,412,604; Dec. 17.
- Switch apparatus for operating devices on aircraft, and other purposes, Electrical. H. Trevasiks. 2,397,386; Mar. 26.
- Switchboard, Teletypewriter. P. V. Koos. 2,408,074; Sept. 24.
- Switch box ear. A. P. Bell. 2,397,637; Apr. 2.
- Switch boxes and the like and connecting nipple therefor. F. B. Wentworth. 2,393,581; Jan. 23.
- Switch device. L. D. Boyce. 2,396,551; Mar. 12.
- Switch device. F. A. Hester. 2,401,934; June 11.
- Switch device, Electric. N. L. Freeman. 2,400,496; May 21.
- Switch for elevators, Overload safety. F. F. Turner. 2,404,415; July 23.
- Switch for high-frequency circuits. B. Van Ryn. 2,407,460; Sept. 10.
- Switch for inductively coupled electrical oscillations. D. C. Espley. 2,404,832; July 30.
- Switch for ignition systems, Floating breaker. H. L. Hull. 2,403,283; July 2.
- Switch for trolley rails. G. F. Vinsant. 2,407,620; Sept. 10.
- Switchgear apparatus. C. P. West. 2,412,931; Dec. 17.
- Switch mechanism and follow-up system. J. O. Yelda. 2,395,604; Feb. 26.
- Switch mechanism for transmission lines, Band. T. A. Newkirk. 2,391,917; Jan. 1.
- Switch mechanism, Time controlled. R. W. Lovering. 2,403,667; July 9.
- Switch of grounded type, Snap. R. Hetherington. 2,399,867; May 7.
- Switch operating apparatus, Railway. G. L. Temple. 2,401,120; May 28.
- Switch operating mechanism. J. E. Gilman, 3rd. 2,399,482; Apr. 30.
- Switch operating mechanism. G. M. Hausler. 2,404,633; July 23.
- Switch operating mechanism. R. S. Seese. 2,401,801; June 11.
- Switch operating mechanism. L. Yost. 2,394,283; Feb. 5.
- Switch relay, Mercury. E. G. Henry. 2,405,923; Aug. 13.
- Switch structure. F. E. Wood. 2,401,213; May 28.
- Switch system, Limit. J. A. Chilmann. 2,406,196; Aug. 20.
- Switches or electrical timing devices for controlling the operations of laundry or other plants or apparatus, Electric master. S. Newberry. 2,403,392; July 2.
- Switching antenna. Lobe. T. M. Glayas, Jr., and L. J. Wolf. 2,411,034; Nov. 12.
- Switching apparatus. R. E. Jordan. 2,406,693; Aug. 27.
- Switching apparatus. C. C. Whittaker. 2,406,449; Aug. 27.
- Switching device. W. H. Cuttino. 2,406,321; Aug. 27.
- Switching device. A. G. Fox. 2,396,044; Mar. 5.
- Switching device and circuit therefor, Electronic. W. P. Overbeck. 2,404,819; July 30.
- Switching device, Antenna. R. B. Hoffman. 2,402,625; July 25.
- Switching device, Electrical. E. B. King. 2,404,179; July 16.
- Switching means. C. C. Whittaker. 2,408,837; Oct. 8.
- Switching mechanism. P. B. Drake. 2,410,432; Nov. 5.
- Switching mechanism. C. W. Hawthorne and G. P. Malms. 2,396,787; Mar. 19.
- Switching mechanism. F. J. Russell. 2,396,972; Mar. 19.
- Switching mechanism for signal systems. H. C. Harrison. 2,406,350; Aug. 27.
- Switching system. R. E. Hersey. 2,392,089; Jan. 1.
- Switching system. G. J. Maki. 2,393,645; Jan. 29.
- Switching system, Selector. J. I. Bellamy. 2,400,530; May 21.
- Swivel. P. F. D'Aleo. 2,400,291; May 14.
- Swivel. J. S. Morgan, Jr., and D. A. Murphy. Re. 22,825; Dec. 24.
- Swivel coupling. D. M. Phillips. 2,394,715; Feb. 12.
- Swivel joint. D. M. Phillips. 2,399,823; May 7.
- Swivel joint. A. Venditty. 2,394,276; Feb. 5.
- Swivel, Rotary. D. A. Murphy. 2,394,800; Feb. 12.
- Swiveling fluid joint. T. C. Hill. 2,412,810; Dec. 17.
- Synchronizing control, Automatic motor. W. F. Lear. 2,403,095; July 2.
- Synchronizer. R. Lapsley and D. S. Dence. 2,395,189; Feb. 19.
- Synchronizer, Camera and light. I. Jacobson and H. E. Smith. 2,408,691; Aug. 27.
- Synchronizer coupling. O. Palmer. Re. 22,731; Mar. 5.
- Synchronizer, Engine. H. M. McCoy. 2,413,028; Dec. 24.
- Synchronizer, Flashlight and shutter. F. A. G. Pirwitz. 2,404,526; July 23.
- Synchronizer for focal-plane shutters, Flash. F. J. Longbottom. 2,408,864; Oct. 8.
- Synchrone gun. G. W. Pontius, III. 2,411,290; Nov. 19.
- Synchronizer mechanism. O. E. Fishburn. 2,397,344; Mar. 26.
- Synchronizing a plurality of oscillations. M. Ziegler. 2,405,771; Aug. 13.
- Synchronizing apparatus, Flash lamp. C. C. Fuerst. 2,405,741; Aug. 13.
- Synchronizing clutch. C. D. Peterson and E. W. Zingsheim. 2,399,599; Apr. 30.
- Synchronizing clutch construction. C. D. Peterson and R. R. Burkhalter. 2,409,148; Oct. 8.
- Synchronizing control, Gunfire. F. J. W. den Ouden. 2,403,641; July 9.

- Synchronizing device. M. Artzt. 2,399,421; Apr. 30.
Synchronizing device. H. H. Bruderlin. 2,394,361; Feb. 5.
Synchronizing device. H. E. Hallborg, C. N. Gillespie, and G. R. Clark. 2,403,921; July 16.
Synchronizing device. J. H. Letsinger and H. F. Foley. 2,410,511; Nov. 5.
Synchronizing mechanism. K. D. Bull. 2,397,943; Apr. 9.
Synchronizing mechanism. W. G. H. Finch. 2,404,571; July 23.
Synchronizing mechanism. Electromechanical. C. Breitwieser. 2,403,577; July 9.
Synchronizing signal generator. C. E. Hallmark. 2,407,956; Sept. 17.
Synchronizing system. M. Artzt. 2,398,688; Apr. 16.
Synchronizing system. K. R. Wendt. 2,406,977; Sept. 3.
Synchronizing system, Automatic. D. W. Exner. 2,392,469; Jan. 8.
Synchronizing system for synchronous motors, Automatic phase. P. J. Kibler. 2,402,055; June 11.
Synchronous controls. E. C. Wahlberg. 2,400,579; May 21.
Synchronous motor. O. H. Dicke. 2,402,380; June 18.
Synchronous system. J. R. MacIntyre. 2,412,461; Dec. 10.
Synthesis of aromatic compounds. C. L. Thomas. 2,406,645; Aug. 27.
Synthesis of ethers of vitamin A. N. A. Milas. 2,412,465; Dec. 10.
Synthetic compositions and products having molecularly oriented structure. G. F. D'Alcino. 2,412,034; Dec. 3.
Synthetic Di-Tocopherols. Preparation of. P. Karrer and O. Isler. 2,411,968-9; Dec. 3.
Synthetic ivory colored cerein, Process and apparatus for obtaining. A. Grunspan. 2,395,424; Apr. 16.
Synthetic resin and making same. T. R. McElhinney. 2,394,000; Feb. 5.
Synthetic resin coatings, Production of. L. S. Meyer. 2,400,016; May 7.
Synthetic rubber, Compounding and vulcanization of. A. A. Somerville. 2,400,029; May 7.
Synthetic rubber, Vulcanization of. D. V. Sarbach. 2,395,505; Feb. 26.
Synthetic rubber, Vulcanization of. D. E. Sauser. 2,395,506-7; Feb. 26.
Synthetic threads, Method and apparatus for manufacture of. A. L. Jackson and J. K. Whisman. 2,412,403; Dec. 10.
Syringe. M. L. Folkman. 2,413,303; Dec. 31.
Syringe. H. Freedman. 2,399,796; May 7.
Syringe. A. E. Smith. 2,392,196; Jan. 1.
Syringe, Hypodermic. H. S. Austin. 2,409,656; Oct. 22.
Syringe, Hypodermic. M. L. Lockhart. 2,408,323; Sept. 24.
Syringe, Hypodermic. M. L. Lockhart. 2,410,351; Oct. 29.
Syringe with adjustable piston construction. G. N. Hein. 2,394,687; Feb. 12.
Syrup and process. Sugar. D. V. Wadsworth and M. F. Hughes. 2,409,816; Oct. 22.
Syrup, Manufacture of. G. T. Peckham, Jr. 2,395,907; Mar. 5.
Syrup, Manufacture of. G. T. Peckham, Jr. 2,395,938; Mar. 5.
System and apparatus, Electrical. P. K. Ranney. 2,402,207; June 18.
System and apparatus for facsimile telegraphy. R. J. Wise. 2,394,577; Feb. 12.
System for aircraft engines, Cooling. J. L. Arthur and R. M. Williams. 2,411,845; Dec. 3.
System for aircraft, Ice detecting. W. A. Malthaner. 2,412,626; Dec. 17.
System for carrier communication systems, Power supply. R. Kelly. 2,395,670; Feb. 26.
System for control of receiver reception by an associated transmitter. 2,412,935; Dec. 17.
System for controlling the level of liquid in containers. Electrical. T. A. Cohen. 2,412,248; Nov. 19.
System for cooling the charge flowing to an internal-combustion engine. O. Appel. 2,399,310; Apr. 30.
System for determining 3-dimensional angle of approach or incidence of radio waves. J. Y. Houghton and E. L. Kilpatrick. 2,395,874; Mar. 5.
System for directing the movements of air and/or marine craft. W. T. Weber. 2,411,400; Nov. 19.
System for electric emulsion breakers, Emulsion introduction. F. D. Mahone. 2,393,328; Jan. 22.
System for electric waves, Receiving. T. L. Gottier. 2,394,544; Feb. 12.
System for geophysical exploration. E. M. Shook and R. W. Olson. 2,413,116; Dec. 24.
System for gun turrets, Trigger. G. W. Pontius, III, A. P. Wilson, and F. V. Kuzmiz. 2,406,102; Aug. 20.
System for handling articles. H. W. Wylie. 2,396,936; Mar. 19.
System for heating, cooling, and air conditioning of buildings. E. Frankel. 2,392,240; Jan. 1.
System for irrigation. P. De Lacy-Mulhall. 2,393,091; Jan. 15.
System for locating the source of an explosion wave. W. R. Harry. 2,406,014; Aug. 20.
System for machine guns, Recharging. J. G. Mejean and J. C. Daninos. 2,413,241; Dec. 24.
System for measuring differences of potential. E. H. Greibach. 2,400,112; May 14.
System for plural traction motors, Antislippage. H. S. Ogden. 2,413,190; Dec. 24.
System for positioning heavy objects. H. L. Hull and D. J. Munroe. 2,408,070; Sept. 24.
System for radio locators, Search. M. R. Briggs and A. A. MacDonald. 2,412,867; Dec. 17.
System for radio receivers, Calibration. A. A. Collins. 2,395,856; Jan. 29.
System for refrigerator cars, Heating. C. D. Niven. 2,393,868; Jan. 29.
System for selecting recorded messages. M. Berzer. 2,396,409; Mar. 12.
System for sintering. W. F. Johnson. 2,410,944; Nov. 12.
System for space-scanning with a radiated beam of wave signal. A. V. Loughren. 2,409,944; Oct. 22.
System for steam locomotives, Compounding. R. M. Ostermann. 2,397,977; Apr. 9.
System for the protection of vessels against attack of torpedoes. P. P. Smith. 2,395,944; Mar. 5.
System for the transmission of motion. D. Mitchell. 2,395,575; Feb. 26.
System for tubing surgical materials. M. J. Hall. 2,394,054; Feb. 5.
System for ultra high frequency waves, Modulation. W. van B. Roberts. 2,393,414; Jan. 22.
System of reproducing sound. T. B. Benjamin. 2,410,956; Nov. 12.
Table: See—
Collapsible table. Ore concentrating table.
Conveyer table. Portable display table.
Display table. Printer's line-up table.
Dry concentrating table. Saw table.
Knockdown picnic table. Seat table.
Nested serving table. Typewriter table.
Table. A. G. Bureau. 2,398,693; Apr. 16.
Table. Kelley. 2,409,493; Oct. 15.
Table and blackboard, Combination folding. A. H. Burkeman. 2,397,405; Mar. 26.
Table and cabinet, Combined extension. P. H. Weber. 2,412,849; Dec. 17.
Table for chairs, Combined. A. E. Puls and E. R. Swenson. 2,400,134; May 14.
Table and seat structure. J. A. Paquette. 2,399,378; Apr. 30.
Table casting apparatus, Rotating. C. Gall and F. J. Frucha. 2,412,040; Dec. 3.
Table drive, Multiple. R. Tyler. 2,410,694; Nov. 5.
Table for paper collating machines, Stacking delivery. C. L. Leifer. 2,393,254; Jan. 22.
Table for roller sole stitching machines, Work. S. F. Graf. 2,411,853; Dec. 3.
Table, gyratory movement, with lateral impact, Perforate bulb-grading. H. Nieuwenhuis. 2,412,905; Dec. 17.
Table top and card holder. H. C. McClune. 2,394,866; Feb. 12.
Table top, Movable. G. H. Binz. 2,396,242; Mar. 12.
Table with sine bar adjustment, Work. L. E. Sealey. 2,411,541; Nov. 26.
Tables, Hydraulic duplicating mulling attachment for rotary. M. Turchan. 2,401,803; June 11.
Tablet and making and applying it, Selenium. O. Saslaw. 2,403,026; July 2.
Tablet, Vitamin B-complex. W. A. Compton and R. S. Nicholls. 2,406,741; Sept. 3.
Tablets, Making. H. F. Taylor. 2,410,110; Oct. 29.
Tabulator controlled by single-line records. D. Broido. 2,410,265; Oct. 29.
Tachistoscopic apparatus. S. Renshaw. 2,410,237; Oct. 29.
Tack pulling machine. G. A. Miner. 2,400,159; May 14.
Tacker. C. P. Kipp. 2,412,620; Dec. 17.
Tackifier, Rubber. S. A. Ballard and J. A. Perona. 2,410,623; Nov. 5.
Tackle block. R. C. King. 2,411,689; Nov. 26.
Tackle, Fishing. C. R. Mendelson. 2,399,371; Apr. 30.
Tackle, Fishing. W. H. Morrill. 2,392,335; Jan. 8.
Tag or the like, Reflected price. E. E. Crowson. 2,406,743; Sept. 3.
Tags, Securing identification. C. Doppel. 2,397,651; Apr. 2.
Tailstock. C. R. Johnson. 2,393,689; Jan. 29.
Take-off structure, Power. K. W. Consee. 2,403,848; July 2.
Take-up and tension circular knitting machines, Fabric. R. H. Carhart. 2,407,397; Sept. 10.
Take-up for roller bearings. H. F. Wright. 2,408,889; Oct. 8.
Tall oil of low viscosity and free from crystallization, Producing a. W. H. Jennings. 2,398,312; Apr. 9.
Tall oil, Treatment of. E. Segesemann. 2,400,607; May 21.
Tampoon. J. R. Crockford. 2,412,391; Dec. 10.
Tampoons, Manufacture of. C. F. Winter and D. A. Rosenthal. 2,401,284; May 28.
Tandem axle vehicle. E. W. Letzkus. 2,401,687; June 4.
Tandem axle vehicle. F. M. Reid. 2,410,747; Nov. 5.
Tandem bicycle frame. F. W. Schwinn. 2,397,441; Mar. 26.
Tandem compound elastic fluid turbine arrangement. G. B. Warren. 2,394,125; Feb. 5.

- Tandem self aligning gauge. T. A. Anderer and R. W. Tafel. 2,402,142; June 18.
- Tank: See—
- Film developer tank.
 - Fluid tank.
 - Flush tank.
 - Fuel supply tank.
 - Fuel tank.
 - Liquid storage tank.
 - Marine oil tank.
 - Material treating tank.
 - Military tank.
 - Mixing tank.
 - Noncombustible fuel tank.
 - Oil tank.
 - Photographic developing tank.
 - Puncture sealing gas tank.
 - Self-sealing gasoline tank.
 - Self sealing tank.
 - Separator tank.
 - Septic tank.
 - Storage tank.
 - Vaporizing tank.
 - War vehicle fuel tank.
- Tank. G. M. Barnes. 2,396,073; Mar. 5.
- Tank. C. L. Cowdrey and J. A. Churchill. 2,403,850; July 9.
- Tank and making the same, Hot-water. W. E. Crawford. 2,401,231; May 28.
- Tank and pump, Combination pressure. A. P. Ruth. 2,403,553; July 9.
- Tank carrier. F. Kowalski, Jr. 2,393,641-2; Jan. 29.
- Tank for dispersing fluids from aircraft, Spray. R. Goddard and P. R. Weaver. 2,408,774; Oct. 8.
- Tank for oils and other liquids, Storage. W. G. Laird. 2,403,004; July 9.
- Tank having means for drawing a vacuum on the tank and having discharge mechanisms for causing a flow of liquid thereto from the separator tank, Liquid separator. C. G. Lord. 2,413,509; Dec. 31.
- Tank of the knockdown type, Sectional. D. K. Macleod. 2,402,253; June 18.
- Tank system, Surge. M. R. Sprinkle and R. S. Mac Duff. 2,403,563; July 9.
- Tank-wall temperature indicator. C. H. Walsh. 2,396,480; Mar. 12.
- Tanks, Forming. E. Eger. 2,401,626; June 4.
- Tanks, Making. A. J. Kercher. 2,412,271; Dec. 10.
- Tanks, Manufacturing. C. S. Brown. 2,401,606; June 4.
- Tanning agent, Synthetic. E. A. Robinson and R. M. Beach. 2,401,508; June 4.
- Tanning agents and treating hides and skins therewith. W. C. Ellenbogen. 2,408,417; Oct. 1.
- Tanning compositions. J. S. Kirk. 2,395,003; Feb. 19.
- Tanning compositions and their manufacture. H. B. Fernald and R. K. Iler. 2,393,472; Feb. 26.
- Tap reconditioning machine. S. B. Hellstrom. 2,393,372; Jan. 22.
- Tapped fastener. A. P. Brush. 2,393,606; Jan. 29.
- Tapping and threading machine. H. Ashworth. 2,403,484; July 9.
- Tape adhesive. B. E. Davis. 2,399,545; Apr. 30.
- Tape applicator. L. L. Saltsberg. 2,404,317; July 16.
- Tape applying machine. S. M. Newman. 2,392,609; Jan. 8.
- Tape condenser. L. Desrosiers. 2,399,007; Apr. 23.
- Tape construction. J. A. Hendley. 2,395,869; Mar. 5.
- Tape, Corded. J. A. Hendley. 2,408,850; Oct. 8.
- Tape dispenser. R. H. Nordeen and G. W. Nedblake. 2,400,776; May 21.
- Tape dispenser. C. E. Wright. 2,401,286; May 28.
- Tape, Fabricating. J. Alfthan. 2,406,127; Aug. 20.
- Tape for joining plies, Method and. G. G. Pierson. 2,412,693; Dec. 17.
- Tape for slide fasteners, Stringer. L. Campbell. 2,396,912; Mar. 19.
- Tape moving mechanism. R. A. Clapp. 2,409,834; Oct. 22.
- Tape perforator, Random code. J. A. Spencer. 2,412,301; Dec. 10.
- Tape, Pressure-sensitive adhesive. W. E. Lundquist and W. Kellgren. 2,410,089; Oct. 29.
- Tape serving machine. T. H. Krueger. 2,409,872; Oct. 22.
- Tape, Slide fastener stringer. N. J. Poux. 2,405,902; Aug. 13.
- Tape, Thermoplastic. A. T. Didilian. 2,395,257; Feb. 19.
- Tape, Venetian blind. J. L. Hunter. 2,405,579; Aug. 13.
- Tape working machine and method. G. H. Fritzinger. 2,401,298; June 4.
- Taper. J. C. Urbank. 2,406,518; Aug. 27.
- Taper gauge. D. A. Dugger. 2,412,569; Dec. 17.
- Taper hole gauge. R. E. Gray. 2,405,648; Aug. 13.
- Taping machine. G. Fulfer. 2,405,472; Aug. 13.
- Tappet, Self cleaning and lubricating valve. H. H. Engemann. 2,404,478; July 23.
- Target, Astern attack tow. J. W. Griesinger. 2,402,156; Jan. 18.
- Teaching device, Music. F. A. Firestone. 2,406,946; Sept. 3.
- Teeter. A. N. Souza. 2,398,122; Apr. 9.
- Teeter-go-round. H. M. Hilger. 2,416,487; Oct. 15.
- Teeth cleaning unit. M. Boulicault. 2,399,660; May 7.
- Teeth, Forming artificial. M. S. Moskey. 2,409,783; Oct. 22.
- Teeth, Grinding. S. R. Silver. 2,406,113; Aug. 20.
- Teeth of gear shaving cutters and the like, Method and machine for finishing the. E. W. Miller. 2,405,159; Aug. 6.
- Teething device. R. S. Clafin. 2,408,735; Oct. 8.
- Telecommunication, Secret. G. F. Van Dissel. 2,393,224; Jan. 15.
- Telecommunication switching system. G. Deakin. 2,410,050; Oct. 29.
- Telecommunication system. P. E. A. Cowley and E. C. Walls. 2,411,415; Nov. 19.
- Telefacsimile system, Secrecy. G. V. Dillenback, Jr., and A. G. Cooley. 2,403,059; July 2.
- Telegraph apparatus. A. E. Thompson and R. D. Salmon. 2,401,007; July 16.
- Telegraph apparatus, Printing. M. T. Goetz. 2,394,167; Feb. 5.
- Telegraph apparatus, Printing. R. A. Lake. 2,392,484; Jan. 8.
- Telegraph apparatus, Printing. W. J. Zenner. 2,404,339; July 16.
- Telegraph communication, Frequency shift. C. W. Hansell. 2,395,478; Feb. 26.
- Telegraph receiver, Dot-and-dash. B. F. Ambrosio. 2,397,909; Apr. 9.
- Telegraph receiving blank, Secret. F. E. d'Humy. 2,396,833; Mar. 19.
- Telegraph receiving distributor system. E. R. Leroy and G. L. Bush. 2,411,441; Nov. 19.
- Telegraph repeater. W. S. W. Edgar. 2,394,538; Feb. 12.
- Telegraph selector. H. Angel. 2,391,868; Jan. 1.
- Telegraph signal distortion measuring circuit. S. I. Cory. 2,410,809; Nov. 12.
- Telegraph switching system. W. M. Bacon. 2,412,198; Dec. 10.
- Telegraph switching system. W. M. Bacon and W. R. Young, Jr. 2,412,955; Dec. 24.
- Telegraph system. W. M. Bacon. 2,392,356; Jan. 8.
- Telegraph system. W. M. Bacon. 2,406,787; Sept. 3.
- Telegraph system. H. H. Haglund and A. W. Breyfogel. 2,406,829; Sept. 3.
- Telegraph system. R. S. Hewitt. 2,413,322; Dec. 31.
- Telegraph system. F. S. Kinkead, by R. S. Kinkead. 2,403,441; July 9.
- Telegraph system and apparatus, Facsimile. G. H. Riddings and R. J. Wise. Re. 22,819; Dec. 17.
- Telegraph system and apparatus, Facsimile. R. J. Wise and G. H. Riddings. 2,392,442; Jan. 8.
- Telegraph system, Automatic code receiving. H. J. Rosenberger. 2,398,115; Apr. 9.
- Telegraph system, Automatic code transmitting. H. J. Rosenberger. 2,397,204; Mar. 26.
- Telegraph system, Carrier. R. B. Shanck. 2,406,042; Aug. 20.
- Telegraph system, Cryptographic. J. W. Dehn. 2,405,570; Aug. 13.
- Telegraph system, Cryptographic. K. E. Fitch and G. A. Locke. 2,405,569; Aug. 13.
- Telegraph system, Cryptographic. K. E. Fitch and G. A. Locke. 2,405,571; Aug. 13.
- Telegraph system, Frequency diversity. H. A. Rhodes. 2,397,884-5; Apr. 2.
- Telegraph system, Secret. R. M. Hicks. 2,403,280; July 2.
- Telegraph tape reperforator. J. A. Spencer. 2,412,300; Dec. 10.
- Telegraphy. R. W. Bumstead. 2,404,565; July 23.
- Telemetering system. M. J. Di Toro. 2,403,889; July 9.
- Telemetering system. J. K. Johnson. 2,403,890; July 9.
- Telemetering system, Meteorological. S. Skurnick. 2,402,688; June 25.
- Telemetering system, Transmitter for. D. W. Moore, Jr. 2,402,973; July 2.
- Telemetering, Time cycle. D. Silverman. 2,400,170; May 14.
- Telemetric apparatus. J. N. Swarr. 2,405,801; Aug. 13.
- Telemetric system. E. S. Peterson. 2,411,389; Nov. 19.
- Telephone. W. H. Edwards and M. S. Richardson. 2,410,434; Nov. 5.
- Telephone call transmitter. T. L. Dowey. 2,395,539; Feb. 26.
- Telephone dialer, Automatic. T. W. MacKenzie. 2,407,889; Sept. 17.
- Telephone diversion system, Toll. H. H. Schroepel. 2,405,332; Aug. 6.
- Telephone instrument. E. S. McLarn. 2,408,796; Oct. 8.
- Telephone line circuit. W. T. Powell. 2,403,877; July 9.
- Telephone line pulsing device. A. G. Milasus. 2,410,178; Oct. 29.
- Telephone or like signaling system. C. Gillings and C. E. Beale. 2,407,640; Sept. 17.
- Telephone or like signaling system. C. Gillings, C. E. Beale, and T. B. Terroni. 2,407,150; Sept. 3.
- Telephone or like system. C. Gillings and L. J. Murray. 2,398,826; Apr. 23.
- Telephone or like system. C. Gillings and L. J. Murray. 2,412,258; Dec. 10.
- Telephone or like system. R. Taylor, G. T. Baker, and A. C. Corner. 2,404,466; July 23.
- Telephone privacy. W. A. Munson. 2,406,352; Aug. 27.
- Telephone repeater circuit. K. S. Johnson. 2,408,072; Sept. 24.
- Telephone set. K. H. Blomberg. 2,405,543; Aug. 6.
- Telephone set, Desk. R. E. Hersey. 2,392,321; Jan. 8.
- Telephone set, Desk. R. E. Oberfell. 2,395,850; Apr. 23.
- Telephone substation apparatus. D. B. Miller. 2,410,787; Nov. 5.
- Telephone system. H. H. Abbott and H. M. Bascom. 2,400,061; May 14.
- Telephone system. R. C. Avery. 2,397,829; Apr. 2.

- Telephone system. G. Babcock. 2,397,079; Mar. 26.
 Telephone system. S. M. Babcock, A. W. Horton, and M. A. Logan. 2,398,072; Mar. 5.
 Telephone system. H. M. Bascom and F. A. Hubbard. 2,403,475; July 9.
 Telescope system. A. Bouwers. 2,409,186; Oct. 15.
 Telescope system. K. L. Burscens. 2,410,866; Nov. 12.
 Telephoto system. A. C. Cooley. 2,404,566; July 23.
 Telephone system. J. W. Dehn and M. C. Goddard. 2,405,194; Aug. 6.
 Telephone system. F. Kessler. Re. 22,813; Dec. 3.
 Telephone system. M. E. Maloney. 2,408,433; Oct. 1.
 Telephone system. W. A. Malthaner. 2,408,433; Oct. 1.
 Telephone system. L. A. Meacham. 2,396,111; Mar. 5.
 Telephone system. O. Myers. 2,405,230; Aug. 6.
 Telephone system. J. E. Ostline. 2,409,063; Oct. 8.
 Telephone system. J. E. Ostline. 2,410,520; Nov. 5.
 Telephone system. W. T. Powell. 2,402,446; June 18.
 Telephone system. A. J. Ray. 2,398,854; Apr. 23.
 Telephone system. W. G. Stanley and F. A. Leibe. 2,395,916; Mar. 5.
 Telephone system. R. Taylor and G. T. Baker. 2,405,620; Aug. 13.
 Telephone system. R. Taylor and G. T. Baker. 2,409,164; Oct. 8.
 Telephone system. J. H. Voss. 2,395,155; Feb. 19.
 Telephone system. S. B. Williams. 2,402,700; June 25.
 Telephone system. R. O. Wise. 2,408,462; Oct. 1.
 Telephone system. P. L. Wright. 2,406,053; Aug. 20.
 Telephone system. D. H. Young. 2,393,354; Jan. 22.
 Telephone system, Automatic. G. T. Baker. 2,402,232; June 18.
 Telephone system, Automatic. J. M. Blackhall. 2,396,077; Mar. 5.
 Telephone system, Automatic. W. T. Powell. 2,409,586; Oct. 15.
 Telephone system, Automatic. W. T. Powell. 2,410,304; Oct. 29.
 Telephone system, Automatic. N. H. Saunders. Re. 12,820; Dec. 17.
 Telephone system, Multiplex. E. M. Deloraine. 2,395,467; Feb. 26.
 Telephone traffic indicating and recording means. W. J. Vincent and E. D. Talbot. 2,392,890; Jan. 15.
 Telephone traffic recording system. J. E. Ostline. 2,393,403; Jan. 22.
 Telephone transmitter. G. H. Brodie. 2,404,772; July 30.
 Telephones and phonographs, Combining. H. R. Van Deventer. 2,393,272; Jan. 22.
 Telephony, Secret. F. G. Buhrendorf. 2,406,348; Aug. 27.
 Telephony, Secret. J. E. Smith. 2,401,889; June 11.
 Telescope for receiving and detecting ultra-violet light. W. Rosett. 2,401,191; May 23.
 Telescope objective, wide-angle. F. E. Altman. 2,401,324; June 4.
 Telescope sight. C. W. Dake. 2,392,122; Jan. 1.
 Telescope, Variable power. F. E. Altman. 2,398,276; Apr. 9.
 Telescopic tubes and the like, Method and apparatus for fitting. J. R. McLaughlin. 2,407,760; Sept. 17.
 Telescopic tubular plywood mast and making same. P. R. Goldman. 2,412,678; Dec. 17.
 Telescope unit, Resilient. C. J. Underwood. 2,404,111; July 16.
 Teletypewriting machine. E. O. Blodgett. 2,396,230; Mar. 12.
 Television apparatus. G. L. Beers. 2,400,066; May 14.
 Television apparatus. H. T. Lyman. 2,397,150; Mar. 26.
 Television, Color. P. C. Goldmark. 2,406,760; Sept. 3.
 Television communication, Method and system for. J. H. Homrighous. 2,398,642; Apr. 16.
 Television film scanning system, Color. J. D. Schantz. 2,412,098; Dec. 3.
 Television follower apparatus. F. W. Reynolds. 2,403,023; July 2.
 Television image projection system. H. P. Prosser. 2,398,960; Apr. 23.
 Television, Modulation system for. W. J. Poch. 2,403,549; July 9.
 Television projector tube. D. B. Langmuir and J. S. Donald, Jr. 2,412,520; Dec. 10.
 Television receiving system. E. J. Gorn. 2,411,155; Nov. 19.
 Television receiving system. H. E. Kallmann. 2,394,917; Feb. 12.
 Television receiving system. A. H. Rosenthal. Re. 22,734; Mar. 19.
 Television signal generator. J. A. Hansen. 2,404,173; July 16.
 Television signal generator. L. F. Mayle. 2,401,010; May 28.
 Television signal separator. M. Cawein. 2,399,593; Apr. 30.
 Television signal-translating system. W. F. Bailey. 2,404,939; July 30.
 Television signals, Method and system for developing. O. H. Schade. 2,413,075; Dec. 24.
 Television system. C. O. Browne and H. W. Hobbs. 2,404,030; July 16.
 Television system. A. M. Carmel. 2,408,293; Sept. 24.
 Television system. P. H. Craig. 2,393,890; Jan. 29.
 Television system. A. N. Goldsmith. 2,398,705; Apr. 16.
 Television system. O. H. Schade. 2,402,691; June 11.
 Television system. W. A. Tolson and R. S. Holmes. 2,401,441; June 4.
 Television system. N. H. Young, Jr. 2,401,384; June 4.
 Television system, Self-synchronizing. J. H. Homrighous. 2,398,641; Apr. 16.
 Television transmitting apparatus. L. E. Flory, E. A. Massa, and G. A. Morton. 2,404,046; July 16.
 Telltale. W. B. Klempere. 2,400,152; May 14.
 Temperature and pressure control. R. W. Jensen. 2,405,831; Aug. 13.
 Temperature change compensating means. S. Rockafellow. 2,409,800; Oct. 22.
 Temperature control, Aircraft. H. T. Sparrow. 2,408,699; Oct. 1.
 Temperature control in regeneration of contact masses. A. J. Abrams. 2,399,532; Apr. 30.
 Temperature control valve. L. R. Titcomb. 2,393,841; Jan. 39.
 Temperature indicating electric iron. L. R. Bolte. 2,408,750; Oct. 8.
 Temperature indicator. H. F. Malone. 2,391,992; Jan. 1.
 Temperature indicator. A. Paalu. 2,395,937; Mar. 5.
 Temperature instrument, Remote reading. R. Scott. 2,393,197; Jan. 15.
 Temperature responsive controller. A. C. Purpura. 2,392,407; Jan. 8.
 Temperature sensitive means. C. F. Kettering. 2,399,640; May 7.
 Template. M. S. Cree. 2,409,019; Oct. 8.
 Temporary Manufacture of. G. B. Crouse and F. A. Holt. 2,405,090; July 30.
 Templet. S. W. Hayes. 2,412,147; Dec. 3.
 Temporary fastener. K. C. Bugg and H. L. Hart. 2,393,587; Jan. 29.
 Tensiometer. G. E. Holton, C. E. Heglund, and J. V. Manson. 2,403,799; July 9.
 Tensiometer. A. L. Marker and E. W. Bergere. 2,401,876; June 11.
 Tension control for abrasive belt systems, Measured. S. H. Klossner. 2,407,499; Sept. 10.
 Tension device for sheet material. H. P. Faris and J. E. White. 2,398,822; Apr. 23.
 Tension for Axminster looms, Weft. N. Fletcher. 2,407,773; Sept. 17.
 Tension of warp beams of looms, Method and apparatus for mounting and controlling. M. P. Epstein and C. R. Barton. 2,413,223; Dec. 24.
 Tension-recoll garments, Pressing machines, Variable. N. Monsarrat. 2,398,909; Apr. 23.
 Tensioning device. M. F. Jones and H. F. Hanson. 2,404,963; July 30.
 Tensioning device. Yarn. E. C. Gwaltney and H. R. Marsh. 2,405,885; Aug. 13.
 Tent. N. Rosenfeld. 2,393,415; Jan. 22.
 Terminal, Adjustable ventilation. W. H. Hoppmann, Jr., and D. T. Theodore. 2,400,880; May 28.
 Terminal assembly, Coaxial. W. W. Rigrod and D. G. Clifford. 2,408,271; Sept. 24.
 Terminal assembly for electric circuits. N. H. Martin. 2,397,283; Mar. 26.
 Terminal block. P. S. Graham. 2,397,102; Mar. 26.
 Terminal block. H. R. Warnke. 2,411,014; Nov. 12.
 Terminal, Cable. L. Wetherill. 2,401,996; June 11.
 Terminal connector. E. H. Ayers. 2,401,130; May 28.
 Terminal construction. B. R. Hermann. 2,399,028; Apr. 23.
 Terminal, Electrical. W. J. Kindermann. 2,406,383; Aug. 27.
 Terminal fitting for stranded-wire structure, Detachable. A. E. Brickman. 2,412,948; Dec. 24.
 Terminal for electron tubes, Contact. S. J. Koch. 2,398,535; Apr. 16.
 Terminal, Head band. W. E. Morgan. 2,412,741; Dec. 17.
 Terminal, Starter adapter. H. M. Lewis. 2,407,611; Sept. 10.
 Terpene derivatives. J. N. Borglin. 2,394,359; Feb. 5.
 Terpene derivative. A. L. Rummelsburg. 2,397,205; Mar. 26.
 Terpene derivatives. A. L. Rummelsburg. 2,406,106; Aug. 20.
 Terpene derivatives. A. L. Rummelsburg. 2,407,937; Sept. 17.
 Terpene isomerization. W. J. Kirkpatrick. 2,393,915; Jan. 29.
 Terpene product, Stabilization of. A. L. Rummelsburg. 2,404,251; July 16.
 Terpene reaction product and producing. E. Ott. 2,413,648; Dec. 31.
 Terpene separation. N. T. Farinael and W. J. Kirkpatrick. 2,393,894; Jan. 29.
 Tertiary allyl ureas and formaldehyde and producing same, Reaction condensation products of. M. T. Harvey and S. Caplan. 2,406,218; Aug. 20.
 Tertiary amines of heterocyclic compound. C. Djerassi, C. P. Hutter, and C. R. Scholz. 2,406,594; Aug. 27.
 Tertiary amino derivatives of dihydro-anthracene. J. W. Cusic. 2,403,483; July 9.

- Tertiary amino derivatives of dihydroanthracene. J. W. Cusic. 2,404,219; July 16.
- Test apparatus, Bending modulus. J. W. Liska and F. S. Grover. 2,404,584; July 23.
- Test apparatus, Thermionic tube. J. B. Crawley. 2,399,959; May 7.
- Test circuit. P. N. Burrows and N. R. Lockwood. 2,397,406; May 14.
- Test for tire cord, Fatigue. G. D. Mallory. 2,412,524; Dec. 10.
- Test light. J. Berger. 2,413,484; Dec. 31.
- Test sample, Assembly. H. W. Dietert. 2,402,738; June 25.
- Test set for communication apparatus. W. L. Konrad. 2,398,381; Apr. 16.
- Test system. D. E. Garr and B. S. Weaver. 2,399,918; May 1.
- Tester, Battery capacity. B. F. W. Heyer. 2,392,737; Jan. 8.
- Tester, Echo box resonance. J. W. Brannin. 2,405,814; Aug. 13.
- Tester, Flow condition. T. B. Crawford and J. E. Vilbig. 2,395,536; Feb. 26.
- Tester, Glove-size. R. C. Koepnick, D. I. Patt, and F. E. Randall. 2,406,386; Aug. 27.
- Tester, Power-operated sediment. A. M. Lang. 2,400,154; May 14.
- Tester, Propeller governor. I. V. Falk. 2,410,155; Oct. 29.
- Tester, Shell banding. H. C. Drake. 2,401,917; June 11.
- Tester, Side-wall production. A. M. Bandy. 2,391,869; May 1.
- Tester, Spring. H. H. Walley, Jr., and A. W. Keema. 2,407,591; Sept. 10.
- Testing and selecting device. Can. C. D. Russell. 2,399,391; Apr. 30.
- Testing apparatus. W. Newton. 2,401,954; June 11.
- Testing apparatus, Blood pressure. C. H. McAlpine. 2,405,265; Aug. 6.
- Testing apparatus, Drag. J. M. Bell. 2,398,574; Apr. 16.
- Testing apparatus, Electrical. J. H. Miller. 2,410,386; Oct. 29.
- Testing apparatus, Material. C. E. Miller and R. J. Demarini. 2,411,450; Nov. 19.
- Testing apparatus of the vibratory motion type. P. W. Ott. 2,399,503; Apr. 30.
- Testing assembly. J. M. Laird. 2,406,080; Aug. 20.
- Testing compressible hardness of materials, Method and apparatus for. E. A. Sprigg. 2,407,593; Sept. 10.
- Testing device. G. R. Greenslade. 2,399,018; Apr. 23.
- Testing device. T. Groven and D. R. Buxton. 2,396,172; Mar. 5.
- Testing device. A. W. Hatfield. 2,403,859; July 9.
- Testing device. R. V. Puterbaugh and W. H. Puterbaugh, Jr. 2,398,156; Apr. 9.
- Testing device and method, for. Quartz crystal. G. W. Willard. 2,401,382; June 4.
- Testing device, Hollow axle. H. F. Gilch. 2,399,864; May 7.
- Testing device, Impact. A. Zavarella and L. McPheters. 2,398,458; Apr. 16.
- Testing device, Knowledge. C. Lorber. 2,394,247; Feb. 5.
- Testing device, Tack. R. E. Bonner and M. D. Brewster. 2,406,989; Sept. 3.
- Testing device, Thread friction. R. J. Fish. 2,407,545; Sept. 10.
- Testing equipment. K. M. Fetzter and F. A. Hoyt. 2,402,617; June 25.
- Testing machine, scrape-abrasion. H. J. Wilhoite, Jr. 2,397,227; Mar. 26.
- Testing machine, Tensile. R. Cummings. 2,400,920; May 28.
- Testing machine, Tube leakage. E. M. Rogers. 2,398,328; Apr. 9.
- Testing machine, Valve. W. A. Marshall, Jr. 2,405,924; Aug. 13.
- Testing machine, Variable velocity impact. J. J. Kanter and W. V. Smith. 2,398,746; Apr. 16.
- Testing means, Eye. C. A. Ellis. 2,406,596; Aug. 27.
- Testing metal Sonic method for. T. A. Read, H. I. Fustfeld, and S. W. Kitchin. 2,403,999; July 16.
- Testing method. W. L. Hoff and L. I. Shaw. 2,393,684; Jan. 29.
- Testing, Method of and apparatus for magnetic. F. B. Doane. 2,401,467; June 4.
- Testing system, Frequency response. S. F. Carlisle, Jr., and A. B. Mundel. 2,401,411; June 4.
- Testing tubes. W. G. Rommel. 2,394,875; Feb. 12.
- Tetraethyl lead. W. de B. Bertollette and A. E. Parmelee. 2,400,383; May 14.
- Tetraethyl lead from hydrocarbons, Removal of. M. Friedman. 2,392,846; Jan. 15.
- Tetra ethyl lead, Purification of. A. E. Parmelee. 2,410,356; Oct. 29.
- Tetrafluoroethylene, Depolymerization of polymeric. E. E. Lewis. 2,406,153; Aug. 20.
- Tetrafluoroethylene polymer, Pyrolysis of. A. F. Benning, F. B. Downing, and J. D. Park. 2,394,581; Feb. 12.
- Tetrafluoroethylene, Polymerizing. M. M. Brubaker. 2,393,967; Feb. 5.
- Tetrafluoroethylene, Polymerizing. R. M. Joyce, Jr. 2,394,243; Feb. 5.
- Tetrafluoroethylene, Stabilization of. M. M. Brubaker. 2,407,396; Sept. 10.
- Tetrafluoroethylene, Stabilization of. M. A. Dietrich and R. M. Joyce, Jr. 2,407,405; Sept. 10.
- Tetrafluoroethylene, Stabilization of. W. E. Hanford. 2,407,419; Sept. 10.
- Tetrahydrofurfuryl ether of amino-diphenylamine. R. P. Parker and C. M. Hofmann. 2,400,050; May 7.
- Tetrahydrofurfuryl alcohol esters of halogen substituted carboxylic acids. J. N. Borglin. 2,410,167; Oct. 29.
- Tetrahydrofurfuryl alcohol esters of halogen substituted carboxylic acids. J. N. Borglin. 2,410,167; Oct. 29.
- Tetrazolazopyridine. J. Gyr and R. Gunst. 2,401,868; June 11.
- Tetryl, Manufacture of. G. W. Batchelder. 2,405,340; Aug. 6.
- Textile and other materials, Production of colored. H. C. Olpin, E. Stanley, and C. S. Angley. 2,393,652; Jan. 29.
- Textile apparatus. E. E. Stahl, F. W. Schutte, and W. J. Elvin. 2,398,473; Apr. 16.
- Textile apparatus. P. J. Thomas. 2,395,522; Feb. 26.
- Textile carding machine. E. C. Gwaltney and H. E. Child. 2,396,571; Mar. 12.
- Textile drawing frame. R. D. Tarr. 2,398,756; Apr. 16.
- Textile fabric and producing same, Resin-impregnated woven. R. C. Whitman. 2,400,379; May 14.
- Textile fibers, Lubrication of. H. J. Billings. 2,413,428; Dec. 3.
- Textile fibers, Treating of mixed. J. H. McKeown and W. Penn. 2,399,559; Apr. 30.
- Textile finishing. H. J. West. 2,397,451; Mar. 26.
- Textile machine. W. J. Elvin. 2,401,725; June 11.
- Textile machinery. E. Kinsella. 2,396,662; Mar. 19.
- Textile machines, Controlling. J. J. Nesterowicz. 2,400,837; May 21.
- Textile material and preparing it. E. C. Pfeffer, Jr., and J. Epelberg. 2,412,832; Dec. 17.
- Textile material to prevent edge curling, Treating. J. F. Gifford. 2,401,621; June 25.
- Textile materials, Continuous dyeing of. G. F. Womble. 2,396,908; Mar. 19.
- Textile materials, Mildewproofing of. W. P. ter Horst. 2,401,028; May 28.
- Textile materials, Treatment of. G. W. Seymour and W. Brooks. 2,406,408; Aug. 27.
- Textile printing composition and fabric. D. M. Gans. 2,394,542; Feb. 12.
- Textile printing paste and fabric. D. M. Gans. 2,394,543; Feb. 12.
- Textile rope-stacking apparatus. S. Steele. 2,403,311; July 2.
- Textile spindle. E. G. Crawford. 2,412,129; Dec. 3.
- Textile treatment. H. O. Kauffmann, E. S. Shanley, and R. L. McEwen. 2,391,905; Jan. 1.
- Textile webbing. J. A. Hendley. 2,410,028; Oct. 29.
- Textiles and preparation, Composition for waterproofing. H. L. Van Mater. 2,402,897; June 25.
- Textiles and the like, and apparatus therefor, Continuous printing. V. Carlsen, A. Heinrich, and D. L. Ballou. 2,404,350; July 23.
- Textiles and the product produced, Finishing. J. A. Clark. 2,391,867; Jan. 1.
- Textiles, Fibers and the like water-repellent, Rendering. W. Henrich and R. Hueter. 2,411,860; Dec. 3.
- Textiles, Manufacture of. L. A. Savage. 2,410,394; Oct. 29.
- Textiles, Preparation of water-repellant. H. Robinette, Jr. 2,402,776; June 25.
- Textiles, Process and compositions for treating. G. H. Morey. 2,402,767; June 25.
- Textiles, Treating, cellulose-containing. E. Weiss. 2,411,818; Nov. 26.
- Textiles, Treatment of. D. Aelony. 2,398,272; Apr. 9.
- Theater. L. P. Joserand. Re. 22,756; May 14.
- Theatrical apparatus. W. R. Spohn. 2,405,766; Aug. 13.
- Therapeutic bath, Automatic plural temperature timing. R. E. Schurtz. 2,413,002; Dec. 24.
- Therapeutic compositions. S. Ansbacher. 2,403,473; Jan. 8.
- Thermal-balance-responsive apparatus. R. W. Shoemaker. 2,398,333; Apr. 9.
- Thermal control apparatus. L. M. Persons. 2,392,613; Jan. 8.
- Thermal decomposition in high temperature accumulators, Reducing. K. J. F. Dutton, Jr., and D. A. Smith. 2,398,213; Apr. 9.
- Thermal dissociation of monoethanolamine salts. R. M. Reed. 2,399,142; Apr. 23.
- Thermal power plant. K. Ruegg. 2,411,294; Nov. 19.
- Thermal prospecting. L. W. Blau. 2,403,704; July 9.
- Thermal protective device. A. R. van C. Warrington. 2,412,483; Dec. 10.
- Thermal reactions, Process and apparatus for promoting. W. W. Odell. 2,398,954; Apr. 23.
- Thermal treatment of oxide magnesium ore. C. B. Willmore. 2,402,193; June 18.
- Thermionic devices, Manufacture of miniature. F. R. Kew and J. J. Bannon, Jr. 2,400,122; May 14.
- Thermionic tube. M. Bareiss. 2,395,835; Mar. 5.
- Thermionic tube. W. W. Eitel and J. A. McCullough. 2,400,080-1; May 14.

- Thermionic tubes and cathode therefor, Operating. C. V. Litton. 2,392,397; Jan. 8.
- Thermionic valves and the like, Securing holders of. G. Wagstaff. 2,401,207; May 28.
- Thermocouple. A. Graves and G. A. R. Tomes. 2,413,618; Dec. 31.
- Thermocouple. J. P. Vollrath. 2,405,076; July 30.
- Thermodynamic process and apparatus. J. R. Roebuck. 2,393,338; Jan. 22.
- Thermoelectric device. R. S. Ohl. 2,402,663; June 25.
- Thermoelectric device. E. Schwarz. 2,393,196; Jan. 15.
- Thermoelectric device. E. Schwarz. 2,397,756; Apr. 2.
- Thermoelectric generating device. E. Paille. 2,410,128; Oct. 29.
- Thermoelectric generator. H. J. Findley. 2,410,872; Nov. 12.
- Thermoelectric generator. W. R. Ray. 2,407,517; Sept. 10.
- Thermoelectric system. R. S. Ohl. 2,407,678; Sept. 17.
- Thermohydrometer. L. Edelmann. 2,393,523; Jan. 22.
- Thermohydrometer. A. Z. Hoyer. 2,410,031; Oct. 29.
- Thermometer. A. A. Weiss. 2,395,701; Feb. 26.
- Thermometer and thermostat. Wet bulb. R. T. Palmer. 2,412,782; Dec. 17.
- Thermometer, Resistance. R. H. Ostergren. 2,395,192; Feb. 19.
- Thermomotive device. C. I. Hall. 2,399,020; Apr. 23.
- Thermopile for fire alarm systems. F. G. Kelly. 2,410,218; Oct. 29.
- Thermoplastic articles, Making molded. R. R. Bradshaw. 2,399,592; Apr. 3.
- Thermoplastic compositions. E. F. Brookman and L. M. Smith. 2,397,942; Apr. 9.
- Thermoplastic hellicoidal structures, Making. R. F. and J. E. Pierce. 2,393,058; Jan. 15.
- Thermoplastic lacquer and preparing the same. J. B. Monier. 2,411,665; Nov. 26.
- Thermoplastic material, Extrusion of. J. R. Hiltner and W. Berlinghof, Jr. 2,401,642; June 4.
- Thermoplastic material to sheets or webs, Method and apparatus for applying. W. F. Grupe. 2,396,948; Mar. 19.
- Thermoplastic materials, Extruding. J. Bokeno. 2,411,847; Dec. 3.
- Thermoplastic resinous compositions, Manufacture of expanded. A. Cooper and D. E. Partington. 2,405,345; Aug. 6.
- Thermopressure gluing press. E. J. Klassen. 2,411,043; Nov. 12.
- Thermoresponsive cable. R. D. Kaul. 2,409,359; Oct. 15.
- Thermosetting composition. J. L. Haas. 2,396,098; Mar. 5.
- Thermosetting material, Molding. N. Lester. 2,410,510; Nov. 5.
- Thermosetting polyvinyl compositions. E. E. Novotny, G. K. Vogelsang, and E. E. Novotny. 2,402,075; June 12.
- Thermostat. E. K. Clark and J. S. Wojcik. 2,398,579; Apr. 16.
- Thermostat. W. B. Griffith. 2,413,140; Dec. 24.
- Thermostat. M. A. Schwartz. 2,413,079; Dec. 24.
- Thermostat. S. Vernet. 2,396,138; Mar. 5.
- Thermostat. K. L. Woodman. 2,405,003; July 30.
- Thermostat circuit. E. J. Masek. 2,394,708; Feb. 12.
- Thermostat controlled alarm. P. Martin. 2,408,667; Oct. 1.
- Thermostat, Fire detecting. R. P. Jameson. 2,411,093; Nov. 12.
- Thermostat, Resistance bulb. V. O. Beam, B. Cyr, and J. M. Willson. 2,403,843; July 9.
- Thermostatic element. D. W. Abernathy. Re. 22,754; May 14.
- Thermostatic elements, Making. L. M. Persons. 2,392,943; Jan. 15.
- Thermostatic metal. C. F. Alban and S. R. Hood. 2,403,895; July 16.
- Thermostatic overload relay. G. C. Armstrong. 2,404,352; July 23.
- Thermostatic relay. G. C. Armstrong. 2,412,854; Dec. 17.
- Thermostatic surge valve. E. C. Warrick and H. Cruzan. 2,400,615; May 21.
- Thermostatic switch. G. W. Crise. 2,413,100; Dec. 24.
- Thermostatic switch. B. E. Getchell. 2,412,142; Dec. 3.
- Thermostatic switch. J. A. Rodgers. 2,392,065; Jan. 1.
- Thermostatic switch. F. W. Stein. 2,406,443; Aug. 27.
- Thermostatic switch. A. Wild. 2,405,869; Aug. 13.
- Thermostatic switch plug. B. F. Oebbecke. 2,407,764; Sept. 17.
- Thiobenzol. Preparation of. J. K. Simons. 2,396,893; Mar. 19.
- Thickness, Determining blade. H. P. Moyer. 2,399,650; May 7.
- Thimble, Junction box for rope. E. H. Borgelt. 2,398,403; Apr. 16.
- Thimble, Yarn cutting. J. S. Smith. 2,392,885; Jan. 15.
- Thin abrasive wheel. E. N. Newnham. 2,394,326; Feb. 5.
- Thio-acids and derivatives, Manufacture of. H. M. Martin. 2,413,361; Dec. 31.
- Thiocyanate quaternary compounds and preparing the same. J. Pkl. 2,402,526; June 18.
- Thiocyanates, Prevention of formation of colors in. W. H. Hill and J. H. F. Veltman. 2,404,576; July 23.
- Thio-cyclic acid and cyclopentadiene-olefinic adducts, Addition rearrangement products of. H. A. Bruson. 2,411,869; Dec. 3.
- Thiocyanate aliphatic ethers of hydroxidihydronordicyclopentadiene. H. A. Bruson. 2,395,454; Feb. 26.
- Thiocyanate alkyl ethers of endocyclic cyclopentanol. H. A. Bruson. 2,412,799; Dec. 17.
- Thio ethers, Mixed. P. H. Schlosser and K. R. Gray. 2,392,103; Jan. 1.
- Thio-ethers, Photo-chemical preparation of. F. F. Rust and W. E. Vaughan. 2,392,294; Jan. 1.
- Thio-ethers, Photo-chemical production of halogenated. F. F. Rust and W. E. Vaughan. 2,392,295; Jan. 1.
- Thioglycolic amides. A. Weisberger, C. J. Kibler, and R. V. Young. 2,412,700; Dec. 17.
- Thiol derivatives. A. A. Pavlic and W. J. Peppel. 2,397,689; Apr. 2.
- Thiols, Producing. M. W. Farlow and F. K. Signaigo. 2,402,613; June 25.
- Thionaphthols, Preparation of. W. A. Lazear, F. K. Signaigo, and L. G. Wise. 2,402,645; June 25.
- Thionyl chloride, Preparation of. A. T. Hallowell and G. T. Vaala. 2,393,247; Jan. 22.
- Thiophan-3-one and manufacture of same. P. Karrer. 2,408,518; Oct. 1.
- Thiophene, Preparation of. D. D. Coffman. 2,410,401; Oct. 29.
- Thiourea compounds, Condensation products of. C. Graenacher and R. Sallmann. 2,411,655 Nov. 26.
- Thiourea, Manufacture of. W. F. Lewis. 2,393,917; Jan. 29.
- Thiozonides of the 2 cyclo-alken-1 series. O. Huppert. 2,397,355; Mar. 26.
- Thrashing machine. A. D. Clark. 2,403,638; July 9.
- Thread and sewing device. R. W. Stanley and W. B. Lowe. 2,404,005; July 16.
- Thread-advancing reel. L. A. Corey. 2,413,217; Dec. 24.
- Thread advancing reel. R. W. Stanley. 2,396,297; Mar. 12.
- Thread advancing reel. R. W. Stanley and W. B. Lowe. 2,403,031; July 2.
- Thread and glass cutting compound. J. B. Williams. 2,396,403; Mar. 12.
- Thread breaker. E. H. Schmidt. 2,392,268; Jan. 1.
- Thread control mechanism for sewing machines. N. V. Christensen, H. J. Le Vesconte, and A. M. Schweda. 2,394,365; May 5.
- Thread controlling means for sewing machines. F. F. Zeler. 2,413,277; Dec. 24.
- Thread cutter. H. F. Dooling. 2,413,406; Dec. 31.
- Thread cutter. M. Schreiber and A. Stebbins. 2,407,578; Sept. 10.
- Thread cutting machine. R. W. Ecoff. 2,393,600; Jan. 29.
- Thread diameter gauge. G. S. Bunch. 2,399,624; May 7.
- Thread finishing machine. A. E. Winslow. 2,400,325; May 14.
- Thread for elastic fabrics, Sewing. A. R. Bell. 2,397,460; Dec. 2.
- Thread inspection device. W. M. Alling. 2,412,381; Dec. 10.
- Thread, Method and apparatus for twisting. J. K. Whisnant. 2,407,358; Sept. 10.
- Thread or the like, Manufacture of. H. B. Kline, L. S. Fryer, and R. D. MacLaurin. 2,394,519; Feb. 5.
- Thread production. J. A. Bradner. 2,410,261; Oct. 29.
- Thread remover for welt replenishing looms, Pneumatic. R. G. Turner. 2,400,963; May 28.
- Thread, Wetting. A. Burgeni and R. L. Keown. 2,398,516; Apr. 16.
- Thread with liquids, Treatment of. D. C. F. Devos. 2,395,256; Feb. 19.
- Threaded connection, Adjustable. J. W. Leighton. 2,404,076; July 16.
- Threaded fastening device. D. C. Hungerford and J. D. Shaw. 2,393,323; Jan. 22.
- Threaded locking device. R. W. Luce. 2,391,989; Jan. 1.
- Threaded locking device. R. W. Luce. 2,412,896; Dec. 17.
- Threading apparatus. M. F. Boeck and H. L. Rausch. 2,397,463; Apr. 2.
- Threading device. E. N. Simmons. 2,398,052; Apr. 9.
- Threading device, Needle. C. J. Schuster. 2,411,118; Nov. 12.
- Threadless pipe connector. E. Kaysing. 2,393,252; Jan. 22.
- 3,4-Dibromotetrahydrothiophene. W. I. Patterson and J. V. Karabinos. 2,411,225; Nov. 19.
- 3,4-dihydroxy-thiophan and manufacture of same, Derivatives of. P. Karrer. 2,410,948; Nov. 12.
- 3-hydroxy-2-butanone, Production of. N. Sjolander and W. Eisenman. 2,401,778; June 11.
- 3-picoline, 4-picoline, and 2,6-lutidine, Separating. G. Riethof. 2,412,649-51; Dec. 17.
- 3-picoline, Recovery of pure. G. Riethof. 2,403,949; July 16.
- 3,6-epoxycyclohexene. W. Nudenberg. 2,405,267; Aug. 6.
- 3-ureido-1,2,4-triazoles and their preparation. D. W. Kaiser. 2,399,598; Apr. 30.

- Three-way solenoid valve. B. E. Shaw. 2,398,452; Apr. 16.
- Thromboplastin product and preparation of same. H. P. Smith. 2,408,535; Oct. 1.
- Throttle and pressure control. L. A. Phillips. 2,399,505; Apr. 30.
- Throttle control. P. M. Waite. 2,406,273; Aug. 20.
- Throttle control. P. M. Waite. 2,406,872; Sept. 3.
- Throttle control. P. M. Waite. 2,409,231; Oct. 15.
- Throttle control, Automatic. L. F. Sobie. 2,402,851; June 25.
- Throttle control, Carburetor. J. F. Weakley. 2,412,021; Dec. 3.
- Throttle, Duct. W. H. Hunter. 2,409,433; Oct. 15.
- Throttling device, Multiple orifice. C. R. Mockridge and R. W. Allerton. 2,400,151; May 14.
- Throttling valve. J. S. Palmer. 2,403,751; July 9.
- Thrust collar construction. R. D. Acton and A. Krieg. 2,397,905; Apr. 9.
- Thyroid product, Brominated. E. A. Ferguson, Jr. 2,395,372; Feb. 19.
- Ticket controlling means. R. Hofer. 2,400,510; May 21.
- Ticket issuing machine. C. D. Tuska. 2,400,793; May 21.
- Ticket roll holder. W. A. Roehner. 2,411,293; Nov. 19.
- Tie and spacer, Concrete form. A. Olson. 2,413,415; Dec. 31.
- Tieback, Curtain or drapery. J. Hagen. 2,403,361; July 2.
- Tieback, Drapery and curtain. M. I. van Zandt. 2,399,524; Apr. 30.
- Tie. Bow. A. F. Taborski. 2,411,908; Dec. 3.
- Tie for track rails, Metallic. J. H. Keith. 2,398,942; Apr. 23.
- Tie, Interchangeable bow. A. F. Taborski and J. W. Perry. 2,394,024; Feb. 5.
- Tie, Knottless package. I. R. Trevisan. Re. 22,753; May 7.
- Tie lock. E. Resnick. 2,396,751; Mar. 19.
- Tie plate and rail anchor assembly. E. J. Boland. 2,410,260; Oct. 29.
- Tie-plates upon cross-ties, Fastening. F. A. Preston. 2,397,750; Apr. 2.
- Tie rack. A. Dunn and O. C. Eiland. 2,411,320; Nov. 19.
- Tie rack. T. Kramer. 2,409,570; Oct. 15.
- Tie, Railroad. B. Branham. 2,406,131; Aug. 20.
- Tie rod coupling. J. H. Brenner and L. Slama. 2,396,151; Mar. 5.
- Tie, Wall. W. Vander May. 2,400,670; May 21.
- Ties for reinforcing rods, Chair. B. F. Burner and L. A. Brooke. 2,407,249; Sept. 10.
- Tightener, Nut. J. H. Buechler. 2,411,245; Nov. 19.
- Tightener, Sucker rod. J. D. Cavanese. 2,409,104; Oct. 8.
- Tightening means, Chain. H. S. Ausherman. 2,409,526; Oct. 15.
- Tile, Acoustic. A. B. Hurley. 2,410,413; Nov. 5.
- Tile, Acoustical. G. H. Burt. 2,412,713; Dec. 17.
- Tile forming mold. R. J. Kingston. 2,404,966; July 30.
- Tiller, Disk. W. H. Silver. 2,392,006; Jan. 1.
- Tiller, Rotary. J. P. Bagan. 2,408,361; Oct. 1.
- Tiltable chair. H. W. Bolens. 2,403,425; July 2.
- Tiltable shelves drill holder case. J. A. Ramsey. 2,408,227; Sept. 24.
- Tilting apparatus. D. H. Mitchell. 2,398,715; Apr. 16.
- Tilting apparatus, Railway car. J. H. Porteus. 2,404,091; July 16.
- Timber ring connector. F. H. Alcott. 2,400,864-5; May 21.
- Timber setting machine. H. S. Gay and T. V. Maynard. 2,408,387; Oct. 1.
- Time delay apparatus. M. G. Nicholson, Jr. 2,401,094; May 28.
- Time delay circuit. F. E. Bartholy. 2,393,014; Jan. 15.
- Time delay device. R. M. Bennett and G. H. Syrovoy. 2,393,736; Jan. 29.
- Time delay relay circuit. R. Di Giuseppe. 2,394,294; Feb. 5.
- Time delay-relay, Instant recycling. M. G. Nelsen. 2,396,523; Mar. 12.
- Time delay switch. D. B. Jones. 2,398,183; Apr. 9.
- Time fuse, Ammunition. C. F. Zappone. 2,405,085; July 30.
- Time fuses, Safety device for mechanical. J. E. Middlemiss. 2,398,439; Apr. 16.
- Time indicator. J. P. Putnam. 2,396,929; Mar. 19.
- Time interval meter. F. Rieber. 2,401,019; May 28.
- Time limit device, Adjustable. R. B. Immel. 2,406,377; Aug. 27.
- Time-measuring instrument. O. Kornel. 2,395,127; Feb. 19.
- Timepiece movement, Electric. G. F. Dales. 2,400,687; May 21.
- Timepiece regulator. L. Wolfe. 2,393,671; Jan. 29.
- Timepiece, setting mechanism. E. F. Carlstrom. 2,412,493; Dec. 10.
- Time recorder. F. L. Eldmann and G. C. Engel. 2,393,761; Jan. 29.
- Time recording apparatus. M. F. Disney. 2,395,658; Feb. 26.
- Time sequencing control system, Thermal. B. W. Jones. 2,409,492; Oct. 15.
- Time system. R. L. Lorenz. 2,393,789; Jan. 29.
- Timer. E. G. Ilenny. 2,398,637; Apr. 16.
- Timer. C. W. Smith. 2,411,393; Nov. 19.
- Timer, Compensating stoker. G. W. Crise. 2,402,240; June 18.
- Timer, Electronic differential. W. I. Bendz. 2,393,015; Jan. 15.
- Timer for Roentgen photography, Photoelectric. R. H. Morgan and P. C. Hodges. 2,401,289; May 28.
- Timer for toaster. A. C. Furuta. 2,402,576; June 25.
- Timer, Picture or film. M. Fleischer and G. M. Mast. 2,410,577; Nov. 5.
- Timing and volume control, Air draft. C. M. Helyar. 2,407,743; Sept. 17.
- Timing apparatus. A. J. Brunner. 2,394,661; Feb. 12.
- Timing apparatus. R. G. Richardson. 2,398,249; Apr. 9.
- Timing apparatus. H. F. Storm. 2,396,898; Mar. 19.
- Timing arrangement, Electrical. D. A. Christian. 2,408,105; Oct. 8.
- Timing arrangement for multiple unit polishing machines, Automatic. C. D. Johnson. 2,399,039; Apr. 23.
- Timing circuit. P. G. Edwards. 2,399,213; Apr. 30.
- Timing control apparatus. A. H. Powell. 2,393,187; Jan. 15.
- Timing control circuit. B. Eisenberg. 2,396,497; Mar. 12.
- Timing device. H. J. Dibble. 2,401,747; June 11.
- Timing device. C. S. Hornberger. 2,402,965; July 2.
- Timing device. J. Ogden. 2,409,888-9; Oct. 22.
- Timing device. P. M. Pappas. 2,393,559; Jan. 22.
- Timing device. M. H. Rhodes. 2,408,987; Oct. 8.
- Timing device. W. R. Talianferro. 2,397,219; Mar. 26.
- Timing device, Electronic. E. M. Callender. 2,409,473; Oct. 15.
- Timing device, Electronic. L. E. Flory. 2,410,156; Oct. 29.
- Timing device, Fluid operated. A. H. Haberstump and L. C. Freeman. 2,397,103; Mar. 26.
- Timing means, Impulse actuated. C. W. Gilbert. 2,407,232; Sept. 10.
- Timing mechanism. E. W. Gent. 2,400,085; May 14.
- Timing mechanism, Exposure. R. L. Smith. 2,407,800; Sept. 10.
- Timing modulation. N. I. Korman. 2,400,648; May 21.
- Timing system for ice making apparatus. J. D. Williams, Jr. 2,396,308; Mar. 12.
- Tin depositing process. A. G. Hopkins. 2,408,515; Oct. 29.
- Tin electrodeposition composition and process. E. W. Schweikher. 2,402,185; June 18.
- Tin, Electrodeposition of. J. W. Andrews. 2,399,194; Apr. 30.
- Tin, Electrodeposition of. E. W. Schweikher. 2,407,579; Sept. 10.
- Tin plating. N. F. Blackburn. 2,406,189; Aug. 20.
- Tip, Crutch. L. L. Brown. 2,403,632; July 9.
- Tip, Torch. A. F. Jenkins. 2,392,593; Jan. 8.
- Tire. C. F. Crumb. 2,405,688; Aug. 13.
- Tire. J. H. Doering and R. H. McCarroll. 2,405,943; Aug. 20.
- Tire. M. M. Itscovich. 2,400,047; May 7.
- Tire buffing machine. P. E. Hawkinson. 2,392,667; Jan. 8.
- Tire building apparatus (bead setting). H. D. Stevens. 2,393,504; Jan. 22.
- Tire building drum. W. B. Freeman and R. E. Lindemann. 2,413,445; Dec. 31.
- Tire building machine. C. S. McChesney. 2,394,464; Feb. 5.
- Tire building machine. F. S. Sternad. 2,395,020; Feb. 19.
- Tire chain. G. E. Roff. 2,396,532; Mar. 12.
- Tire chain applying device. T. C. Reese. 2,395,013; Feb. 19.
- Tire construction. W. S. Cohen. 2,404,579; July 23.
- Tire construction. F. W. Manning. 2,411,659; Nov. 26.
- Tire, C. H. Gibson. F. L. Hushalter. 2,393,161; Jan. 15.
- Tire cutting machine. E. G. Mascarenhas. 2,394,392; Feb. 5.
- Tire for airplane wheels. R. J. Smith. 2,403,309; July 2.
- Tire handling stand. O. V. Teegarden. 2,413,010; Dec. 24.
- Tire inflating and testing device. J. Forbragd. 2,408,976; Oct. 8.
- Tire, Nonskid. P. R. McCrary. 2,400,428; May 14.
- Tire ply turn down mechanism. C. S. McChesney. 2,396,186; Mar. 5.
- Tire ply turning mechanism. C. S. McChesney. 2,394,318; Feb. 5.
- Tire prerotating device. B. L. Crosby. 2,412,033; Dec. 3.
- Tire preserver. W. C. Carlton. 2,407,473; Sept. 10.
- Tire, Producing a renewable tread. A. E. Brickman. 2,401,045; May 28.
- Tire rack. F. L. Sargent and W. J. Crader. 2,404,534; July 23.
- Tire removing and spreading device. C. A. Talley and W. E. Grisham. 2,401,118; May 28.
- Tire removing apparatus. G. F. Cooley. 2,406,996; Sept. 3.
- Tire removing tool. W. H. McCollister. 2,404,583; July 23.
- Tire shield. J. A. Jordan, Jr. 2,397,741; Apr. 2.
- Tire spreader. A. E. Jennings. 2,397,863; Apr. 2.

- Tire, Steel spring spoke. J. V. Martin. 2,404,974; July 30.
- Tire stock, Production of raw. W. G. M. Peare and G. H. B. Yoxon. 2,411,693; Nov. 26.
- Tire tool. S. F. Corbell. 2,402,022; June 11.
- Tire tool. J. E. Schumann. 2,399,146; Apr. 23.
- Tire tread cover. M. Castricum. 2,392,577; Jan. 8.
- Tires, Building pneumatic. J. I. Haase. 2,407,152; Sept. 3.
- Tires with liquid, Filling. W. W. McMahan. 2,401,950; June 11.
- Tissue, Preparing. E. C. Weiskopf. 2,393,580; Jan. 22.
- Titanium compounds, Production of. R. L. McCleary. 2,410,119; Oct. 29.
- Titanium dioxide, Developing pigment properties of. D. B. Paul. 2,397,430; Mar. 26.
- Titanium dioxide pigment, Preparation of. A. Pechukas and G. Atkinson. 2,394,633; Feb. 12.
- Titanium oxide pigment production. J. L. Keats. 2,406,465; Aug. 27.
- Titanium solutions, Production of stable. R. M. McAdam. 2,413,640-1; Dec. 31.
- Titanium tetrachloride, Production of. P. S. Brallier. 2,401,543; June 4.
- Titanium tetrachloride, Purification of. S. S. Cole and W. F. Meister. 2,396,458; Mar. 12.
- Titanium tetrachloride, Purification of. B. C. Meyers. 2,412,349; Dec. 10.
- Toaster. O. V. Malmquist. 2,410,985; Nov. 12.
- Toaster. V. Mazzarisi. 2,408,263; Sept. 24.
- Toaster, Automatic. P. J. McCullough and C. H. Steuber. 2,404,976; July 30.
- Toaster structure, Bread. P. J. McCullough. 2,404,915; July 30.
- Toasting apparatus, Automatic bread. R. J. Anderson. Re. 22,781; Aug. 20.
- Tobacco, Formula, for treating. E. H. Constantine. 2,399,911; May 7.
- Tobacco pipe. K. Vonnegut. 2,395,596; Feb. 26.
- Tocopherol-like compounds, Producing. L. I. Smith. 2,397,212; Mar. 26.
- Toggle fastening means for, floating closures. H. Wolcott. Re. 22,798; Oct. 1.
- Toggle lock. A. W. Gelpcke. 2,398,220; Apr. 9.
- Toggle system for injection molding machines. T. H. Eyles. 2,407,978; Sept. 24.
- Toilet. D. B. Hunter. 2,396,177; Mar. 5.
- Toilet implements. C. U. Maepna. 2,410,352; Oct. 29.
- Toilet or the like, Cabinet. J. H. Dyett. 2,406,750; Sept. 3.
- Toilet roll dispenser. E. Agamaitte, Jr. 2,410,328; Oct. 29.
- Toilet seat. W. Nyberg. 2,392,544; Jan. 8.
- Toilet, Ventilating, and deodorizing. F. L. Owens. 2,406,507; Aug. 27.
- Toilets, Infant's folding seat attachment for. A. B. Muller. 2,402,832; June 25.
- Token. W. E. Snell, H. E. Frantz, Jr., and F. A. Hignutt. 2,410,845; Nov. 12.
- Toluene, Azeotropic distillation. H. C. Reed and B. M. Holt. 2,413,245; Dec. 24.
- Toluene from oils, Recovery of. C. R. Clark. 2,407,364; Sept. 10.
- Toluene, Manufacture of. G. B. Arnold. 2,399,781; May 7.
- Toluene, Manufacturing. D. G. Brandt. 2,398,074; Apr. 9.
- Toluene process. J. C. Bailie and R. V. Shankland. 2,408,724; Oct. 8.
- Toluene, Producing. N. F. Linn. 2,405,660; Aug. 13.
- Toluene, Production of. V. N. Ipatieff and G. S. Monroe. 2,404,498; July 23.
- Toluene, Purification of. W. L. Rippeteau, Jr. 2,412,010; Dec. 3.
- Toluene, Recovery of. C. R. Clark. 2,397,839; Apr. 2.
- Toluene, Separating. T. B. Kimball. 2,410,166; Oct. 29.
- Toluol, Production of. G. E. Liedholm and F. M. McMillan. 2,392,530; Jan. 8.
- Toluol, Production of. F. M. McMillan and G. E. Liedholm. 2,392,898; Jan. 8.
- Tomato juice, Treating. H. L. Smith, Jr., and W. E. Conley, Jr., and W. L. Atwood. 2,392,197; Jan. 1.
- Tomato product, Producing dried. E. F. Glabe. 2,392,241; Jan. 1.
- Tone control. E. B. Passow. 2,393,184; Jan. 15.
- Tong, Pipe. C. A. Lundeen. 2,392,931; Jan. 15.
- Tong, Pipe. W. J. Wilson. 2,406,520; Aug. 27.
- Tongs, Adjustable. J. A. Hunter and H. E. Muller, Sr. 2,394,779; Feb. 12.
- Tongs, Clothes. P. M. Peterson. 2,397,288; Mar. 26.
- Tongs, Hand electric welding. J. S. McLean. 2,396,870; Mar. 19.
- Tongs, Lifting. J. Bergren. 2,402,529; June 25.
- Tongs, Safety. J. R. Duarte. 2,411,319; Nov. 19.
- Tongue cleaning device. I. B. Gallanty and R. M. Larsen. 2,405,029; July 30.
- Tongue for trailers, Draft. H. G. Hiniker. 2,397,964; Apr. 9.
- Tongue, Wagon, trailer and implement. K. G. Myers. 2,404,521; July 23.
- Tonsorial device. N. Holsclaw. 2,409,281; Oct. 15.
- Tool: Sae—
- Abrading and polishing tool.
- Abrasive tool.
- Alignment tool.
- Automatic pattern controlled machine tool.
- Battery removing tool.
- Bearing removing tool.
- Brake shoe tool.
- Broaching tool.
- Burling tool.
- Cabinet finishing tool.
- Cable stripping tool.
- Chain link tool.
- Clamp operating tool.
- Clip forming and assembly tool.
- Clip squeezing tool.
- Combination hand tool.
- Combination tool.
- Countersink bevel recessing tool.
- Cover removing tool.
- Cross-lever tool.
- Cultivating tool.
- Curb tool.
- Cutting tool.
- Cylinder grinding tool.
- Dental tool.
- Diamond tool.
- Diffraction grating tool.
- Dimpling tool.
- Driving tool.
- Electric soldering, brazing, and like tool.
- Firearm bolt tool.
- Fire tool.
- Fluid actuated tool.
- Form tool.
- Grinding and polishing tool.
- Grommet crimping tool.
- Grooving tool.
- Hand tool.
- Hole tool.
- Honing tool.
- Hose mending tool.
- Hydraulically controlled machine tool.
- Insert securing tool.
- Inserted tooth tool.
- Inspection tool.
- Iron. H. Browning. 2,395,450; Feb. 26.
- Tool. J. P. Catlin, G. R. Eckstein, and M. B. Vordahl. 2,394,842; Feb. 12.
- Tool. E. E. Clark. 2,400,684; May 21.
- Tool. H. E. Dickerman. 2,404,793; July 30.
- Tool. H. J. Engbecht. 2,406,326; Aug. 27.
- Tool. G. W. Hughes and V. Borgesen. 2,393,777; Jan. 29.
- Tool. D. Lubetsky. 2,403,666; July 9.
- Tool. R. W. Luce. 2,399,442; Apr. 30.
- Tool. R. Martines. 2,410,859; Nov. 12.
- Tool. W. S. Miles and P. A. Voigt. 2,402,426; June 18.
- Tool. A. Rober. 2,393,413; Jan. 22.
- Tool. R. C. Swengel. 2,411,838; Nov. 26.
- Tool. W. Tomick. 2,400,177; May 14.
- Tool. Z. C. Van Schwartz. 2,404,586; July 23.
- Tool adapter, Rotary. R. Burk. 2,407,471; Sept. 10.
- Tool and making the same, Wheel dressing. W. Ludel. 2,404,184; July 16.
- Tool and producing same, Industrial diamond. B. Brenner. 2,411,867; Dec. 3.
- Tool and to serving means for working on seams between planks. P. J. McCarthy. 2,394,088; Feb. 5.
- Tool attachment. W. E. Berger. 2,392,571; Jan. 8.
- Tool blades, Making. R. Harte. 2,399,801-2; May 7.
- Tool chuck. A. Thomas. 2,404,006; July 16.
- Tool control, Pivotal. H. S. Jakobsen. 2,400,825; May 21.
- Tool dressing fixture. E. A. Brown. 2,411,709; Nov. 26.
- Tool drive. E. C. Scott. 2,395,586; Feb. 26.
- Tool for cutting asbestos-cement board or the like. J. W. Swenson. 2,395,978; Mar. 5.
- Tool for installing conduit clips. E. M. Morehouse. 2,409,784; Oct. 22.
- Tool for installing nut plates or the like. J. Davis. 2,405,779; Aug. 13.
- Tool for installing tubular rivets. W. G. Mitchell. 2,403,075; July 9.
- Tool for metal engraving, Hand. P. Vitoux. 2,392,560; Jan. 8.
- Tool for metal turning and the like, Machine. H. J. Longley. 2,397,798; Apr. 2.
- Tool for producing face clutches, Method and. E. Wildhaber. 2,410,913; Nov. 12.
- Tool for removing wax from beehive frames. R. H. Volgenau and J. M. Hooe. 2,413,394; Dec. 31.
- Tool for trenails and dowels, Recess. E. C. Swanson and C. O. R. Rudeen. 2,394,726; Feb. 12.
- Tool for valve bodies, Reseating. G. R. Gilkey. 2,397,000; Mar. 19.
- Keyseating tool.
- Light tool.
- Livestock marking tool.
- Machine tool.
- Measuring tool.
- Metal-cutting tool.
- Metal working tool.
- Milling tool.
- Mortise gauge and cutting tool.
- Ning, Inserting tool.
- Oil well tool.
- Paperhanger's tool.
- Percussion tool.
- Percussion tool.
- Pneumatic tool.
- Portable electric tool.
- Portable-motor driven tool.
- Pressure fluid driven tool.
- Pump unit for impact tool.
- Reciprocating tool.
- Rivet setting tool.
- Riveting tool.
- Rotary cutting tool.
- Rotary disk abrading tool.
- Sandblast tool.
- Seat dressing tool.
- Setting and releasing tool.
- Severing tool.
- Side wall sampling tool.
- Slag cleaning tool.
- Special tool.
- Spinning tool.
- Spot facing tool.
- Tubing moving tool.
- Tire tool.
- Torque indicating tool.
- Torque measuring tool.
- Tube bending tool.
- Tubing expanding tool.
- Undercutting tool.
- Unitary boring and countersinking tool.
- Valve seat grinding tool.
- Watch case tool.
- Welding tool.
- Watchmaker's tool.
- Well defecting tool.
- Well tool.
- Wire twisting tool.
- Work illuminating tool.

- Tool for wire anchors, Forming. T. A. Hutsell. 2,397,739; Apr. 2.
- Tool handle remover. W. D. Snowman. 2,402,923; June 25.
- Toolholder. J. P. Cassia, Jr. 2,391,878; Jan. 1.
- Tool holder. W. Mauch. 2,408,567; Oct. 1.
- Toolholder. R. P. Newcomer, Jr., and C. E. Adreon. 2,395,751; Feb. 26.
- Toolholder. J. H. Palmer. 2,400,368; May 14.
- Toolholder. P. O. Welch. 2,399,966; May 7.
- Tool holding means for automatic screw machines. J. R. Smith. 2,412,737; Dec. 17.
- Tool holding means. Retractable. E. C. Freisen. 2,412,038; Dec. 3.
- Tool kit, Pocket. J. A. Skaer. 2,413,082; Dec. 24.
- Tool lifting and lowering device. A. J. Ducker. 2,413,299; Dec. 31.
- Toolmaker's angle block. T. E. V. Hunt. 2,409,936; Oct. 22.
- Tool, Making dental polish. G. A. Chott. 2,393,751; Jan. 20.
- Tool mechanism, Impact. C. H. Richards. 2,408,228; Sept. 24.
- Tool mounting. M. D. Dzama. 2,393,314-15; Jan. 22.
- Tool structure, Machine. F. A. Fritsch. 2,408,841; Oct. 1.
- Tool with photoelectric positioning of the work table, Machine. M. Koulicvitch. 2,406,299; Aug. 20.
- Tools and the like, Electroplating and treating cutting edge. A. E. Lundbye. 2,411,327; Nov. 19.
- Tools, Controlling means for fluid operated machine. A. H. Orcutt. 2,412,284; Dec. 10.
- Tools, Lock devices for well. R. C. Baker. 2,400,970; May 28.
- Tools, Operation controlling pressure fluid actuated. E. H. Shaft. 2,402,212; June 18.
- Tools, Toolhead for machine. P. S. Jackson. 2,398,791; Apr. 23.
- Tools, Work holder for machine. J. J. Daniels. 2,398,924; Apr. 23.
- Tooth and anchor therefor, Artificial. J. Breyer. 2,394,659; Feb. 12.
- Tooth and mount therefor, Artificial. J. A. Safir. 2,398,671; Apr. 16.
- Tooth, Artificial. F. M. Butler. 2,397,407; Mar. 26.
- Tooth, Artificial. J. A. Safir. 2,391,925; Jan. 1.
- Tooth, Artificial. J. A. Safir. 2,402,259; June 18.
- Tooth, Artificial. J. C. Tighe. 2,404,327; July 16.
- Toothbrush. E. Aaron. 2,411,610; Nov. 26.
- Toothbrush. D. R. Allen. 2,396,548; Mar. 12.
- Toothbrush holder. G. A. Gibson, Jr. 2,413,306; Dec. 31.
- Toothbrushes, Supporting rack for. H. F. Tucker. 2,400,445; May 14.
- Tooth, Crown type. S. Myerson. 2,413,333; Dec. 31.
- Tooth, Detachable bucket. H. W. Page. 2,393,706; Jan. 22.
- Tooth, Excavating. H. C. Hettelsater. 2,403,078; July 2.
- Top. S. L. Long. 2,408,262; Sept. 24.
- Top. G. S. Nalle, Jr. 2,394,093; Feb. 5.
- Top, Automatic. S. J. Weeks. 2,408,132; Sept. 24.
- Top, Trailer. D. E. Bramble. 2,406,737; Sept. 3.
- Topper for beets and the like. D. G. Grew. 2,406,013; Aug. 20.
- Torch. Le R. B. High and J. B. Harmon. 2,405,952; Aug. 20.
- Torch. G. L. Walker. 2,396,765; Mar. 19.
- Torch beveling apparatus. C. Mott and G. V. Wallace, Jr. 2,412,281; Dec. 10.
- Torch, Cam-action arc-oxygen underwater cutting. G. W. Waterman. 2,396,307; Mar. 12.
- Torch, Flame hardening. H. G. Hughey. 2,407,370; Sept. 10.
- Torch for welding thermoplastic material. W. M. Phillips, Jr. 2,396,968; Mar. 19.
- Torch, Gas. J. J. Crowe. 2,398,884; Apr. 23.
- Torch, Gas. P. Wilson. 2,394,349; Feb. 5.
- Torch, Gas-arc hand. G. Richardson and J. Horlick. 2,411,465; Nov. 19.
- Torch tip. A. P. Jenkins. 2,392,386; Jan. 8.
- Torch, Underwater cutting. F. N. Windsor. 2,396,546; Mar. 12.
- Torpedo. N. M. Hopkins. 2,404,908; July 30.
- Torpedo, Aerial. R. A. Bailey. 2,401,855; June 11.
- Torpedo antenna, Control of. J. H. Hammond, Jr. 2,396,463; Mar. 12.
- Torpedo control by multiple channel selector. E. S. Purington. 2,413,066; Dec. 24.
- Torpedo control by timing selector. E. S. Purington. 2,413,067; Dec. 24.
- Torpedo defense and the like. D. M. O'Dwyer. 2,395,422; Feb. 26.
- Torpedo director. R. E. Crooke. 2,402,024-5; June 11.
- Torpedo director. E. P. Ross. 2,402,088; June 11.
- Torpedo exploding mechanism. C. T. Minkler. 2,397,678; Apr. 2.
- Torpedo firing mechanism, Magnetically controlled. C. T. Minkler. 2,398,801; Apr. 23.
- Torpedo protector for ships. R. W. McCarter. 2,398,753; Apr. 16.
- Torpedoes, Guiding means for self-propelled. R. W. King. 2,409,632; Oct. 22.
- Torque converter transmission, Automatic. C. D. Peterson and A. H. Deim. 2,397,863; Apr. 2.
- Torque drive, Torque-controlled liquid. B. F. Kenyon. 2,400,121; May 14.
- Torque exerting means. L. F. Carter and F. West, Jr. 2,412,204; Dec. 10.
- Torque gauge. G. E. McVey. 2,411,931; Dec. 3.
- Torque indicating tool. N. C. Collins. 2,400,978; May 28.
- Torque measuring apparatus. A. C. Ruge. 2,392,293; Jan. 1.
- Torque measuring instrument. D. R. Platt and C. S. Jackoski. 2,392,260; Jan. 1.
- Torque measuring tool. D. R. Platt and R. Unterschultz. 2,394,634; Feb. 12.
- Torque meter. A. W. Gardiner and J. L. Goldthwaite. 2,397,935; Apr. 9.
- Torque-meter. A. C. Ruge. 2,403,952; July 16.
- Torque-responsive clutch. L. M. Osterstuck. 2,413,466; Dec. 31.
- Torque transmitting mechanism. A. Y. Dodge. 2,404,623; July 23.
- Torque wrench. P. M. Birk. 2,404,029; July 16.
- Torque wrench. A. L. Cornwell. 2,409,545; Oct. 15.
- Torque wrench. E. C. Hartley. 2,393,681; Jan. 29.
- Torque wrench. F. W. Livermont. 2,400,205; May 14.
- Torque wrench. D. S. Oliver and J. Kanuch. 2,408,335; Sept. 24.
- Torque wrench. J. and G. M. Reilly. 2,407,450; Sept. 10.
- Torque wrench. T. O. Reub. 2,398,330; Apr. 9.
- Torsiograph. L. F. Hope. 2,399,635; May 7.
- Torsiograph. T. S. Wilson and R. Zdanowich. 2,412,548; Dec. 10.
- Torsion spring suspension. W. M. Brown. 2,413,212; Dec. 24.
- Torsion-rod springing of tandem-axle vehicle. J. G. Holmstrom and W. M. Brown. 2,395,183; Feb. 19.
- Torsion valve spring. A. Chilton. 2,398,207; Apr. 9.
- Torsional vibrations, Detecting and measuring. R. Stansfeld. 2,399,569; Mar. 12.
- Torsional vibrator electric motor. W. D. Swallow. 2,413,340; Dec. 31.
- Totalizer. F. D. Burns. 2,393,748; Jan. 29.
- Totalizing system, Electrical. C. A. de Giers. 2,411,712; Nov. 26.
- Towel rack. C. Gaffney. 2,401,148; May 28.
- Towel rack. T. W. Mullen. 2,408,869; Oct. 8.
- Tower construction. H. Cohen. 2,404,276; July 16.
- Tower for drying parachutes. A. B. Waterman. 2,406,724; Aug. 27.
- Tower, Forced draft cooling. J. B. Baird. 2,403,841; July 9.
- Tower, Mobile. I. J. Kuert. 2,406,335; Aug. 27.
- Tower or column, Scrubbing. C. B. Smith and H. L. Bullock. 2,392,705; Jan. 8.
- Tower or mast. H. Cohen. 2,401,229; May 28.
- Tower or mast. H. Cohen. 2,403,668; Aug. 27.
- Tower, Packed. E. D. Strickland. 2,394,023; Feb. 5.
- Tower, Radio antenna. E. W. Riemenschneider and H. O. Rastetter. 2,401,799; June 11.
- Tower, Transport. M. E. Phillips. 2,408,151; Sept. 24.
- Tower unit, Bubble. J. A. O'Brien. 2,398,953; Apr. 23.
- Towline plug. A. Vaszin. 2,402,104; June 11.
- Towline, Shock absorbing aerial. R. C. du Pont. 2,407,634; Sept. 17.
- Tow-wheel jack. C. F. Stalcup. 2,392,955; Jan. 15.
- Toxic composition. T. W. Evans. 2,411,566; Nov. 26.
- Toy. J. G. Bezark. 2,401,455; June 4.
- Toy. A. Brand. 2,410,627; Nov. 5.
- Toy. J. A. Brewer. 2,398,615; Apr. 16.
- Toy. T. R. Bush. 2,399,983; May 7.
- Toy. C. E. Carlsen. 2,393,289; Jan. 22.
- Toy. C. E. Cohen. 2,411,614; Nov. 26.
- Toy. E. and E. Conrad. 2,398,920; Apr. 23.
- Toy. H. J. Criner. 2,399,839; Oct. 22.
- Toy. V. D. Desmond. 2,399,333; Apr. 30.
- Toy. V. Edmonds. 2,397,779; Apr. 2.
- Toy. R. P. Ellis. 2,404,377; July 23.
- Toy. C. E. Gardiner. 2,402,390; June 18.
- Toy. C. Genjack. 2,395,179; Feb. 19.
- Toy. S. G. Greenwood. 2,401,866; June 11.
- Toy. T. Heil. 2,408,141; Sept. 24.
- Toy. J. Holjowski. 2,395,549; Feb. 26.
- Toy. K. W. Johnson. 2,399,638; May 7.
- Toy. P. O. Kaisler. 2,395,277; Feb. 19.
- Toy. W. M. Lester and L. Reisher. 2,397,552; Apr. 2.
- Toy. J. Lowell and B. C. Berg. 2,400,013; May 7.
- Toy. J. F. Martin, Jr. and E. Jastrzebski. 2,398,023; Apr. 9.
- Toy. J. F. Martin, Jr. and H. O. Noder. 2,398,024; Apr. 9.
- Toy. J. F. Martin, Jr., and L. J. Rudzinski. 2,398,025; Apr. 9.
- Toy. D. Owen. 2,399,566; Apr. 30.
- Toy. L. Z. Plebanek. 2,392,547; Jan. 8.
- Toy. E. H. Shapiro. 2,402,081; June 11.
- Toy. E. H. Rayburne, I. Thomas, and J. Hohl. 2,411,596; Nov. 26.
- Toy. D. Sullivan. 2,412,769; Dec. 17.
- Toy. S. M. Suyat. 2,400,175; May 14.
- Toy, Acrobatic. F. C. Disc. 2,403,509; July 9.
- Toy, Airplane. M. A. Brossel. 2,409,471; Oct. 15.
- Toy airplane. A. B. Mull. 2,407,720; Sept. 17.

- Toy airplane. F. D. Myers. 2,397,364; Mar. 26.
 Toy airplane. S. Orkin. 2,398,397; Apr. 16.
 Toy airplanes. Landing gear for. H. E. Shaeffer. 2,403,129; July 2.
 Toy, Animal. M. Herrmann. 2,396,654; Mar. 19.
 Toy, Animal kicking. O. A. Dishmaker. 2,400,980; May 28.
 Toy, Animated. A. L. Bresch. 2,401,456; June 4.
 Toy apparatus. J. Maibaum. 2,396,382; Mar. 12.
 Toy, Ball push. O. A. Dishmaker. 2,400,981; May 28.
 Toy blower. W. Williams. 2,411,490; Nov. 19.
 Toy bomber airplane. F. J. Martin. 2,405,318; Aug. 6.
 Toy, Carillon. J. H. Lee. 2,397,794; Apr. 2.
 Toy, Child's wheeled. R. L. Schultz. 2,418,874; May 28.
 Toy clock. F. Porcelli. 2,406,251; Aug. 20.
 Toy, Construction. B. R. Glukes. 2,406,759; July 3.
 Toy, Educational. R. C. Lewis. 2,395,129; Feb. 19.
 Toy element, Construction. E. W. Farmer. 2,410,409; Nov. 5.
 Toy figure, Jointed. R. E. Paige. 2,400,208; May 14.
 Toy fisherman. L. C. Kester. 2,406,466; Aug. 27.
 Toy flying machine. H. E. Shaeffer. 2,408,275; Sept. 24.
 Toy, Flying propeller. J. L. Friedman. 2,410,726; Nov. 5.
 Toy glider. H. S. Blandford. 2,396,312; Mar. 12.
 Toy gun. S. Binks. 2,405,341; Aug. 6.
 Toy gun. A. C. Cimaglia. 2,398,915; Oct. 8.
 Toy gun. J. A. Sigs. 2,399,149; pr. 23.
 Toy gun. A. S. Teagarden. 2,394,821; Feb. 12.
 Toy gun. M. Wims. 2,413,090; Dec. 24.
 Toy helicopter. R. S. Moore. 2,400,704; May 21.
 Toy high diving apparatus, Mechanical. A. B. Carmichael, Sr. 2,402,949; July 2.
 Toy holster for guns. H. Paley. 2,408,678; Oct. 1.
 Toy house. A. A. Nu Dell. 2,413,152; Dec. 24.
 Toy, Jet propelled. N. R. Richardson. 2,410,682; Nov. 5.
 Toy, Knockdown. H. Greenberg and J. J. O'Connell. 2,410,874; Nov. 12.
 Toy, Knockdown. L. Segal. 2,410,875; Nov. 12.
 Toy, Mechanical. E. V. Fibrun. 2,409,028; Oct. 8.
 Toy, Mechanical. I. V. Fishel. 2,406,283; Aug. 20.
 Toy, Mechanical. W. Jaffa. 2,397,268; Mar. 26.
 Toy, Musical. J. Clayman. 2,396,250; Mar. 12.
 Toy, Noise-making airplane. H. Zimmerman. 2,404,265; July 16.
 Toy, One piece third dimension cut out. H. M. and H. F. Chu. 2,412,321; Dec. 10.
 Toy Pistol. M. Jarnagin. 2,401,485; June 4.
 Toy pistol. W. G. Kelly. 2,395,001; Feb. 19.
 Toy pistol. W. E. Lawson, Sr. 2,408,984; Oct. 8.
 Toy, Puzzle bank. N. Kaplan. 2,398,011; Apr. 9.
 Toy railway car, Turn-tilt, unloading. R. G. Smith. Re. 22,817; Dec. 11.
 Toy, Recreational roller. T. Thompson. 2,403,885; July 9.
 Toy rocket gun. L. H. Amdur. 2,409,653; Oct. 22.
 Toy, Rocking. R. G. Schneider. 2,409,803; Oct. 22.
 Toy, Rope-jumping. O. K. Ramoy. 2,411,756; Nov. 26.
 Toy, Shadow motion. H. C. Schultz. 2,400,605; May 21.
 Toy ski jumper. K. Graetz. 2,404,572; July 23.
 Toy, Smoke producing. J. L. Bonanno. 2,413,284; Dec. 31.
 Toy, Sounding. L. L. Tolson. 2,397,061; Mar. 19.
 Toy, Spinning. H. A. Loomis. 2,397,674; Apr. 2.
 Toy, Striker. W. V. Goldstein and L. Shooman. 2,403,522; July 9.
 Toy, Structural. E. M. Roach. 2,408,272; Sept. 24.
 Toy submarine. F. Sabini. 2,405,715; Aug. 13.
 Toy telephone. F. A. Zibelman. 2,399,972; May 7.
 Toy, Tightrope walking. L. H. Burlin. 2,392,721; Jan. 8.
 Toy top. R. P. Cordon. 2,404,947; July 30.
 Toy track. W. J. Martin. 2,399,876; May 7.
 Toy typewriter. J. L. Banks. 2,409,237; Oct. 15.
 Toy typewriter. S. L. Berger. 2,398,765; Apr. 23.
 Toy vehicle. E. W. Baggett. 2,399,614; May 7.
 Toy vehicle. G. Lindgren. 2,404,506; July 23.
 Toy, Water. V. H. Hurt. 2,404,729; July 23.
 Toy, Wheeled. A. B. Carmichael. 2,399,910; May 7.
 Toy, Wheeled. J. J. Dahlstrom. 2,398,290; Apr. 9.
 Toy, Wheeled. A. Finn and L. Rostoker. 2,410,646; Nov. 5.
 Toy, Wheeled. E. W. Lucas. 2,395,230; Feb. 19.
 Toy, Wheeled. P. Mariani. 2,404,186; July 16.
 Toy with menagerie, blocks, Constructional. A. C. Gilbert. 2,398,225; Apr. 9.
 Tracer control. W. W. Wikie and E. G. Franklin. 2,395,525; Feb. 26.
 Tracer controlled position finder. C. R. Hanna and W. O. Osborn. 2,397,108; Mar. 26.
 Trachea connection. O. Roberts. 2,405,851; Aug. 13.
 Track for self-laying track type vehicle. C. W. Legullion and A. H. Krotz. 2,409,502; Oct. 15.
 Track for track-laying vehicles. T. J. Hollenkamp. 2,392,383; Jan. 8.
 Track for track laying vehicles. R. M. Knight. 2,410,907; Nov. 5.
 Track for vehicles, Endless. T. D. Campbell. 2,412,122; Dec. 3.
 Track for vehicles, Endless. E. H. W. Foot. 2,398,630-1; Apr. 16.
 Track laying apparatus, Method and apparatus for grounding. F. L. Haushalter. 2,396,848; Mar. 19.
 Tracklaying vehicle. P. H. Johnson. 2,410,739; Nov. 5.
 Track structure for model railways. G. Varney. 2,405,533; Aug. 6.
 Tracking apparatus. M. Knobel. 2,407,886; Sept. 17.
 Traction and load supporting wheel. F. L. White. 2,395,383; Feb. 19.
 Traction appliance for wheels. G. G. Guinn. 2,394,995; Feb. 19.
 Traction device. W. B. Lawrence. 2,397,277; Mar. 26.
 Traction unit for tractor wheels, Demountable. W. E. Wine. 2,408,591; Oct. 1.
 Tractor. C. A. Hedglen. 2,400,505; May 21.
 Tractor. W. T. Saxon. 2,411,061; Nov. 12.
 Tractor, Agricultural. H. Hutchings. 2,404,442; July 23.
 Tractor, Agricultural. A. E. W. Johnson. 2,413,355; Dec. 31.
 Tractor and earth working combination unit. M. S. Ariens. 2,402,008; June 11.
 Tractor and tank track. H. F. Kreck. 2,392,988; Jan. 15.
 Tractor drawn freight hauling car. C. Nicodemus. 2,405,161; Aug. 6.
 Tractor frame and drive shaft bearing structure therein. D. B. Baker and W. O. Bechman. 2,397,910; Apr. 9.
 Tractor fuel and making same. R. V. Shankland. 2,395,976; Mar. 5.
 Tractor, Garden. A. J. Raitch. 2,401,796; June 11.
 Tractor, Generator mounting. H. L. Brock and G. L. Simpkins. 2,392,573; Jan. 8.
 Tractor implement. E. V. Moran. 2,404,518; July 23.
 Tractor-implement combination. R. B. Laird and L. H. Gonella. 2,411,277; Nov. 19.
 Tractor jack. A. E. W. Johnson and J. R. Orelaud. 2,410,945; Nov. 12.
 Tractor loader. N. C. Woodin. 2,394,830; Feb. 12.
 Tractor, Monorail. G. F. Goga. 2,394,168; Feb. 5.
 Tractor-mounted implement. C. W. Mott. 2,409,509; Oct. 15.
 Tractor, mounted implement. S. D. Pool and R. D. Downing. 2,401,183; May 28.
 Tractor or traction wheel. G. Melling, Sr. 2,401,577; June 4.
 Tractor, Snow. A. M. Cochran. 2,393,309; Jan. 22.
 Tractor track chain. W. W. Porter. 2,392,406; Jan. 8.
 Tractor tread dismantler. P. W. Matthews. 2,392,251; Jan. 1.
 Tractor, Two-wheeled handle guide. H. S. Lendermon. 2,408,937; Oct. 8.
 Tractor, Walking. E. C. Wilson, H. F. Stock, and G. B. Hefflinger. 2,399,417; Apr. 30.
 Tractors, Clutch structure for crawler. R. D. Acton. 2,403,322; July 2.
 Tractors, Load handling attachment for. N. N. Sauder. 2,398,119; Apr. 9.
 Tractors, Material handling attachment for. F. and H. Horning. 2,407,425; Sept. 10.
 Tractors, Scoop or grading attachment for farm. J. K. Pickens. 2,401,661; June 4.
 Traffic control system. J. Baumfalk. 2,395,798; Mar. 5.
 Traffic light. F. T. Powers. 2,402,206; June 18.
 Traffic light. E. T. Powers. 2,407,352; Sept. 10.
 Traffic signal. W. J. Leppert. 2,401,171; May 28.
 Traffic signal. B. P. Rucker. 2,396,971; Mar. 19.
 Trail jack. T. O. Davidson. 2,412,971; Dec. 24.
 Trailer. G. Godwin. 2,405,299; Aug. 6.
 Trailer. R. E. Ostlund. 2,400,253; May 14.
 Trailer and hitch. Bicycle. R. G. Viner. 2,394,277; Feb. 5.
 Trailer and tractor safety lock. R. J. Brown. 2,400,738; May 21.
 Trailer attachment, Boat. L. W. Davis. 2,410,570; Nov. 5.
 Trailer brake. C. Buckel. 2,394,840; Feb. 12.
 Trailer brake. J. T. Horne. 2,407,156; Sept. 3.
 Trailer, Caster. J. J. Black. 2,404,121; July 16.
 Trailer, Combination stock and gasoline. E. F. Crosby. 2,395,039; Feb. 19.
 Trailer coupling. H. C. Riemann and J. R. Thorp. 2,392,063; Jan. 1.
 Trailer, Dual axle. W. L. Keehn. 2,408,561; Oct. 1.
 Trailer hitch. F. N. Roth. 2,394,207; Feb. 5.
 Trailer structure. W. F. Aycock. 2,404,898; July 30.
 Trailer, Vehicle. E. F. King. 2,408,401; Oct. 1.
 Train recorder for railway dispatching systems, Electric. W. D. Hailes and J. F. Merkel. 2,394,172; Feb. 5.
 Trainer, Airplane flight. T. C. Barber. 2,409,238; Oct. 15.
 Trainer, Pilot. W. H. Hutter. 2,409,938; Oct. 22.
 Training apparatus. L. G. Simjian. 2,392,781; Jan. 8.
 Training apparatus. L. G. Simjian. 2,401,975; June 11.
 Training device. R. E. Kittredge. 2,396,857; Mar. 19.
 Training device. W. F. Mason. 2,405,591; Aug. 13.
 Trains of electric impulses, Arrangement for receiving predetermined. G. C. Hartley, L. P. Lowry, and F. H. Bray. 2,406,834; Sept. 3.
 Transceiver for sound, Directive. H. C. Hayes. 2,406,767; Sept. 3.
 Transconductance device and circuit, Negative. M. G. Crosby. 2,396,088; Mar. 5.
 Transcribing device. H. R. Montague. 2,410,835; Nov. 12.
 Transducer. D. R. Christian. 2,402,531; June 25.
 Transducer. S. B. Collins. 2,395,166; Feb. 19.
 Transducer. F. Massa. 2,413,462; Dec. 31.

- Transducer, Piezoelectric. H. Benloff. 2,405,187; Aug. 6.
 Transducer system. C. M. Sinnett. 2,411,008; Nov. 12.
 Transducer system. H. J. Woll. 2,412,023; Dec. 3.
 Transfer. T. S. Reese. 2,397,623; Apr. 2.
 Transfer and assembly mechanism. G. Dorothea and G. C. Arnott. 2,398,293; Apr. 9.
 Transfer apparatus. Fluid. W. F. Tsch. 2,405,466; Aug. 6.
 Transfer. Article. A. C. Gaulin. 2,402,035; June 11.
 Transfer construction for electrolytic cells. Heat. L. E. Lighton. 2,410,952; Nov. 12.
 Transfer device. A. G. Telford. 2,409,400; Oct. 15.
 Transfer device. Fluid. L. W. Vizay. 2,401,674; June 4.
 Transfer material. W. and F. Heinicke. 2,400,564; Oct. 15.
 Transfer means. Heat. W. H. Farr and J. P. Tarbox. 2,401,235; May 28.
 Transfer mechanism. K. F. Lehmann. 2,393,997; Feb. 5.
 Transfer mechanism. D. Ray. 2,395,146; Feb. 19.
 Transfer mechanism, Cone jacket. M. Glassner. 2,413,446; Dec. 31.
 Transfer switch. W. D. Kyle, Jr., and A. V. Ryan. 2,399,044; Apr. 23.
 Transfer unit. Load. J. Jacobson. 2,401,763; June 11.
 Transferring device. Loop. H. C. Mills. 2,411,452; Nov. 19.
 Transformer. C. P. Boucher. 2,391,873; Jan. 1.
 Transformer apparatus. C. P. Boucher. 2,391,874; Jan. 1.
 Transformer apparatus. C. P. Boucher. 2,410,624; Nov. 5.
 Transformer arrangement, Protective. H. S. Gates and H. D. James. 2,397,099; Mar. 26.
 Transformer, Controlled peaking. H. Klemperer. 2,395,581; Mar. 5.
 Transformer core. C. C. Horstman, and J. H. Bramble. 2,400,994; May 28.
 Transformer, Electrical. A. Meyerhans. 2,409,882; Oct. 22.
 Transformer, Fluid flow energy. F. Whittle. 2,405,919; Aug. 13.
 Transformer, High frequency. J. Collard. 2,395,165; Feb. 19.
 Transformer, High-voltage. A. G. Ganz. 2,412,609; Dec. 17.
 Transformer, High-voltage. H. Hartmann. 2,407,420; Sept. 10.
 Transformer, Impedance. A. G. Fox. 2,411,534; Nov. 26.
 Transformer, Impedance. L. M. Leeds. 2,396,708; Mar. 19.
 Transformer, Impedance matching. L. M. Leeds. 2,405,437; Aug. 6.
 Transformer means, High potential current. A. C. Schwager. 2,413,195; Dec. 24.
 Transformer, Multiphase. A. C. P. A. H. Mossay, B. Schwarz, and E. Barroclou. 2,406,704; Sept. 17.
 Transformer pick-off. O. E. Isval. 2,407,657; Sept. 17.
 Transformer, Pulse. R. Lee. 2,412,893; Dec. 17.
 Transformer, Radio-frequency. J. E. Tillman. 2,413,201; Dec. 24.
 Transformer, Three-phase. W. R. Mayberry. 2,401,952; June 11.
 Transformer, Three-phase. R. D. Nelson. 2,398,109; Apr. 9.
 Transformer, Three phase. R. D. Nelson. 2,411,104; Nov. 12.
 Transformer, Tuned ultra high frequency. E. W. Herold. 2,410,656; Nov. 5.
 Transformer, Variable impedance. D. C. Espley. 2,408,745; Oct. 8.
 Transformer, Voltage. N. E. Lindenblad. 2,412,345; Dec. 10.
 Transformer, Welding. H. E. Kennedy. 2,411,921; Dec. 3.
 Transformer with variable secondary reactance. E. Fries. 2,411,370; Nov. 19.
 Transformers, Making three-phase. A. R. Woolfolk. 2,394,648; Feb. 12.
 Transformers, Making three-phase. A. R. Woolfolk. 2,407,391; Sept. 10.
 Transit level. A. Mariotti. 2,407,960; Sept. 17.
 Translating apparatus. Air. K. C. Whitefield. 2,407,858; Sept. 17.
 Translating device, Sound. R. Black, Jr. 2,401,328; June 4.
 Translating signals, Method of and system for. J. G. Beard and R. W. Harralson. 2,404,026; July 16.
 Translation device, Compressional wave. T. J. Pope. 2,405,604; Aug. 13.
 Translation device, Signal. W. D. Goodale, Jr., and F. F. Romanow. 2,405,605; Aug. 13.
 Translator, Code. C. W. Burcky. 2,396,038; Mar. 19.
 Translator, Signal. D. D. Grig. 2,408,062; Sept. 24.
 Transmission. J. S. Alsopugh. 2,406,184; Aug. 20.
 Transmission. K. Armatrout. 2,397,587; Apr. 2.
 Transmission. O. H. Banker. 2,399,657; May 7.
 Transmission. O. K. Butzbach. 2,405,135; Aug. 6.
 Transmission. H. E. Carnagua. 2,399,097; Apr. 23.
 Transmission. H. E. Carnagua and C. L. Swift. 2,399,098; Apr. 23.
 Transmission. R. Chilton. 2,398,208; Apr. 9.
 Transmission. R. Chilton. 2,400,536-40; May 21.
 Transmission. D. S. Dence. 2,412,208; Dec. 10.
 Transmission. A. Y. Dodge. 2,402,382; June 18.
 Transmission. M. W. Green. 2,412,331; Dec. 10.
 Transmission. A. F. Hickman. 2,397,140; Mar. 26.
 Transmission. A. C. Johnson. 2,402,229; June 18.
 Transmission. D. W. Kelbel. 2,406,225; Aug. 20.
 Transmission. A. E. Kilpela. 2,403,378; July 2.
 Transmission. R. Lapsley. 2,406,083; Aug. 20.
 Transmission. W. E. Mofitt. 2,398,839; Apr. 23.
 Transmission. P. Orr. 2,397,620; Apr. 2.
 Transmission. P. Orr. 2,408,336; Sept. 24.
 Transmission. A. O. Roberts and J. J. Wharam. 2,404,657; July 23.
 Transmission. E. E. Wemp. Re. 2,276,1; May 28.
 Transmission and clutch means. Fluid. J. L. Landrum. 2,406,548; Aug. 27.
 Transmission and control mechanism, Machine tool. J. B. Armitage and O. W. Barker. 2,407,913; Sept. 17.
 Transmission and control therefor. W. L. Pollard. 2,408,951; Oct. 8.
 Transmission and fluid pressure clutch mechanism therefor. W. T. Livermore. 2,399,554; Apr. 30.
 Transmission and support, Washing machine. M. W. Bowen and E. R. Burnett. 2,399,319; Apr. 30.
 Transmission apparatus, Hydraulic. J. S. Becker. 2,411,772; Nov. 26.
 Transmission, Articulated. E. Dawson. 2,410,811; Nov. 12.
 Transmission Assembly. J. E. Spangler and U. A. Cornett. 2,398,164; Apr. 9.
 Transmission, Automatic. H. E. Carnagua. 2,395,459; Feb. 26.
 Transmission, Automatic. C. F. Voytech. 2,397,634; Apr. 2.
 Transmission, Automatic turbo planetary. T. P. Cunningham. 2,409,196; Oct. 15.
 Transmission characteristic correction. T. Slonczewski. 2,411,903; Dec. 3.
 Transmission, Clutch. D. O. Hagedorn and E. Blanco. 2,392,919; Jan. 8.
 Transmission control for marine engines. J. F. Morse. 2,398,243; Apr. 9.
 Transmission control in two-way signaling systems. A. C. Norwine. 2,392,496; Jan. 8.
 Transmission control mechanism. C. R. Roche. 2,394,331; Feb. 5.
 Transmission control, Variable-speed. H. E. Carnagua. 2,408,241; Oct. 15.
 Transmission coupling circuit. R. W. Masters. 2,405,314; Aug. 6.
 Transmission device. G. K. Tolnai. 2,400,668; May 21.
 Transmission device, Power. V. P. Harvey and J. A. Mason. 2,395,513; Mar. 5.
 Transmission device, Power. E. C. Lloyd. 2,408,080; Sept. 24.
 Transmission device, Power. F. E. Novy. 2,398,849; Apr. 23.
 Transmission, Fluid. J. Jandasek. 2,406,490; Aug. 27.
 Transmission, Fluid. J. Jandasek. 2,407,496-7; Sept. 10.
 Transmission, Fluid. T. L. Morris. 2,405,600; Aug. 13.
 Transmission for machine tools, Hydraulic. C. R. Alden. 2,400,729; May 21.
 Transmission, Hydraulic. A. Jensen. 2,398,313; Apr. 9.
 Transmission, Hydraulic. T. L. Morris. 2,408,574; Oct. 1.
 Transmission, Hydraulic. D. W. C. Stowe. 2,398,124; Sept. 9.
 Transmission, Hydraulic. G. A. Wahlmark. 2,395,980; Mar. 5.
 Transmission, Hydrodynamic. W. D. Tipton. 2,408,008; Sept. 24.
 Transmission line. R. H. Varian, W. W. Hansen, and J. R. Woodyard. 2,412,640; Dec. 17.
 Transmission line, Adjustable. N. V. Fedotoff. 2,407,147; Sept. 3.
 Transmission line, Adjustable. S. B. Pickles. 2,404,399; July 23.
 Transmission line, Concentric conductor. J. C. Bain. 2,410,802; Nov. 12.
 Transmission line, High voltage, high power concentric. A. P. Bock. 2,408,408; Oct. 8.
 Transmission line joint. D. H. Fraser. 2,395,861; Mar. 5.
 Transmission line, Open wire. T. M. Gluyas, Jr. 2,392,473; Jan. 8.
 Transmission lines, Attenuator for coaxial. G. L. Fernsler. 2,401,299; June 4.
 Transmission lines, Rotating joint for parallel wire. N. I. Korman. 2,401,572; June 4.
 Transmission, Liquid medium for ultrasonic compressional waves. V. P. Mason. 2,407,315; Sept. 10.
 Transmission lock. R. S. Taylor. 2,399,405; Apr. 30.
 Transmission means for electrical telemetric systems, Plural. C. A. de Giers. 2,405,689; Aug. 13.
 Transmission mechanism. C. D. Peterson and A. H. Deimel. 2,399,568; Apr. 30.
 Transmission mechanism (balking ring clutch assembly). C. D. Peterson and A. H. Deimel. 2,394,099; Feb. 5.
 Transmission mechanism, Fluid. D. F. McGill. 2,409,374; Sept. 15.
 Transmission mechanism for aircraft engines, Power. P. E. Mercler. 2,401,496; June 4.
 Transmission of sound and other waves, System for the electric. W. A. Beatty and L. W. Houghton. 2,406,790; Sept. 3.

- Transmission operating mechanism. E. R. Price. 2,402,343; June 18.
- Transmission, Overdrive. W. B. Barnes. 2,403,781; July 9.
- Transmission, Power. R. C. Griffith. 2,395,811; Mar. 5.
- Transmission, Propeller. C. B. Vickers. 2,396,352; Mar. 12.
- Transmission, Speed indicator. S. Hamilton. 2,407,077; Sept. 3.
- Transmission system. R. H. Herrick. 2,396,175; Mar. 5.
- Transmission system. F. G. Patterson. 2,412,161; Dec. 3.
- Transmission system, Data. S. F. Kinkead, L. E. Melhuish, P. J. Singer, and E. M. Smith. 2,406,384; Aug. 27.
- Transmission system, Date. R. D. Parker, W. T. Rea, and F. J. Singer. 2,405,603; Aug. 13.
- Transmission system, Date. F. J. Singer. 2,405,617; Aug. 13.
- Transmission system, Electromagnetic wave. H. G. Busignies. 2,411,518; Nov. 26.
- Transmission system for machine tools, Fluid. J. Haller. 2,397,106; Mar. 26.
- Transmission system, High-frequency electric. D. C. Espley. 2,401,344; June 4.
- Transmission system, Intelligence. L. A. de Rosa. 2,406,813; Sept. 3.
- Transmission system, Intelligence. L. A. de Rosa. 2,408,049; Sept. 24.
- Transmission system, Intelligence. N. H. Young, Jr. 2,406,880; Sept. 3.
- Transmission system, Multiplex. R. A. Weagant. 2,413,396; Dec. 31.
- Transmission system, Permutation code data. E. M. Smith. 2,405,518; Aug. 13.
- Transmission system, Pulse. N. E. Lindenblad. 2,403,726; July 9.
- Transmission system, Pulse. N. E. Lindenblad. 2,411,140; Nov. 12.
- Transmission system, Secret. M. M. Levy. 2,406,841; Sept. 3.
- Transmission system, Synchronous motion. C. M. Summers. 2,402,928; June 25.
- Transmission, Two-speed power. W. P. Robinson. 2,398,720; Apr. 16.
- Transmission unit, Right angle. J. Y. Dahlstrand. 2,392,313; Jan. 8.
- Transmission, Variable speed. A. G. Bade. 2,403,627; July 9.
- Transmission, Variable speed. D. P. Fullerton, Jr. 2,397,480; Apr. 2.
- Transmission, Variable-speed. J. O. Hamren. 2,404,229; July 16.
- Transmission, Variable-speed. I. E. Harper. 2,404,231; July 16.
- Transmission, Variable speed. L. F. Shaw. 2,399,452; Apr. 30.
- Transmission, Variable speed gear. T. M. Berry and A. H. Canada. 2,398,997; Apr. 23.
- Transmitter-amplifier system, Condenser. R. R. Galbreath. 2,396,691; Mar. 19.
- Transmitter and receiver, Sound. H. Benioff. 2,405,185; Aug. 6.
- Transmitter and receiver, Telephone. J. S. P. Robertson and M. L. Gayford. 2,400,662; May 21.
- Transmitter, Automatic telegraph. J. G. de Almeida. 2,407,818; Sept. 17.
- Transmitter, Call. R. Crocker. 2,392,726; Jan. 8.
- Transmitter, Call. L. A. Meacham. 2,410,833; Nov. 12.
- Transmitter, Data. N. L. Haight. 2,409,559-60; Oct. 15.
- Transmitter, Frequency modulation. H. F. Mayer. 2,394,933; Feb. 5.
- Transmitter, Key operated telephone call. R. F. Mallina. 2,394,926; Feb. 12.
- Transmitter, Pulse. E. Labin. 2,408,076; Sept. 24.
- Transmitter synchronizer, Photoelectric. L. M. Potts. 2,397,202; Mar. 26.
- Transmitter, Telephone call. R. F. Mallina. 2,394,927; Feb. 12.
- Transmitter, Telephone call. R. F. Mallina. 2,412,624-5; Dec. 17.
- Transmitter, Television. R. D. Kell. 2,402,053; June 11.
- Transmitter, 360° resistance type. A. W. Borsum. 2,396,244; Mar. 12.
- Transmitter, Variable speed. D. L. Mount. 2,412,351; Dec. 10.
- Transmitters, Cut-out device for telephone. G. E. Brittingham. 2,403,498; July 9.
- Transmitting and reproducing system, method, and apparatus, Facsimile. A. E. Gerhard and E. G. Fraim. 2,403,558; July 2.
- Transmitting apparatus and operation, Television. A. Rose. 2,407,905; Sept. 17.
- Transmitting apparatus for remote control systems. L. V. Lewis. 2,409,697; Oct. 22.
- Transmitting apparatus for remote control systems. A. J. Sorenson. 2,395,693; Feb. 26.
- Transmitting apparatus, Low velocity television. A. Rose. 2,407,906; Sept. 17.
- Transmitting apparatus, Television. H. B. Law. 2,401,786; June 11.
- Transmitting device, Telephone call. F. A. Hubbard. 2,400,148; May 14.
- Transmitting intelligence. J. A. Herbst. 2,406,835; Sept. 3.
- Transmitting intelligence, Method and means for. N. H. Young, Jr. 2,407,336; Sept. 10.
- Transmitting mechanism, Force and motion. G. Griswold and C. H. Cannon, Jr. 2,406,073; Aug. 20.
- Transmitting mechanism, Power. N. R. Brownier. 2,398,407; Apr. 16.
- Transmitting mechanism, Power. L. R. Buckendale and B. W. Keese. 2,399,201; Apr. 30.
- Transmitting system, Television. O. H. Schade. 2,404,098; July 16.
- Transmitting system, Wave. M. D. Fiske and J. M. Lafferty. 2,407,068; Sept. 3.
- Transparencies in mounts, Masking color. D. Dean. 2,409,976; Oct. 22.
- Transparent prints, Medium for use in preparing. L. S. Sanders. 2,392,414; Jan. 8.
- Transparent stencil sheet material. A. J. Wartha. 2,393,668; Jan. 29.
- Transplanting apparatus, Tree. L. L. Culley. 2,410,203; Oct. 29.
- Transposition bracket. H. H. Wheeler. 2,394,575; Feb. 12.
- Trap: See—
- Animal trap. Rat trap.
- Hog trap. Rodent trap.
- Lint trap.
- Trap. C. E. George, Sr. 2,399,111; Apr. 23.
- Trap. B. F. Krelwitz. 2,412,518; Dec. 10.
- Trap and method, Fishing. S. H. Allen. 2,399,193; Apr. 30.
- Trap chamber with barometric cutoff, Measuring. T. L. Titus. 2,408,156; Sept. 24.
- Trap for chips. C. W. Frederick. 2,408,923; Oct. 8.
- Trap for disabled brake gears, Safety. C. C. Rich. 2,393,121; Jan. 15.
- Trap for fuel dispensing devices, Electrically heated water. C. C. Oberly and P. E. Waugh. 2,411,749; Nov. 26.
- Trap for range hoods, Grease. F. E. Baumgartner. 2,399,957; Feb. 5.
- Trap for refrigerator car drainpipes, Automatic. E. R. Battley and G. E. McCoy. 2,412,118; Dec. 3.
- Trap, Freezing. R. M. Cummins. 2,411,193; Nov. 19.
- Trap operating device for refrigerator cars. H. D. Doermann. 2,395,320; Feb. 19.
- Travel limiting device. T. G. A. Sillers. 2,397,699; Apr. 2.
- Travel lock. Q. Berg. 2,411,863; Dec. 3.
- Traversing mechanism. G. Beach. 2,391,870; Jan. 1.
- Tray, Acid. A. W. Becker. 2,399,075; Mar. 5.
- Tray, Battery. W. and G. Holman. 2,402,141; June 18.
- Tray, Collapsible wheeled. I. Rubin and J. B. Meltz. 2,407,385; Sept. 10.
- Tray, Communion wafer. M. C. Johnshoy. 2,397,740; Apr. 2.
- Tray, Dental. H. Barishman. 2,404,684; July 23.
- Tray file, Rotary. E. N. Yzetta. 2,411,950; Dec. 3.
- Tray for duplicating apparatus, Feed. A. E. Little. 2,398,316; Apr. 9.
- Tray for egg treating machines, Holding. W. G. Howard. 2,407,079; Sept. 3.
- Tray, Ice. C. R. Carney. 2,403,846; July 9.
- Tray, Ice. L. L. Mallard. 2,404,973; July 30.
- Tray, Ice. R. C. Yantis. 2,401,894; June 11.
- Tray, Slice receiving. G. R. Wood. 2,400,279; May 14.
- Tray, Soap. R. D. L. Albright. 2,399,533; Apr. 30.
- Tray, Slicer. J. S. Hardy. 2,407,782; Sept. 17.
- Tray, Swivel tier desk. M. Gluckman. 2,398,091; Apr. 9.
- Treating and composition for cover cloth. J. G. Mackenzie, Jr. 2,405,703; Aug. 13.
- Treating apparatus, Article. C. E. Hansen. 2,401,930; June 11.
- Treating apparatus, Material. R. Pash. 2,409,953; Oct. 22.
- Treating device, Blood. J. P. Desmet. 2,406,207; Aug. 20.
- Treating human body ailments by heat therapy, Mattress for. W. F. Clark. Re. 2,763; June 11.
- Treating machine. Q. C. Barber. 2,408,248; Sept. 24.
- Treating materials, Method and apparatus of. D. S. Baker. 2,412,763; Dec. 17.
- Treating solutions of sodium carbonate and sodium sulphate to increase the ratio of sodium carbonate to sodium sulphate. H. B. Suhr and E. B. Fitch. 2,392,888; Jan. 15.
- Treating surfaces, Means and method of. J. M. Boudreau. 2,410,626; Nov. 5.
- Treating waters, including boiler waters, and composition thereof. W. L. Denman. 2,400,543; May 21.
- Treating yarn or cord, Method of and apparatus for. A. W. Hansen and A. N. Benson. 2,398,787; Apr. 23.
- Treatment of hydroxyl-containing interpolymers of ethylene. D. C. Pease. 2,403,465; July 9.
- Treatment of plastic, Heat. H. A. Strickland, Jr. 2,406,714; Aug. 27.
- Treatment of water to remove silica. W. S. Wilson and H. N. Dole. 2,396,220; Mar. 5.
- Tree protector. John O. Savage. 2,405,452; Aug. 6.
- Tree, Shoe. C. E. Garneau. 2,401,064; May 28.
- Tree, Shoe. A. F. Levaggi. 2,409,573; Oct. 15.
- Tree, Shoe. R. C. Magee. 2,399,128; Apr. 23.
- Trestle. H. W. Gosmann. 2,412,395; Dec. 10.

- Trialkyl phosphate esters, Producing. W. H. Woodstock and P. E. Pelletier, Jr. 2,411,111; Oct. 29.
- Triangle and the like, Drafting. J. Nash. 2,401,265; May 28.
- Triangle-octant. G. W. McCoshen. 2,412,901; Dec. 17.
- Triazine azo compounds, Metallizable. O. Kaiser. 2,396,659; Mar. 19.
- Triazine derivatives. G. F. D'Alelio. 2,394,042; Feb. 5.
- Triazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,392,649; Jan. 8.
- Triazo diphenyl dyestuffs. A. Siebert. 2,394,114; Feb. 5.
- Triazolo (d) pyrimidines and preparing the same. J. P. English, J. R. Vaughan, Jr., and R. O. Roblin, Jr. 2,407,204; Sept. 3.
- Trichloroethylene copolymers. H. W. Arnold. 2,408,402; Oct. 1.
- Triethylene glycol diheptate. L. Nicholl and W. P. Bitler. 2,412,469; Dec. 10.
- Trigatron tube. C. E. Dawley. 2,413,175; Dec. 24.
- Trigger mechanism. J. G. Seitz. 2,396,291; Mar. 12.
- Trigger stop for firearms. E. G. Reising. 2,413,520; Dec. 31.
- Triggers, Making. V. G. Yawman. 2,404,118; July 16.
- Trim, Wheel. G. A. Lyon. 2,411,163; Nov. 19.
- Trim, Wheel. E. L. Wood. 2,394,958; Feb. 12.
- Trimethylene chlorbromide. C. B. Gardenier. 2,412,882; Dec. 17.
- Trimmer, Cartridge case. G. T. Smiley. 2,406,170; Aug. 20.
- Trimmer, Rotary lawn. M. Klose. 2,404,504; July 23.
- Trimming machine. H. Hacklander. 2,406,602; Aug. 27.
- Trimming machine. W. S. Reynolds. 2,406,562; Aug. 27.
- Trimming mechanism. C. Jobst. 2,404,500; July 23.
- Trinitrotoluene manufacture. C. F. Papazoni. 2,402,180; June 18.
- Triode oscillator circuit. A. A. Varela. 2,406,871; Sept. 3.
- Triode lock bag. N. D. Holbrook. 2,408,777; Oct. 8.
- Tripod jack. H. E. Page. 2,407,796; Sept. 17.
- Tripping mechanism. J. Morkoski. 2,395,342; Feb. 19.
- Tripping mechanism. L. L. Schauer and J. H. McKewen. 2,401,276; May 28.
- Triazo metallizable dyestuffs. F. Straub, J. Brassel, and H. Mayer. 2,408,981; Oct. 8.
- Trolley conductor duct and collector, Electric. W. C. Anderson and G. J. Naber. 2,412,382; Dec. 10.
- Trolley, Monorail. G. C. Henderson. 2,404,876; July 23.
- Trolley system and frog, Overhead. W. J. Lewis. 2,393,388; Jan. 22.
- Trolley wire connector. P. H. McKee and C. V. Siler. 2,413,061; Dec. 24.
- Trolley with multi contact head for trackless trolley-fed vehicles. H. E. Kallmann. 2,396,049; Mar. 5.
- Trolling device. A. M. Davidson. 2,393,090; Jan. 15.
- Trouble lockout arrangement. H. D. MacPherson. 2,396,797; Mar. 19.
- Trough for poultry and automatically controlling the supply of water thereto, Watering. J. G. Francis. 2,397,479; Apr. 2.
- Trouser and skirt hanger. R. P. Hartz. 2,393,632; Jan. 29.
- Trouser creasing device. J. J. Getgey. 2,398,302; Apr. 9.
- Trouser hanger, F. M. Puzio, Jr. 2,393,263; Jan. 22.
- Trouser hanger. R. V. N. Snook. 2,394,879; Feb. 12.
- Trousers construction. E. Martin. 2,410,226; Oct. 29.
- Trowel. E. T. Jones. 2,395,186; Feb. 19.
- Trowel, Pneumatic hand. W. P. Day, J. J. Day, W. P. Day, Jr., and V. E. Heglaw. 2,411,317; Nov. 19.
- Trowel, Vibrating hand. W. P. J. J., and W. P. Day, Jr., and V. E. Heglaw. 2,400,341; May 14.
- Truck. R. B. Cottrell. 2,395,317; Feb. 19.
- Truck. R. B. Cottrell. 2,407,923; Sept. 17.
- Truck. R. B. Cottrell and F. E. Bachman. 2,413,433; Dec. 31.
- Truck. H. C. Keyser. 2,410,032; Oct. 29.
- Truck. D. M. Light. 2,392,599; Jan. 8.
- Truck. D. M. Light. 2,393,458; Dec. 31.
- Truck. R. C. Pierce. 2,394,872; Feb. 12.
- Truck. C. S. Schroeder. 2,411,656; Nov. 26.
- Truck. C. E. Tack. 2,399,519; Apr. 30.
- Truck, Airborne cargo. R. D. Bagley and J. E. Berman. 2,409,181; Oct. 29.
- Truck, Car. T. V. Buckwalter. 2,403,045; July 2.
- Truck, Car. T. V. Buckwalter. 2,405,398; Aug. 6.
- Truck, Car. C. J. Chasen. 2,406,199; Aug. 20.
- Truck, Car. R. B. Cottrell. 2,398,621; Apr. 16.
- Truck, Car. L. A. Lehrman. 2,392,597; Jan. 8.
- Truck, Car. D. M. Light. 2,402,502; June 18.
- Truck, Car. J. A. Shafer. 2,393,426; Jan. 22.
- Truck, Cargo. R. F. Lettich. 2,395,893; Aug. 13.
- Truck, Dispensing. J. Toomey. 2,405,962; Aug. 13.
- Truck, Engine. J. C. Travilla, Jr. 2,402,711; June 25.
- Truck for rail vehicles. A. S. Krotz. 2,408,520; Oct. 1.
- Truck, Garbage. V. L. Balbi. 2,393,732; Jan. 29.
- Truck, Hand. J. J. Jackson. 2,400,324; Apr. 21.
- Truck, Hand. H. N. Kirchdorfer. 2,396,953; Mar. 19.
- Truck, Hand. W. M. MacLaury. 2,405,155; Aug. 6.
- Truck, Hand. A. Newport. 2,406,158; Aug. 20.
- Truck, Hand lift. C. E. Klumb. 2,399,043; Apr. 23.
- Truck, Heavy-duty hand. M. D. Goodrich. 2,398,584; Apr. 16.
- Truck, Industrial. H. J. Framhein. 2,395,323; Feb. 19.
- Truck, Industrial. P. R. Guerin. 2,399,632; May 7.
- Truck, Industrial. P. R. Guerin and H. Musgrave. 2,411,263; Nov. 19.
- Truck, Industrial. I. F. Schreck. 2,395,345; Feb. 19.
- Truck, Lift. G. Quayle. 2,405,848; Aug. 13.
- Truck loader. R. C. Shoemaker. 2,394,940; Feb. 12.
- Truck loader. R. C. Shoemaker. 2,409,398; Oct. 15.
- Truck, Mine. A. L. Lee. 2,395,333; Feb. 19.
- Truck, Motorized lift. C. S. Schroeder. 2,399,605; Apr. 30.
- Truck, Pallet. H. J. Framhein. 2,399,596; Apr. 30.
- Truck, Power loading. E. W. Baldwin. 2,411,183; Nov. 19.
- Truck, Rail. R. J. Burrows and A. O. Williams. 2,410,011; Oct. 29.
- Truck, Railway car. J. Ledwinka. 2,402,501; June 18.
- Truck, Railway car. G. E. Dath. 2,404,278; July 16.
- Truck, Railway car. W. A. Geiger. 2,407,875; Sept. 17.
- Truck, Railway car. S. B. Haseltine. 2,395,987; Mar. 5.
- Truck, Railway car. C. P. Leese. 2,412,689; Dec. 17.
- Truck, Railway car. H. J. Lounsbury. 2,396,796; Mar. 12.
- Truck, Railway car. L. A. Margardt. 2,408,866; Oct. 8.
- Truck, Railway car wheel. W. P. McCallick. 2,404,310; July 16.
- Truck, Refrigerated. W. L. Morrison. 2,406,241; Aug. 20.
- Truck slide bearing. E. J. Ellis and M. S. Johnson. 2,394,158; Feb. 5.
- Trucks, Bolster construction for railroad. A. F. Hickman. 2,400,550; May 21.
- Trucks, Latch mechanism for dump. R. A. Penney. 2,401,680; June 4.
- Trucks, Transferring loads to industrial. W. Isler. 2,394,692; Feb. 12.
- Truing apparatus, Grinding wheel. B. S. T. Bishop and F. A. Bicknell. 2,405,551; Aug. 13.
- Truing device, Wheel. R. A. Mahmeister. 2,392,332; Jan. 8.
- Trunk-piston body. E. Porter. 2,413,154; Dec. 24.
- Trussed brake beam and/or brake head. C. R. Busch. 2,412,388; Dec. 10.
- Tube: See—
- Beam resonator tube.
 - Bourdon tube.
 - Cathode ray tube.
 - Collapsible tube.
 - Dispensing tube.
 - Electric beam tube.
 - Electrical space discharge tube.
 - Electron discharge tube.
 - Electron tube.
 - Electronic discharge tube.
 - Electronic tube.
 - Field emission arc discharge tube.
 - Finned tube.
 - Flexible tube.
 - Fluorescent tube.
 - Gaseous discharge tube.
 - Tube. C. E. Mudrock. 2,399,757; May 7.
 - Tube and making same, Electron. J. S. Vansant. 2,405,915; Aug. 13.
 - Tube and making the same, Electron. L. N. Pierri. 2,399,758; May 7.
 - Tube apparatus, Electron. G. S. Vachtman. 2,400,895; May 28.
 - Tube assembly, Cathode-ray. J. R. Beers. 2,404,899; July 30.
 - Tube assembly machine for heat-exchange cores. F. M. Young. 2,410,140; Oct. 29.
 - Tube bending machine. A. L. Kibler. 2,396,182; Mar. 5.
 - Tube bending tool. C. E. Adreon. 2,403,325; July 2.
 - Tube changer, Fluorescent light. I. M. Smith. 2,392,865; Jan. 15.
 - Tube clamp. R. P. Harrison. 2,399,183; Apr. 30.
 - Tube cleaner. J. P. Maruri. 2,392,490; Jan. 8.
 - Tube closure, Collapsible. J. C. Rockwell. 2,411,058; Nov. 12.
 - Tube construction and the manufacture thereof, Electron. J. E. Beggs. 2,402,119; June 18.
 - Tube construction, Radiator. A. B. Modine. 2,396,522; Mar. 12.
 - Tube construction, Reinforcing expander. C. Hollerith. 2,404,801; July 30.
 - Tube coupling. A. L. Parker. 2,404,142; July 16.
 - Tube cutting machine. D. A. Forsberg. 2,398,929; Apr. 23.
 - Tube ends, Closing bag. D. Belcher. 2,406,791; Sept. 3.
 - Tube expanding. C. Maxwell. 2,409,219; Oct. 15.
 - Tube for furnaces, Retort. D. R. Babbitt and E. T. Hewitt. 2,392,450; Jan. 8.
 - Tube forming apparatus and method. D. A. Wallace. 2,400,055; May 7.
 - Tube forming machine. H. R. Gillette, C. J. Kopp, and R. S. Gillette. 2,401,728; June 11.
 - Tube from a strip, Forming corrugated. S. J. Carter. 2,406,943; Sept. 3.
 - Tube locking adapter, Spindle actuated. G. B. Markle, Jr. 2,401,309; June 4.

- Tube-severing mechanism. A. F. Cibs. 2,404,901; July 30.
 Tube structure, High frequency. W. Hansen and R. H. and S. F. Varian. Re. 22,795; Oct. 1.
 Tube system. Cathode-ray. W. A. Tolson and W. J. Poch. 2,400,791; May 21.
 Tube telescoping machine. J. R. McLaughlin. 2,391,915; Jan. 1.
 Tubes, Apparatus and method for making. R. L. Norton. 2,403,745; July 9.
 Tubes, Expanding. H. Boyles and R. W. Grabb. 2,393,283; Jan. 22.
 Tubes from tube sheets, Removing defective. R. L. Clapper. 2,411,146; Nov. 19.
 Tubes, Making. W. W. Eitel and J. A. McCullough. 2,400,635; May 21.
 Tubes, Manufacture of tin-plated lead collapsible. E. Stather-Dunn. 2,396,616; Mar. 12.
 Tubes, Manufacture of photoelectric. R. B. Jones and A. M. Glover. 2,401,735; June 11.
 Tubes, Manufacturing pitot-static. J. Bernhardt. 2,397,084; Mar. 26.
 Tubes of organic plastic material, Method of and apparatus for forming. J. Bailey. 2,398,876; Apr. 23.
 Tubes, Producing threaded spiral. R. B. Smith and M. W. Latimer. 2,405,909; Aug. 13.
 Tubes, Starting circuit for gas filled discharge. R. Martines. 2,399,557; Apr. 30.
 Tubes, Support for finned. A. J. Ryder. 2,402,209; June 18.
 Tubing and the Hke, Wood. P. R. Goldman. 2,402,040; June 11.
 Tubing, Capping. M. Curtze. 2,406,745; Sept. 3.
 Tubing, construction. Lamellar. P. R. Goldman. 2,402,039; June 11.
 Tubing expanding tool. H. C. Kemmerlin. 2,411,733; Nov. 26.
 Tubing, Fitting for flared. E. A. Wenk. 2,399,275; Apr. 30.
 Tubing, Flexible. A. F. Johnson. 2,402,497; June 18.
 Tubing, Forming bent. F. M. Kepler. 2,406,838; Sept. 3.
 Tubing, Making. E. C. Booth. 2,401,542; June 4.
 Tubing, Making. J. J. Dunn. 2,402,383; June 18.
 Tubing manufacture. Wood. P. R. Goldman and R. Alt. 2,402,038; June 11.
 Tubing, Reinforced. T. W. Stedman. 2,393,496; Jan. 22.
 Tubing sets, Preparation of sterile. N. M. Nesset and E. J. Nawel. 2,399,137; Apr. 23.
 Tubing, Treating plastic. F. H. Reichel. 2,401,774; June 11.
 Tubular abrasive bodies, Making. R. J. Hill. 2,411,724; Nov. 26.
 Tubular article, Working. C. L. Luce and N. B. Duncan. 2,408,325; Sept. 24.
 Tubular articles, Manufacture of metal. W. W. Hackett. 2,392,797; Jan. 8.
 Tubular connection and sealing means therefor. E. E. Howe. Re. 22,712; Jan. 22.
 Tubular lamp fixture. A. G. Mueller and F. C. Dazley. 2,399,501; Apr. 30.
 Tubular lamp mounting. C. E. Dansereau. 2,403,968; July 16.
 Tubular parts, Carburizing one side only of relatively short. E. G. de Coriolis. 2,412,802; Dec. 17.
 Tubular structures, Manufacture of. P. R. Goldman. 2,393,898; Jan. 29.
 Tufting machine, Multiple needle. L. Hamrick. 2,411,267; Nov. 19.
 Tumbler. J. P. Jorgenson and A. G. Kling. 2,393,330; Jan. 22.
 Tumbler, Balanced suction. S. J. Locke. 2,399,955; Apr. 30.
 Tumbler washer. N. Bullock. 2,412,950; Dec. 24.
 Tuner, Inductive. W. H. Kunz. 2,405,890; Aug. 13.
 Tuner, Microwave multiband. A. H. Turner. 2,408,896; Oct. 8.
 Tuner, Sequence. M. J. Pifer, C. F. Carlsen, and H. J. McFarrey. 2,411,754; Nov. 26.
 Tuner, Ultra high frequency. A. H. Turner. 2,408,895; Oct. 8.
 Tuning apparatus. R. L. Harvey. 2,411,858; Dec. 3.
 Tuning apparatus. E. O. Thompson. 2,405,277; Aug. 6.
 Tuning arrangement. W. L. Carlson. 2,402,948; July 2.
 Tuning arrangement. A. L. Samuel. 2,410,841; Nov. 12.
 Tuning device, Cavity. I. I. Stephan. 2,408,321; Oct. 15.
 Tuning device clutch. A. A. Collins. 2,409,192; Oct. 15.
 Tuning means. H. C. Lawrence, Jr. 2,410,222; Oct. 29.
 Tuning mechanism. A. J. Lombard. 2,408,786; Oct. 8.
 Tuning system. G. S. Wachtman. 2,400,596; May 28.
 Tuning system, Electrical. G. S. Wachtman. 2,400,897; May 28.
 Tuning system for radio receivers, Automatic. C. M. Burrill. 2,408,370; Oct. 1.
 Tuning system, Selective. G. S. Wachtman. 2,400,898; May 28.
 Tuning unit, Combined capacitive and inductive. E. O'Brien. 2,398,112; Apr. 9.
 Tuning unit, Ultra-high-frequency. J. K. Johnson. 2,413,451; Dec. 31.
 Tungsten ores, Treatment of. B. Burwell. 2,394,362; Feb. 5.
 Tunnel furnace. G. Myhrman. 2,401,093; May 28.
 Turbiditymeter, Photoelectric. R. L. Hood and J. W. Berry. 2,411,092; Nov. 12.
 Turbine. K. Baumann. 2,410,804; Nov. 12.
 Turbine. F. B. Halford. 2,401,826; June 11.
 Turbine. R. W. Youngash. 2,396,068; Mar. 5.
 Turbine apparatus. D. Bradbury. 2,402,363; June 18.
 Turbine apparatus. D. Bradbury. 2,404,428; July 23.
 Turbine apparatus. C. C. Davenport. 2,400,392; May 14.
 Turbine apparatus. C. C. Davenport. 2,402,377; June 18.
 Turbine apparatus. R. P. Kroon. 2,402,418; June 18.
 Turbine apparatus. R. P. Kroon. 2,410,450; Nov. 5.
 Turbine apparatus. W. R. New. 2,411,552; Nov. 26.
 Turbine apparatus, Elastic fluid. J. L. Ray. 2,402,841; June 25.
 Turbine blade and assembly thereof. A. J. Phelan and V. H. Pavleka. 2,410,588; Nov. 5.
 Turbine blade locking apparatus. R. C. Allen. 2,393,447; Jan. 22.
 Turbine control. A. E. Vandorse. 2,411,482; Nov. 19.
 Turbine, Elastic fluid. S. S. Cook and L. M. Douglas. 2,392,463; Jan. 8.
 Turbine, Elastic fluid. S. S. Cook and L. M. Douglas. 2,396,159; Mar. 5.
 Turbine, Elastic fluid. J. H. Doran. 2,399,009; Apr. 23.
 Turbine, Elastic fluid. H. Kraft. 2,392,673; Jan. 8.
 Turbine engine. J. A. Fisher. 2,407,824; Sept. 17.
 Turbine, Fluid. L. A. Darling. 2,405,190; Aug. 6.
 Turbine, Fluid. A. F. G. Glaser. 2,404,371; July 23.
 Turbine generator. G. B. Wagner. 2,402,383; Dec. 17.
 Turbine installation. J. S. Hall. 2,394,685; Feb. 12.
 Turbine, Internal-combustion. A. A. Griffith. 2,413,225; Dec. 24.
 Turbine, Internal-combustion. F. J. Smith and J. Isaac. 2,411,124; Oct. 22.
 Turbine plant, Gas. W. H. Armacost and D. M. Schoenfeld. 2,404,938; July 30.
 Turbine plant, Internal-combustion. K. Baumann. 2,411,124; Nov. 12.
 Turbine shaft cooling. W. A. Ledwith. 2,395,128; Feb. 19.
 Turbine system, Gas. R. C. Allen. 2,409,176; Oct. 15.
 Turbine system, Gas. H. W. Woodward and J. H. Potter. 2,401,285; May 28.
 Turbine, turbine type compressor, and the like rotating machine. K. Baumann. 2,410,769; Nov. 5.
 Turbine wheel. A. L. Berger. 2,393,963; Feb. 5.
 Turbines, Operation and regulation of combustion. F. Nettel. 2,410,457; Nov. 5.
 Turbodrives and control. H. O. Schjolin. 2,399,709; May 7.
 Turbodrives and controls. H. O. Schjolin. 2,403,954; July 16.
 Turbomachine. W. Huber. 2,405,146; Aug. 6.
 Turbosupercharger. A. J. Larrecq. 2,406,388; Aug. 27.
 Turbosupercharger, Exhaust. C. E. Sorensen. 2,397,816; Apr. 2.
 Turn bank and climb indicator. B. G. Carlson. 2,395,250; Feb. 19.
 Turnbuckle. A. W. Rawlins and W. J. Kupec. 2,403,828; July 9.
 Turnbuckle. P. Rossi. 2,403,402; July 2.
 Turnbuckle fairing and lock. G. W. De Bell and T. C. Hill. 2,412,566; Dec. 17.
 Turnbuckle safety device. E. E. Harrington. 2,395,546; Feb. 26.
 Turnbuckle wrench. M. H. Thonet. 2,397,574; Apr. 2.
 Turntable. O. W. Andersen. 2,395,528; Feb. 26.
 Turner, Bag. B. A. Hannewald, J. J. Lee, and J. M. Wheatley. 2,410,731; Nov. 5.
 Turning apparatus, Glove. R. E. Bartimore. 2,404,346; July 23.
 Turning apparatus, Taper. W. F. Groene and H. C. Kemper. 2,407,778; Sept. 17.
 Turning machine. D. I. Wilson and J. W. Quinn. 2,395,365; Feb. 19.
 Turpentine, Odor refining sulphate. E. J. Lorand. 2,395,053; Feb. 19.
 Turret construction. H. A. Sutton. 2,392,106; Jan. 1.
 Turret for aerial cameras, Automatic. L. A. Scholz. 2,410,842; Nov. 12.
 Turret Gun. M. J. Phillips. 2,395,529; Mar. 12.
 Turret, Machine Headstock. R. Kurzweil. 2,408,658; Oct. 1.
 Turret mounting. D. Roeder and E. Nador. 2,404,459; July 23.
 Tybère. S. P. Kinney. 2,398,098; Apr. 9.
 Tybère, Blast furnace. G. E. Stendel. 2,394,497; Feb. 5.
 Tweezer. G. M. Ferguson. 2,411,820; Nov. 26.
 Tweezer implement and the like. E. A. Neugass. 2,06,393; Aug. 27.
 Tweezers. G. M. Ferguson. 2,412,255; Dec. 10.
 Twist drill. J. Fleischer. 2,405,298; Aug. 6.
 Twister and doubler, Multiple. S. C. Nelson. 2,410,674; Nov. 5.
 Twister frame. V. A. Burnham. 2,411,126; Nov. 12.
 Twister, Mechanical manual-type wire. W. Morris. 2,400,769; May 21.
 Twister ring. J. J. Kloran. 2,397,491; Apr. 2.
 Twisting machine. P. C. Wentworth. 2,409,018; Oct. 22.
 Twisting apparatus, Yarn. O. A. Hitt. 2,406,783; Sept. 3.
 2-amino-4-5-trimethylene-thiazole. H. Erlemeyer. 2,400,689; May 21.
 2-aminopyrazine, Preparation of. P. S. Winnek and Q. P. Cole. 2,396,067; Mar. 5.

- Two and one direction silent overriding and positive driving overriding mechanism. C. H. Richards. 2,407,099; Sept. 3.
- 2-Bromopyrazine and preparing same. J. K. Dixon and J. M. Sayward. 2,403,710; July 9.
- 2-Chloroalkylamide chlorides. E. W. Shand. 2,411,064; Nov. 12.
- 2-chloropyrazine. Preparation of. P. S. Winnek. 2,396,066; Mar. 5.
- Two-cycle engine. D. Blumberg. 2,410,477; Nov. 5.
- Two-cycle engine. M. L. Forrest. 2,395,110; Feb. 19.
- Two-cycle engine. A. M. Rossmann. 2,408,448; Oct. 1.
- Two-cycle internal-combustion engine. H. Forster. 2,404,833; July 30.
- Two-cycle internal-combustion engine. M. Mallory. 2,403,106; July 2.
- Two-cycle internal-combustion engine. H. Schneider. 2,393,341-2; Jan. 22.
- Two-cycle internal-combustion engine. F. B. Yingling. 2,393,852; Jan. 29.
- Two-cycle internal-combustion engine. F. B. Yingling. 2,401,677; June 4.
- 2-ethylhexyl fluoracetate. J. L. Horsfall. 2,409,859; Oct. 22.
- 2-ethylhexyl phosphates. T. F. Carruthers. 2,406,802; Sept. 3.
- 2-(4-succinyl-amino-benzene-sulphonamido)-quinoxaline. J. Weijland and M. Tishler. 2,404,200; July 1.
- Two gear metering pump. J. S. Cardillo. 2,400,485; May 21.
- Two level control. J. L. Breese and B. Hayter. 2,397,120; Mar. 26.
- 2-methyl-1,2-propanediamine. Preparation of. H. G. Johnson. 2,408,174; Sept. 24.
- 2-(N'-acylsulfanilamido) pyrazine. Preparation of. P. S. Winnek. 2,403,776; July 9.
- 2-oxazolidone compounds and preparing the same. A. H. Homeyer. 2,399,118; Apr. 23.
- Two-phase motor. S. Bousky. 2,405,012; July 30.
- 2, 6, di-halo phenols. Manufacture of. J. F. Olin. 2,403,748; July 9.
- 2,6-nitro chlor benzyl alcohol. Preparing. F. Sievenpiper. 2,407,182; Sept. 3.
- Two-stage control. G. D. Bower. 2,397,465; Apr. 2.
- Two-stroke cycle internal-combustion engine. D. S. Sanborn. 2,401,111; May 28.
- Two-stroke engine. E. M. Gadoux and J. Fouré. 2,405,350; Aug. 6.
- Two stroke piston-controlled engine. E. S. L. Beale. 2,408,030; Sept. 24.
- 2-sulphanilamido-quinoxaline. J. Weijland and M. Tishler. 2,404,199; July 16.
- 2-thioaranzthiazolines. R. A. Mathes. 2,391,993; Jan. 1.
- 2-thio-4,6-diamino-1,3,5-thiadiazole and salts therefor. D. W. Kaiser and R. L. Sperry. 2,397,421; Mar. 26.
- 2:8-hydroxy naphthoic arylides. Preparation of. R. H. Weiss and A. C. Winttingham. 2,394,279; Feb. 5.
- Two-way clutch. K. Miller. 2,406,238; Aug. 20.
- Two-way clutch. K. Miller. 2,407,319; Sept. 10.
- Tying apparatus. R. R. Raney. 2,413,378; Dec. 31.
- Tying mechanism. R. R. Raney. 2,403,396; July 2.
- Type cleaner for typewriting machines. W. L. Gould. 2,394,855; Feb. 12.
- Typewriter and the like. Chinese language. C.-C. Kao. 2,412,777; Dec. 17.
- Typewriter attachment for manifold. R. J. Copeland and E. J. Bloore. 2,392,522; Jan. 8.
- Typewriter. Automatic. C. Wittenmyer. 2,394,733; Feb. 12.
- Typewriter demonstrator. F. W. Nichol. 2,392,256; Jan. 1.
- Typewriter desk fixture. M. Fox. 2,411,088; Nov. 12.
- Typewriter for justifying lines. C. W. Norton. 2,405,974; Aug. 20.
- Typewriter support. J. V. Paxton and I. R. Cornish. 2,401,181; May 28.
- Typewriter table. C. W. Koch. 2,402,412; June 18.
- Typewriting and computing machine. Combined. H. L. Friedman. 2,398,395; Apr. 16.
- Typewriting machine. A. Colombo. 2,399,788; May 7.
- Typewriting machine. M. H. Mann. 2,394,390; Feb. 5.
- Typewriting machine. M. H. Mann. 2,407,433; Sept. 10.
- Typewriting machine. W. T. Sagner. 2,395,763; Feb. 26.
- Typewriting machine. O. J. Sundstrand. 2,394,950; Feb. 12.
- Typewriting machine. W. G. Turquand. 2,397,578; Apr. 2.
- Typewriting machine. R. von Reppert. 2,392,276; Jan. 1.
- Typewriting machine. R. von Reppert. 2,396,401; Mar. 12.
- Typewriting machine. R. Von Reppert. 2,407,195; Sept. 3.
- Typewriting machine. R. S. Wallach. 2,398,457; Apr. 16.
- Typewriting machine. F. C. Wendt. 2,411,402; Nov. 19.
- Typewriting machine. H. C. Yeager. 2,395,929; Mar. 5.
- Typewriting machine. Shorthand. J. L. Stixrud. 2,408,452-3; Oct. 1.
- Typewriting machine. Shorthand. J. L. Sweeney. 2,399,769; May 7.
- Typographical composing machine. F. C. Frolander. 2,399,999; May 7.
- Ultra-high frequency apparatus. M. R. Richmond. 2,403,302-3; July 2.
- Ultra high frequency detector. A. E. Anderson. 2,409,608; Oct. 22.
- Ultra high-frequency device. D. G. Clifford and I. E. Mourmontseff. 2,407,974; Sept. 24.
- Ultra high frequency electron discharge device system. W. van B. Roberts. 2,404,745; July 23.
- Ultra high frequency electronic device. W. Shockley. 2,409,227; Oct. 15.
- Ultrahigh frequency electronic device contained within wave guides. A. L. Samuel. 2,402,184; June 18.
- Ultra high frequency filter. A. M. Gurewitsch. 2,392,664; Jan. 8.
- Ultra high frequency generator. O. H. Biggs and H. Heins. 2,408,903; Oct. 8.
- Ultra-high frequency ignition device. N. I. Korman. 2,403,290; July 2.
- Ultra high frequency oscillation generator. J. R. Ford. 2,412,805; Dec. 17.
- Ultra high frequency power measurement. A. M. Gurewitsch. 2,407,075; Sept. 3.
- Ultra-high frequency resonant cavities. S. A. Schelkunoff. 2,405,612; Aug. 13.
- Ultra high frequency signal-translating apparatus. R. B. Lawrence. 2,404,640; July 23.
- Ultra high frequency space resonant system. A. M. Gurewitsch. 2,411,424; Nov. 19.
- Ultra high frequency switch. D. R. De Tar. 2,413,298; Dec. 31.
- Ultra high frequency system. K. C. DeWalt. 2,412,416; Dec. 10.
- Ultra high frequency system. J. R. Whinnery. 2,404,261; July 16.
- Ultra high frequency tube. I. E. Mourmontseff and G. M. Dinnick. 2,394,397; Feb. 5.
- Ultra short wave system. C. H. Brown. 2,393,284; Jan. 22.
- Ultra short wave system. O. E. Dow. 2,404,279; July 16.
- Ultra violet transmitting glass. J. G. Hooley. 2,398,530; Apr. 16.
- Ultraviolet cell. G. W. Willard. 2,392,350; Jan. 8.
- Umbrella and cape. Combination. H. Navon. 2,412,415; Dec. 10.
- Umbrella. Rubber balloon. E. B. Klimashesky. 2,401,252; May 28.
- Undercarriage. Aircraft. J. M. Gwinn, Jr. 2,403,523; July 9.
- Undercutting and conveying element. C. E. Tibbals. 2,399,075; Apr. 23.
- Undercutting tool. H. J. M. Johnson and W. H. Kurth. 2,400,393; Mar. 28.
- Undergarment. L. G. and H. G. Arpin. 2,408,723; Oct. 8.
- Undergarment. F. A. Cohen. 2,392,724; Jan. 8.
- Undergarment. Lady's. E. M. Bryant. 2,401,457; June 4.
- Underlay for floor coverings. B. M. Randall. 2,405,235; Aug. 6.
- Underreamer. W. B. Dunlap, Jr. 2,397,652; Apr. 2.
- Underreamer. M. G. and N. L. Schutte. 2,401,515; June 4.
- Unidirectional-twist woven fabric and method. R. C. Whitman. 2,400,182; May 14.
- Uniform cap frame. S. O. Schlesinger. 2,393,270; Jan. 22.
- Union for masts, poles, and the like. W. C. Scrivener and A. G. Brewer. 2,410,245; Oct. 29.
- Unit. Dual slider. L. H. Morin. 2,393,551; Jan. 22.
- Unit for electric chimneys. Power. C. E. Waltman. 2,408,712; Oct. 1.
- Unit for fruit. Holding. N. E. Gaddini. 2,403,518; July 9.
- Unit for producing color flames. Fuel. C. B. F. Young. 2,398,571; Apr. 16.
- Unit for refitting coils. Protective collar. G. Seiler. 2,400,396; Oct. 15.
- Unit heater. W. J. Hartwig. 2,399,487; Apr. 30.
- Unit heater. H. B. Holthouse. 2,412,088; Dec. 3.
- Unit heater. H. G. Vacht. 2,412,789; Dec. 17.
- Unit. Motor-pump. J. B. Parsons. 2,393,406; Jan. 22.
- Unitary boring and countersinking tool. M. H. De Bruin and E. F. Fick. 2,409,616; Oct. 22.
- Unitary foldable music stand. W. Berg. 2,402,826; Dec. 31.
- Universal joint. E. B. Anderson. 2,402,006; June 11.
- Universal joint. W. R. Blomgren. 2,394,890; Feb. 12.
- Universal joint. C. L. Hamblen. 2,397,003; Mar. 19.
- Universal joint. R. B. Ransom. 2,396,750; Mar. 19.
- Universal joint. J. J. Shea. 2,395,792; Feb. 26.
- Universal joints. Fabricating. E. B. Anderson. 2,397,585; Apr. 2.
- Universal multiple cable clamp. H. L. Kindorf. 2,394,518; Feb. 5.
- Universal surgical stitching instrument. J. D. Karle. 2,393,910; Jan. 29.
- Unloader. Compressor. S. Hirsch. 2,408,932; Oct. 8.
- Unloader valve. B. N. Ashton and N. G. Kling. 2,397,117; Mar. 26.
- Unloading and loading mechanism. Grain. R. I. Patterson. 2,410,996; Nov. 12.
- Unloading apparatus. Truck. W. S. MacRae. 2,407,430; Sept. 10.
- Unloading device. G. A. Petroe. 2,393,932; Jan. 29.

- Unloading device, Car. S. P. Kinney and L. M. Hartwick. 2,406,546; Aug. 27.
- Unloading device, Vehicle bed. E. Lisota. 2,408,862; Oct. 8.
- Unloading double check valve. E. A. Rockwell and J. M. Roth. 2,412,428; Dec. 10.
- Unsaturated 5-amino-1,3-dioxanes and preparation thereof. M. Senkus. 2,399,068; Apr. 23.
- Unsaturated nitriles, Preparation of. D. J. Butterbaugh and L. U. Spence. 2,407,472; Sept. 10.
- Unshorting switch. W. A. Good. 2,395,782; Feb. 26.
- Unwinding machine. R. McC. Johnstone. 2,412,509; Dec. 10.
- Upper shaping machine. E. A. Holmgren. 2,395,480; Feb. 26.
- Upward acting molding press. W. R. Tucker. 2,410,909; Nov. 12.
- Urea-formaldehyde reaction products and producing same. M. T. Harvey and S. Caplan. 2,406,217; Aug. 20.
- Utensil and its heating means, Cooking. J. H. Grayson. 2,402,997; July 2.
- Utensil, Cooking. A. J. Gavalis. 2,402,883; June 25.
- Utensil, Cooking. A. W. Phillips. 2,403,191; July 19.
- Utensil, Cooking. O. Suttles. 2,411,345; Nov. 19.
- Utensil, Cooking. A. A. Wolfe. 2,413,204; Dec. 24.
- Utensil, Culinary. B. D. McDill. 2,397,902; Apr. 2.
- Utensil holder. A. Mosch. 2,412,056; Dec. 3.
- Utensil, Scraper. H. B. Atha. 2,410,192; Oct. 29.
- Utensil, Self-stirring cooking. P. Monath. 2,396,924; Mar. 19.
- Utility board. D. C. Braden. 2,394,141; Feb. 5.
- Utilizing waste heat, Method of and apparatus for. D. Dulin. 2,404,792; July 30.
- V-bearing. C. H. Phelps. 2,402,205; June 18.
- V-belt construction. H. Ogard. 2,403,007; July 9.
- Vacuum apparatus. K. C. D. Hickman 2,406,017; Aug. 20.
- Vacuum apparatus, Manufacture of. M. P. Wilder. 2,398,340; Apr. 9.
- Vacuum breaker, Automatic. D. G. Griswold. 2,394,911; Feb. 12.
- Vacuum chuck for glass lathes. C. B. Petry. 2,398,959; Apr. 23.
- Vacuum cleaner. E. T. Linderoth. 2,396,862; Mar. 19.
- Vacuum cleaner. G. E. Lofgren. 2,393,788; Jan. 29.
- Vacuum cleaner. N. B. Wales. 2,392,205; Jan. 1.
- Vacuum cleaning apparatus. F. W. Petri. 2,397,986; Apr. 9.
- Vacuum cleaning system. W. E. Bible. 2,405,129; Aug. 6.
- Vacuum control. T. C. Poulter and C. F. Stro. 2,402,913; June 25.
- Vacuum control check valve. B. G. Carlson. 2,392,458; Jan. 8.
- Vacuum distillation apparatus. High. K. C. D. Hickman. 2,396,374; Mar. 12.
- Vacuum distillation process and apparatus. K. C. D. Hickman. 2,408,639; Oct. 1.
- Vacuum pump. G. A. Becker. 2,397,591; Apr. 2.
- Vacuum tube. E. Labin. 2,410,349; Oct. 29.
- Vacuum tube connection. R. B. Hoffman. 2,412,987; Dec. 24.
- Vacuum tube connection. E. Labin and R. B. Hoffman. 2,412,992; Dec. 24.
- Vacuum tube electrodes, Producing. L. C. Goodale. 2,410,060; Oct. 29.
- Vacuum tube system. L. W. Schreiner. 2,398,050; Apr. 9.
- Vacuuming and gassing filled containers. H. L. Miner. 2,412,167; Dec. 3.
- Valise and chair, Combination. E. Valenti. 2,398,478; Apr. 16.
- Valve: See—
- Air cooled rotary valve.
- Antisiphon ball cock valve.
- Automatic antiback-flow valve.
- Automatic dilution system control valve.
- Automatic valve.
- Backwater valve.
- Balloon valve.
- Barometric fuel valve.
- Blowoff valve.
- Booster pressure relief valve.
- Brake valve.
- Butterfly valve.
- By-pass control valve.
- Cabin pressure control valve.
- Charger valve.
- Cold worked hollow stem valve.
- Combined chimney and blowoff valve.
- Control unit and dump valve.
- Control valve.
- Coilant contained valve.
- Deicing valve.
- Dispensing valve.
- Double-acting check valve.
- Double check unloading valve.
- Electrically operated valve.
- Emergency band pump control valve.
- Emergency valve.
- Expansion valve.
- Explosive operated valve.
- Filling nozzle valve.
- Filling valve.
- Float control valve.
- Float valve.
- Flow control valve.
- Fluid control valve.
- Fluid controlling valve.
- Fluid drive control valve.
- Fluid pressure actuated valve.
- Flux valve.
- Flux valve.
- Fuel control valve.
- Full cycle hydraulic valve.
- Gate valve.
- Governor valve.
- High-pressure control valve.
- High temperature valve.
- Hollow poppet valve.
- Hydraulic control valve.
- Hydraulic relief valve.
- Hydraulic safety valve.
- Hydraulic selector valve.
- Hydraulic valve.
- Inverted vent check valve.
- Light valve.
- Line pressure valve.
- Lock valve.
- Lubricant dispensing valve.
- Lubricated shutoff butterfly valve.
- Measuring valve.
- Multiport valve.
- Nonchilling throttle valve.
- Piston brake valve.
- Plug valve.
- Power intensifier valve.
- Pressure actuated sprayer valve.
- Pressure actuated valve.
- Pressure regulator valve.
- Pressure relief valve.
- Quick-action valve.
- Quick opening rotary valve.
- Radiator valve.
- Refrigeration expansion valve.
- Regulating valve.
- Relief valve.
- Reset valve.
- Rotary gate valve.
- Rotary valve.
- Rotating valve.
- Safety gas valve.
- Safety pressure relief valve.
- Safety valve.
- Sand slurry valve.
- Sheathed valve.
- Shuttle valve.
- Slush pump valve.
- Snap-on valve.
- Solenoid valve.
- Speed control valve.
- Sump selector valve.
- Surge valve.
- Temperature control valve.
- Thermostatic surge valve.
- Sheathed valve.
- Unloader valve.
- Unloading double check valve.
- Vacuum control check valve.
- Valve. E. S. Arnold. 2,401,129; May 28.
- Valve. J. H. Beach. 2,405,127; Aug. 6.
- Valve. H. L. Beckley and R. H. Gilbert and R. H. Lacart. 2,398,775; Apr. 23.
- Valve. W. R. Brant and H. G. Chapman, Jr. 2,404,349; July 23.
- Valve. J. D. Buchanan. 2,410,404; Nov. 5.
- Valve. C. Buckman. 2,408,010; July 30.
- Valve. W. C. Jagle. 2,402,406; June 18.
- Valve. M. Mallory. 2,406,087; Aug. 20.
- Valve. H. W. McPherson. 2,407,761; Sept. 17.
- Valve. N. B. Newton and R. Fennema. 2,406,243; Aug. 20.
- Valve. H. S. Ogden. 2,406,246; Aug. 20.
- Valve. H. W. Osburn. 2,392,800; Jan. 8.
- Valve. H. L. Paul. 2,394,471; Feb. 5.
- Valve. I. N. Reed. 2,392,880; Jan. 15.
- Valve. L. O. Reichelt and D. V. Waters. 2,404,529; July 23.
- Valve. V. Remus. 2,410,105; Oct. 29.
- Valve. H. W. Rice. 2,394,105; Feb. 5.
- Valve. L. C. Rotter and V. G. Klein. 2,394,487; Feb. 5.
- Valve. T. F. Saffady. 2,395,942; Mar. 5.
- Valve. P. K. Saunders. 2,397,373; Mar. 26.
- Valve. J. F. Schiller. 2,398,000; Sept. 24.
- Valve. P. Spence. 2,399,301; Apr. 30.
- Valve. G. N. Strike. 2,399,767; May 7.
- Valve. B. G. Sutton. 2,412,232; Dec. 10.
- Valve. A. S. Volpin. 2,401,123; May 28.
- Valve. J. I. Yellott, R. A. Ackley, and A. J. Rosenberger. 2,393,442; Jan. 22.
- Valve action for cornets, trumpets, and like instruments. O. E. Swinehart. 2,404,818; July 30.
- Valve actuating mechanism. L. D. Harrison. 2,412,457; Dec. 10.
- Valve actuating mechanism. A. Mueller. 2,412,529; Dec. 10.
- Valve actuating mechanism. L. I. Plank. 2,404,311; July 16.
- Valve and control therefor, Reset. W. A. Ray. 2,403,611; July 9.
- Valve and faucet, Drum. W. R. J. Woock. 2,405,681; Aug. 13.
- Valve and water adaptor for tire tubes, Combination. K. V. Baker. 2,400,969; May 28.
- Valve apparatus, Pulse generating thermionic. A. D. Blumlein and E. L. C. White. 2,405,552; Aug. 13.
- Valve assembly. G. T. McDure. 2,392,519; Jan. 8.
- Valve assembly. A. J. Penick. 2,406,099; Aug. 20.
- Valve bags, Making. H. E. Lee. 2,392,094; Jan. 1.
- Valve cap. W. J. Roberts. 2,406,563; Aug. 27.
- Valve closure, Plug. S. J. Nordstrom. 2,398,444; Apr. 16.
- Valve construction. I. E. McCabe. 2,410,546; Nov. 5.
- Valve construction. C. Pool. 2,392,501; Jan. 8.
- Valve construction. L. D. Schmit. 2,409,517; Oct. 15.
- Valve construction, High pressure. T. R. Smith. 2,403,029; July 2.
- Valve construction, Hydraulic. T. R. Smith. 2,408,006; Sept. 24.
- Valve control for predetermining counters. Slow closing. P. Renfrew and W. F. Berck. 2,395,795; Feb. 26.
- Valve control mechanism. R. A. Kaser. 2,395,969; Mar. 5.
- Valve control mechanism, Engine. A. T. Gregory. 2,410,411; Nov. 5.
- Valve control, Throttle. C. R. Briggs. 2,401,545; June 4.
- Valve device. G. T. McDure. 2,404,514; July 23.
- Valve device. W. W. Paget. 2,392,178; Jan. 1.
- Valve device, Control. A. J. Bent. 2,398,877; Apr. 23.
- Valve device, Control. J. C. McCune. 2,398,907; Apr. 23.

- Valve device, Protection. G. T. McClure. 2,407,890; Sept. 17.
- Valve for bottled gas systems, Pressure reduction. H. G. Martin. 2,393,545; Jan. 22.
- Valve for controlling distribution of fluids. A. J. Yanka. 2,403,777; July 9.
- Valve for controlling high-pressure fluids. F. S. Carver. 2,399,102; Apr. 23.
- Valve for fluid pressure systems, Regulator or unloading. H. B. Schultz. 2,393,571; Jan. 22.
- Valve for gas compressors, Inlet. W. S. Powell. 2,410,522; Nov. 5.
- Valve for gas dispensing systems, Change-over. A. D. Krugler. 2,397,870; Apr. 2.
- Valve for hose couplings. J. H. Harrison and H. E. Byers. 2,409,753; Oct. 22.
- Valve for hydraulic motors, Controlling. T. F. Stacy. 2,398,811; Apr. 23.
- Valve for internal-combustion engine. E. N. Jacobi. 2,403,001; July 2.
- Valve for internal-combustion engine, Hollow. R. A. Lincoln. 2,407,561; Sept. 10.
- Valve for internal-combustion engines, Rotary sleeve. G. Davies. 2,395,994; Mar. 5.
- Valve for jet, Automatic control. T. S. Harris. 2,409,561; Oct. 15.
- Valve for pressure cabins, Auxiliary relief. R. J. Schroeder. 2,393,343; Jan. 22.
- Valve for radiators, Thermostatic vent. E. Jacobus. 2,400,297; May 14.
- Valve for reciprocating motors, Starting. R. R. Killan. 2,394,074; Feb. 5.
- Valve for shock absorbers, resilient devices, dashpots and the like, Damping. A. E. Bingham. 2,397,640; Apr. 2.
- Valve for steam engines, Steam actuated pilot controlled distribution. J. Sim. 2,412,478; Dec. 10.
- Valve for thermostatic devices, Vent. W. B. Griffith. 2,392,087; Jan. 1.
- Valve for torpedo exercise head, Exhaust. M. G. Leonard. 2,412,224; Dec. 10.
- Valve for use in automatically by-passing a hydraulic unit or the like, Emergency relief. H. P. Wills. 2,404,936; July 30.
- Valve for wobble plate meters, Compound motion fluid distribution. D. S. Willson. 2,413,670; Dec. 31.
- Valve gear. R. Chilton. 2,404,827; July 30.
- Valve inserting mechanism. D. F. O'Brien. 2,396,964; Mar. 19.
- Valve key assembly. M. S. Brockman. 2,394,143; Feb. 5.
- Valve linkage. O. M. Burkhardt. 2,411,650; Nov. 26.
- Valve mechanism. W. B. Bronander. 2,411,776; Nov. 26.
- Valve mechanism. P. J. Burchett. 2,406,892; Aug. 27.
- Valve mechanism. R. Chilton. 2,404,828; July 30.
- Valve mechanism. R. G. Dykeman. 2,394,672; Feb. 12.
- Valve mechanism. W. A. Eaton. 2,401,681; June 4.
- Valve mechanism. E. R. Fitch. 2,399,996; May 7.
- Valve mechanism. O. H. Ludeman. 2,403,427; July 2.
- Valve mechanism. H. J. Williams. 2,401,716; June 3.
- Valve mechanism, By-pass. H. L. Blum. 2,396,815; Mar. 19.
- Valve mechanism for compressed gas circuit interrupters. B. P. Baker and H. J. Webb. 2,411,356; Nov. 19.
- Valve mechanism for internal-combustion engines. E. P. Paxman. 2,397,882; Apr. 2.
- Valve mechanism, Multiselector. K. B. Britton. 2,399,460; Apr. 30.
- Valve member, Composite. J. W. Kelly. 2,397,269; Mar. 26.
- Valve of internal-combustion engines. A. F. Sanders. 2,396,347; Mar. 12.
- Valve operating mechanism. A. Chilton. 2,398,206; Apr. 9.
- Valve puller. D. T. Harrison. 2,398,305; Apr. 9.
- Valve rotating device. E. K. Ralston. 2,397,502; Apr. 2.
- Valve seat construction. J. C. Hobbs. 2,391,899; Jan. 1.
- Valve seat grinding tool. P. Weynand. 2,394,882; Feb. 12.
- Valve seat insert assembly and assembly method and means. S. H. Norton. 2,406,963; Sept. 3.
- Valve shutoff system, Repeating. M. Cornell and A. R. Vahlthaker. 2,422,710; Jan. 22.
- Valve stems or the like, Insert for. L. C. Broecker. 2,397,334; Mar. 26.
- Valve structure. S. G. Harwood. 2,392,319; Jan. 8.
- Valve structure, Combination. J. A. Brooks. 2,406,941; Sept. 3.
- Valve system and control therefor. L. G. Daniels. 2,407,539; Sept. 10.
- Valve system, Electric. M. M. Morack. 2,411,742; Nov. 26.
- Valve system for sea wave power installations. P. F. Daniel. 2,410,490; Nov. 5.
- Valve tappet, Hydraulic extensible. O. W. Meth. 2,393,793; Jan. 29.
- Valve tappet mounting. G. E. Burks. 2,404,032; July 16.
- Valve with oven valve lock attachment, Master safety. W. R. Jones. 2,413,237; Dec. 24.
- Valved bag. C. V. Brady. 2,393,739; Jan. 29.
- Valveless suction apparatus. J. A. Betts. 2,394,888; Feb. 12.
- Valves for tanks, Venting and discharge. C. H. and P. H. Scott. 2,409,071; Oct. 8.
- Valves, Liquid sealed vent. J. H. Wiggins. 2,400,450; May 14.
- Valves, Screening of amplifying. G. Liebmann. 2,400,011; May 7.
- Vanadium, Recovery of. A. Hixson and R. Miller. 2,407,008; Sept. 3.
- Vane for oil heat beaters, Air deflector. B. Spieth. 2,413,118; July 23.
- Vane motor. E. E. Petzold. 2,407,901; Sept. 17.
- Vane type booster pump. R. R. Curtis. 2,400,391; May 14.
- Vanillin Making. R. Servis. 2,399,607; Apr. 30.
- Vanity bore. L. P. Root. 2,393,568; Jan. 22.
- Vanity for automobile compartments. S. J. Winslow. 2,406,450; Aug. 27.
- Vapor-electric device. J. E. Raymond. 2,401,016; May 28.
- Vapor electric device. H. A. Rose. 2,394,013; Feb. 5.
- Vapor-electric system. J. H. Cox and H. C. Myers. 2,397,089; Mar. 26.
- Vapor generating apparatus. P. W. Foster, Jr. 2,403,432; July 9.
- Vaporizer. J. Graziano. 2,411,204; Nov. 19.
- Vapor generator. R. V. Jones, A. C. Foster, and E. R. Kilsby. 2,395,873; Mar. 5.
- Vapor heating system. A. F. Hoessel. 2,412,168; Dec. 3.
- Vapor-proofing material, Moisture. L. M. Burgess and G. E. Abson. 2,395,123; June 18.
- Vapor vacuum pump. P. Alexander and C. Whiley. 2,404,023; July 16.
- Vaporization burner. G. P. Kittel and P. D. Wollner. 2,396,577; Mar. 12.
- Vaporizer. J. Graziano. 2,411,204; Nov. 19.
- Vaporizer, Steam. R. R. Fisher. 2,392,372; Jan. 8.
- Vaporizer, Volatile liquid. J. F. Armathes. 2,397,230; Mar. 26.
- Vaporizing apparatus. J. W. Martin. 2,408,084; Sept. 24.
- Vaporizing burner. L. P. Breese. 2,396,820; Mar. 10.
- Vaporizing device. C. F. J. Dupuy. 2,412,326; Dec. 10.
- Vaporizing means. T. L. Triplett. 2,406,517; Aug. 27.
- Vaporizing tank. R. F. Goode. 2,400,821; May 21.
- Variable blower drive. L. S. Hobbs. 2,400,306; May 14.
- Variable compression ratio internal-combustion engine. H. J. Kratzer. 2,399,276; Apr. 30.
- Variable condenser. L. M. Hammond. 2,394,686; Feb. 12.
- Variable condenser. G. H. Stephens. 2,394,947; Feb. 12.
- Variable delivery and reversing pump. D. J. Orr. 2,406,964; Sept. 3.
- Variable diameter and variable pitch propeller. W. S. Hoover. 2,404,290; July 16.
- Variable displacement pump. J. F. Joy. 2,400,119; May 14.
- Variable leverage brake. B. H. Browall. 2,405,939; Aug. 20.
- Variable load brake. G. L. Cotten. 2,395,170; Feb. 19.
- Variable load brake. G. T. McClure. 2,396,431; Mar. 12.
- Variable load brake. E. G. Mueller. 2,409,886; Oct. 22.
- Variable load brake. L. I. Pickert. 2,408,123; Sept. 24.
- Variable output pump. R. J. Infield and W. E. W. Nicolls. 2,403,371; July 2.
- Variable resistance. A. W. Fischer. 2,407,544; Sept. 10.
- Variable resistance. F. E. Riling. 2,396,970; Mar. 19.
- Variable resistor. A. C. Ruge. 2,403,951; July 16.
- Variable speed device. W. H. Newell. 2,412,468; Dec. 10.
- Variable speed drive. D. Heyer. 2,395,625; Feb. 26.
- Variable-speed drive. L. S. Hobbs and A. V. D. Willgoos. 2,400,307; May 14.
- Variable speed hydraulic coupling. G. E. Bock. 2,396,149; Mar. 5.
- Variable-speed motor. L. C. Packer. 2,409,891; Oct. 22.
- Variable-speed power transmission mechanisms, Controlling. H. M. Kesterton. 2,405,699; Aug. 13.
- Variable-speed transmission. L. E. Jones. 2,405,957; Aug. 20.
- Variable stroke mechanism. R. H. Breithner, H. L. Selden, C. T. Breitenstein, and F. G. Nicholas. 2,410,708; Nov. 5.
- Variable torque drive. E. D. Hanson. 2,395,047; Feb. 19.
- Variable tread vehicle. T. O. Davidson and L. B. Schauer. 2,410,271; Oct. 29.
- Variable volume chamber centrifugal pump. C. W. Chase. 2,396,083; Mar. 5.
- Varnish base, Blown wrinkle. W. A. Waldie. 2,395,360-1; Feb. 19.
- Varnish bases, Sulfur-treated. L. Auer. 2,413,281; Dec. 31.
- Varnish compositions, Preparation of. A. E. Rheineck and S. B. Creelcius. 2,403,300; July 2.
- Varnish paper liner facing material. C. E. Maier. 2,412,592; Dec. 17.
- Varnishes, Making. L. R. J. Klentz. 2,408,782; Oct. 8.
- Varnishing armatures and the like. D. F. Alexander. 2,411,150; Nov. 19.
- Vegetable concentrates and preparing same. R. Perech. 2,393,561; Jan. 22.
- Vegetable matter in pipes, Destroying. A. C. Ripley. 2,397,328; Mar. 26.
- Vegetable washer. G. E. Suellof. 2,412,430; Dec. 10.
- Vegetables, Dehydrating. M. W. Miller. 2,406,431; Aug. 27.
- Vegetables for shipment, Packing leafy. W. H. Wilson. 2,413,129; Dec. 24.

- Vehicle: See—
Aerial and land vehicle.
Airplane loading and service vehicle.
Amphibian vehicle.
Amphibious vehicle.
Automotive vehicle.
Child's vehicle.
Coal mine haulage vehicle.
Combination aerial and land vehicle.
Dirt scraping and carrying vehicle.
Double deck vehicle.
Dual wheel vehicle.
Heavy duty vehicle.
High-speed vehicle.
Litter-carrying vehicle.
Material haulage vehicle.
Vehicle. R. E. and E. W. Choate. 2,406,944; Sept. 3.
Vehicle. E. E. Kearns. 2,399,929; May 7.
Vehicle. G. G. McNamara, Jr. 2,407,092; Sept. 3.
Vehicle. D. C. Ormsby. 2,396,503-4; Mar. 19.
Vehicle atmospheric suspension system. W. H. Taylor. 2,393,942; Jan. 29.
Vehicle attachment, Motor. J. Paymer. 2,406,161; Aug. 20.
Vehicle body. A. P. Ball. 2,410,332; Oct. 29.
Vehicle body. T. Vignostad and S. N. Juul. 2,411,945; Dec. 3.
Vehicle brake. J. S. Irving and T. K. Mace. 2,395,551; Feb. 26.
Vehicle brake mechanism. J. G. Ingres. 2,395,223; Feb. 19.
Vehicle construction. R. F. Thornton. 2,395,769; Feb. 26.
Vehicle construction, Self-propelled. J. C. Rumsey. 2,402,297; June 18.
Vehicle door latch. H. W. Bightmyer. 2,407,999; Sept. 24.
Vehicle draw bar. M. A. Richardson. 2,409,313; Oct. 15.
Vehicle drive control mechanism. E. Orshansky, Jr. 2,393,557; Jan. 22.
Vehicle equalizing suspension. G. L. Larison. 2,413,572; Dec. 31.
Vehicle for children. E. T. Holder. 2,402,046; June 11.
Vehicle for heated gas, Transport. O. A. Hansen. 2,412,146; Dec. 3.
Vehicle jack. R. H. McClure. 2,401,787; June 11.
Vehicle jack. P. P. Parrott. 2,411,803; Nov. 26.
Vehicle lighting system. W. C. Melnerding. 2,397,748; Apr. 2.
Vehicle lock. R. E. Marine. 2,413,025; Dec. 24.
Vehicle running gear. W. H. Sackel. 2,411,836; Nov. 26.
Vehicle seat mounting. A. A. Issigons. 2,396,511; Mar. 12.
Vehicle signal. W. Trautner. 2,409,403; Oct. 15.
Vehicle signal switch. H. E. Wilbert. Sr. 2,411,702; Nov. 26.
Vehicle suspension. W. B. Fageol. 2,404,794; July 30.
Vehicle suspension. A. S. Krotz. 2,409,501; Oct. 15.
Vehicle suspension. G. H. Parker. 2,393,183; Jan. 15.
Vehicle suspension. J. R. Peach. 2,396,528; Mar. 12.
Vehicle suspension. A. S. Krotz. 2,396,579; Mar. 12.
Vehicle suspension. K. Wilfert and B. Barenzy. 2,401,209; May 28.
Vehicle suspension control mechanism. A. M. Wolf. 2,405,250; Aug. 6.
Vehicle towing device. F. E. Blair and I. Lada. 2,411,411; Nov. 19.
Vehicle undercarriage. J. T. Mitten. 2,402,428; June 18.
Vehicle wheel. J. Magdus. 2,404,309; July 16.
Vehicle wheel. W. L. Moore. 2,398,951; Apr. 23.
Vehicle wheel. C. W. Sinclair. 2,407,749; Sept. 17.
Vehicle wheel. A. M. Stanley. 2,403,690; July 9.
Vehicle wheel carrier. J. W. Roberts. 2,410,902; Nov. 12.
Vehicle wheel connecting joint. F. W. Slack and C. C. Utz. 2,405,458; Aug. 6.
Vehicle wheel mounting. G. L. Larison. Re. 22,714; Jan. 22.
Vehicle wheels, Resilient suspension of. G. F. Halliday. 2,401,869; June 11.
Vehicle window regulator mounting. J. B. Parsons. 2,398,852; Apr. 23.
Vehicles for steam-set printing inks. J. W. Kroeger and D. J. O'Connor, Jr. 2,400,519; May 21.
Vehicles, Hydraulic braking system for. R. L. Levy. 2,402,115; June 11.
Vehicles, Method of and mechanism for breaking heavy duty automotive. J. G. Oetzel. 2,395,904; Mar. 5.
Vehicles, Mounting the travelling wheels of road. R. F. Gordon. 2,401,683; June 4.
Vehicles, Power steering mechanism for. R. L. Akers. 2,409,215; May 14.
Vehicles, Power steering mechanism for. R. G. Le Tournau and R. L. Akers. 2,400,239; May 14.
Vehicles, Track for. F. L. Haushalter. 2,402,042; June 11.
Velocipede, Hobbyhorse. J. R. Sieger. 2,400,265; May 14.
Velocity modulation impulse generator. R. R. Buss. 2,402,364; June 18.
Vending machine. M. J. Auerbach. 2,399,612; May 7.
Vending machine. B. W. Fry. 2,413,304; Dec. 31.
Vending machine. I. E. Kidwell. 2,413,454; Dec. 31.
Vending machine. G. G. and T. D. Lo Cascio. 2,398,543; Apr. 16.
Vending machine. C. F. Pease. 2,410,231; Oct. 29.
Vending machine. J. B. Ryno and C. L. Casey. 2,412,539; Dec. 10.
Vending machine, Bottle. J. R. Donaldson. 2,399,105; Apr. 23.
Vending machine door. N. M. Denison. 2,411,713; Nov. 26.
Vending machine for newspapers and the like. J. J. Cubete. 2,394,292; Feb. 5.
Vending machine, Vertical. H. T. Larimore. 2,405,891; Aug. 13.
Venetian blind. K. R. Horton. 2,405,255; Aug. 6.
Venetian blind. D. Kwon. 2,409,943; Oct. 22.
Venetian blind holder. G. W. Poose. 2,398,524; Apr. 16.
Venetian blind rail and tape fastener. B. B. Junkunc. 2,391,904; Jan. 1.
Vent, Fuel tank. W. B. O'Neal. 2,403,749; July 9.
Vent system, self-locking. P. H. Valentine. 2,404,765; July 22.
Ventilated spectacle frame. C. E. Morley and H. S. Davis. 2,394,799; Feb. 12.
Ventilating apparatus. W. C. Prosser. 2,399,384; Apr. 30.
Ventilating apparatus. L. J. Shumaker. 2,406,168; Aug. 20.
Ventilating attachment for welders' helmets. W. D. O'Quinn. 2,409,641; Oct. 22.
Ventilating system, Crankcase. E. McCormick. 2,410,514; Nov. 5.
Ventilation. Synchronous converter. C. Lynn. 2,399,366; Apr. 30.
Ventilation system, Ambulance. E. L. Schofield. 2,398,894; Apr. 23.
Ventilation system and apparatus, Crankcase. D. G. Ross. 2,407,178; Sept. 3.
Ventilator. G. B. Brown and E. M. Jenkins. 2,401,902; June 11.
Ventilator. W. W. Hargrett. 2,403,596; July 9.
Ventilator. G. C. Hoeh. 2,404,961; July 30.
Ventilator. H. Knutson. 2,410,950; Nov. 12.
Ventilator. C. N. O'Dar. 2,396,746; Mar. 19.
Ventilator, Flush. F. N. Nelson. 2,397,684; Apr. 2.
Ventilator for raincoats and the like. M. A. Chavannes. 2,400,627; May 21.
Ventilator for ship portholes, Special louver-type. A. P. and H. Fischer. 2,395,619; Feb. 26.
Ventilator, Lavatory. L. N. Harbeck. 2,396,371; Mar. 12.
Ventilator, Passenger body. M. G. Mann. 2,397,282; Mar. 26.
Ventilator, Stationary. E. M. Jenkins. 2,392,742; Jan. 8.
Ventilator unit. A. K. Gaylord. 2,392,093; Jan. 1.
Ventilator, Window. R. Amor. 2,398,762; Apr. 23.
Ventilator, Window. W. V. Barrowclough. 2,398,914; Apr. 23.
Venting means. E. O. Wirth. 2,406,120; Aug. 20.
Verniculate, Bonding. H. T. Bellamy. 2,397,083; Mar. 12.
Vernier height gauge. C. N. Barlow. 2,394,137; Feb. 5.
Vertical angles, Instrument for measuring. R. O. Burgess. 2,401,609; June 4.
Vertical jack. H. E. Page. 2,400,316; May 14.
Vertical mill. E. G. Eppenbach and H. Imshaug. 2,403,914; July 16.
Vertical mixer. T. Jensen. 2,404,380; July 23.
Vessel and handling machine. A. M. McDougall. 2,406,236; Aug. 20.
Vessel, Pressure. J. W. Overbeke. 2,401,791; June 11.
Vessel, Pressure. A. T. Thompson. 2,412,434; Dec. 10.
Vessel, Storage. H. C. Boardman. 2,393,064; Feb. 5.
Vessels, Automatic steering of marine. W. M. Nye. 2,401,771; June 11.
Veterinary compositions. A. L. Flenner and C. A. Litton. 2,407,456; Sept. 10.
Vibratable objects, Testing for imperfections in. F. W. Williams and J. Clark. 2,412,240; Dec. 10.
Vibrating and jogging machine for sheet stock. G. F. Brisendine. 2,396,822; Mar. 19.
Vibrating mechanism, Screen. E. B. Cook. 2,403,502; July 9.
Vibration absorber, Torsional. A. R. Holowenko. 2,411,373; Nov. 19.
Vibration-absorbing pad. R. D. Wilkins. 2,395,949; Mar. 5.
Vibration absorbing support. C. Hussman. 2,408,856; Oct. 8.
Vibration absorption support. C. S. Robinson. 2,394,106; Feb. 5.
Vibration apparatus. C. Leavell and J. A. Wheeler. 2,400,650; May 21.
Vibration dampening means. G. B. Du Bois, B. L. Madden, and F. C. Meyer. 2,396,363; Mar. 12.
Vibration detector. R. Black, Jr. 2,410,805; Nov. 12.
Vibration preventing syphon tube support. A. W. Uhl. 2,410,763; Nov. 5.
Vibrationproof coupling. P. D. Wurzbarger. 2,394,351; Feb. 5.
Vibrato producing means for musical instruments. E. F. Geriat. 2,412,212; Dec. 10.

- Vibrator. H. Benioff. 2,402,593; June 25.
 Vibrator. C. Huettner. 2,402,815; June 25.
 Vibrator. R. H. Whitehead. 2,406,730; Aug. 27.
 Vibrator and heater, Valve. R. De O. McDill. 2,400,158; May 14.
 Vibrator circuit. C. Huettner. 2,410,974; Nov. 12.
 Vibrator, Electromagnetic. W. S. Simmle. 2,405,761; Aug. 13.
 Vibrator, High frequency. E. E. Turner, Jr. 2,402,697; June 25.
 Vibrator, Piezoelectric. H. Benioff. 2,405,186; Aug. 6.
 Vibratory device, Polyphase. J. S. Arnold. 2,401,600; June 4.
 Vibratory feeder. C. J. Johnson. 2,394,914; Feb. 12.
 Vibratory motor. E. S. Tormie. 2,396,397; Mar. 12.
 Vibrograph. F. C. Rushing, H. C. Werner, and B. Cametti. 2,393,069; Jan. 15.
 Vibrometer. D. E. Gillum and C. J. Gallant. 2,408,392; Oct. 1.
 Viewer for optical instruments. G. E. Burton. 2,401,224; May 28.
 Viewor, Stereoscopic. R. H. Varian. 2,408,115; Sept. 24.
 Viewing and illuminating device, Optical. A. A. Gradsar and G. E. Guellich. 2,406,538; Aug. 27.
 Viewing device. R. V. Beshegor. 2,404,943; July 30.
 Viewing device, Film. C. J. Eckert. 2,410,722; Nov. 5.
 Viscous, Making high strength. F. C. Silbernagel. 2,395,510; Feb. 26.
 Vinyl-acetate polymers, Aqueous dispersions. J. E. Smith and W. A. Drummond. 2,413,197; Dec. 24.
 Vinyl aromatic compounds, Polymerization of. R. B. Seymour. 2,408,690; Oct. 1.
 Vinyl chloride-luminate ester copolymer, Modified. H. J. Richter. 2,395,581; Feb. 26.
 Vinyl chloride, Manufacture of. H. M. Stanley. 2,407,039; Sept. 3.
 Vinyl chloride, Production of. J. F. Weiler. 2,412,308; Dec. 10.
 Vinyl compounds, Copolymerization of. E. C. Britton and W. J. Le Fevre. 2,407,946; Sept. 17.
 Vinyl compounds, Inhibiting polymerization of. J. R. Durland. 2,402,806; June 25.
 Vinyl compounds, Polymerizing. W. D. Wolfe. 2,393,007; Jan. 15.
 Vinyl compounds, Stabilization of. J. R. Durland. 2,410,408; Nov. 5.
 Vinyl cyanide, Production of. H. D. Green and D. S. Taylor. 2,413,496; Dec. 31.
 Vinyl cyanide, Production of. C. R. Harris. 2,410,820; Nov. 12.
 Vinyl cyanide, Production of. C. R. Harris. 2,413,623; Dec. 31.
 Vinyl ester co-polymerization products. C. A. Thomas. 2,406,717; Aug. 27.
 Vinyl esters. R. B. Seymour. 2,404,929; July 30.
 Vinyl ether polymers, Stabilization of. C. E. Schildknecht. 2,395,684; Feb. 26.
 Vinyl halide resins, Color stabilization of. F. W. Cox and J. M. Wallace, Jr. 2,410,775; Nov. 5.
 Vinyl halides, Heat polymerization of. F. K. Schoenfeld. 2,395,344; Feb. 19.
 Vinylidene chloride polymer extrusion. R. M. Wiley. 2,409,521; Oct. 15.
 Vinylite sheeting, Wettable coating for. G. P. Waugh and W. O. Kenyon. 2,412,699; Dec. 17.
 Vinyl n-butyl ether, Manufacture of. W. J. R. Evans. 2,406,674; Aug. 27.
 Vinyl polymers. H. W. Arnold, M. M. Brubaker, and G. L. Dorrough. 2,404,781; July 30.
 Vinyl polymers. D. D. Coffman and F. C. McGrew. 2,404,791; July 30.
 Vinyl resin articles, Antistatic treatment of. W. N. Stoops and A. L. Wild. 2,402,820; Jan. 15.
 Vinyl resin coating composition. G. M. Powell, III. 2,411,590; Nov. 26.
 Vinyl resin dispersion, Liquid. G. P. Mack. 2,399,684; May 7.
 Viscose, Manufacture of threads, filaments, and the like from. D. S. Dawson. 2,393,595; Jan. 29.
 Viscosimeter. R. N. Griesheimer. 2,392,662; Jan. 8.
 Viscous materials, Apparatus for the movement of. J. M. Perigat. 2,399,249; Apr. 30.
 Vise. S. W. Jordan. 2,393,941; Apr. 23.
 Vise. G. J. Meyer. 2,407,341; Sept. 10.
 Vise, Combined drill and mill. J. M. Downing. 2,402,537; June 25.
 Vise, Drilling. J. F. Anderson. 2,407,769; Sept. 17.
 Vise lock. R. O. Heinrich. 2,402,820; Jan. 15.
 Vise, Pipe. H. G. Butt. 2,405,288; Aug. 6.
 Vise, Pipe. S. J. Rutka. 2,398,332; Apr. 9.
 Vise, Pneumatic hydraulic. F. W. Kent. 2,402,411; June 18.
 Vise, Quick acting. T. Gorzelany. 2,401,066; May 28.
 Vise structure. A. J. Matter. 2,394,709; Feb. 12.
 Vision devices, Periscope. R. M. Eckerman and C. E. Fisher. 2,400,401; May 7.
 Visor. P. T. Simmons. 2,400,958; May 28.
 Visual aid device for relative movement. D. Immerman. 2,400,149; May 14.
 Visual position and phase sense indicator. J. E. Shepherd and J. D. Mallett. 2,406,858; Sept. 3.
 Vitamin A activity and new vitaminous products, Preparing substances having. N. D. Embree and E. M. Shantz. 2,410,375; Nov. 5.
 Vitamin A and vitamin A-containing material, Stabilization of. J. Korner and H. P. Loomis. 2,394,456; Feb. 5.
 Vitamin B₆, Synthesis of. S. A. Harris. 2,399,347; Apr. 30.
 Vitamin B₆, Synthesis of. L. J. Sraho. 2,410,531; Nov. 5.
 Vitamin-bearing materials, Treating fat-soluble. L. O. Buxton. 2,396,679; Mar. 19.
 Vitamin carrying mediums in food products, Proportioning. A. C. Richardson. 2,395,067; Feb. 19.
 Vitamin concentrates, Producing. L. O. Buxton. 2,412,766; Dec. 17.
 Vitamin concentration. L. J. Van Orden. 2,394,968; Feb. 12.
 Vitamin containing products, Stable. L. O. Buxton and H. J. Konec. 2,401,293; June 4.
 Vitamin D, Production of. J. Waddell and W. W. Woessner. 2,410,254; Oct. 29.
 Vitamin fractionation, Fat-soluble. L. O. Buxton. 2,404,618; July 23.
 Vitamin intermediate, Preparation of. E. J. Lawson and H. C. Parke. 2,399,362; Apr. 30.
 Vitamin products, Antianemia. J. J. Pfiffner, S. B. Binkley, E. S. Bloom, and A. D. Emmett. 2,407,096; Sept. 3.
 Vitamins, Concentration of fat-soluble. L. O. Buxton. 2,412,561; Dec. 17.
 Vitamins, Concentration of fat-soluble. E. M. Shantz. 2,410,590; Nov. 5.
 Vitamins of the type B₆, Preparation of. R. König, A. Gerecs, and Z. Földi. 2,393,109; Jan. 15.
 Vitreous composition. A. J. Derrup. 2,413,549; Dec. 31.
 Vitreous compositions. G. Buechner. 2,405,011; July 30.
 Volatile ester of hydroxy carboxylic acids, Manufacturing. E. M. Filachione and C. H. Fisher. 2,405,646; Aug. 13.
 Voltage comparison apparatus. M. H. Schrenk and G. C. Schleter. 2,395,912; Mar. 5.
 Voltage doubler. W. W. Garstang. 2,392,472; Jan. 8.
 Voltage doubler and timer circuit. T. B. Perkins. 2,409,583; Oct. 15.
 Voltage measuring device for power transformers. P. Walldvogel. 2,396,764; Mar. 19.
 Voltage regulated rectifying system. J. A. Potter. 2,413,033; Dec. 24.
 Voltage regulation. W. H. Bixby. 2,409,610; Oct. 22.
 Voltage regulator. W. R. Carter. 2,412,124; Dec. 3.
 Voltage regulator. K. J. Stiefel. 2,399,266; Apr. 30.
 Voltage regulator. D. E. Truckess. 2,392,434; Jan. 8.
 Voltage-regulator system, Quick acting. E. L. Harder. 2,393,044; Jan. 15.
 Voltages, particularly for automatic volume control, Amplifying arrangement. C. T. Scully. 2,400,956; May 28.
 Voltmeter. P. D. Zottu. 2,412,191; Dec. 3.
 Voting machine. A. N. Gustavson. 2,407,831; Sept. 17.
 Voting machines. A. N. Gustavson. 2,407,981; Sept. 24.
 Vulcanizable composition. H. S. Rothrock and W. H. Wood. 2,397,372; Mar. 26.
 Vulcanization apparatus. C. M. Semler. 2,411,558; May 27.
 Vulcanizer. P. Schmid and H. Hylton. 2,404,989; July 30.
 Vulcanizer. E. J. von der Heide. 2,405,077; July 30.
 Vulcanizer, Tire casing. H. V. James. 2,406,498; Aug. 27.
 Vulcanizing machine. F. R. Britt. 2,397,404; Mar. 26.
 Vulcanizing mold and operation. W. E. Humphrey. 2,404,636; July 23.
 Vulcanizing. C. D. Davidson. 2,406,455; Aug. 27.
 Wagon, Bale loading and unloading. A. Voth. 2,405,534; Aug. 6.
 Wagon body, Grain housing. J. L. Ricketts. 2,411,056; Nov. 12.
 Wagon body, Metal. W. D. Johnson. 2,405,358; Aug. 6.
 Waistband for garments, Adjustable. I. Lyons. 2,393,392; Jan. 22.
 Walk, Railway car roof. G. G. Gilpin. 2,404,284; July 16.
 Walking aid. L. Vrooman and S. Smalley. 2,413,202; Dec. 24.
 Walking apparatus for excavators. T. C. Mullins. 2,399,375; Apr. 30.
 Walking device. K. F. Hahn. 2,392,735; Jan. 8.
 Walking iron. E. D. Green. 2,401,068; May 28.
 Wallboard construction, Prefabricated. B. J. Bartholomew. 2,399,978; May 7.
 Wallboard package and holder. A. B. Bicknell. 2,393,514; Jan. 22.
 Wall, Railway car. J. S. Swann. 2,403,467; July 9.
 Wall, Retaining. L. Cardwell. 2,405,289; Aug. 6.
 Wall construction. K. W. Benham. 2,397,046; Apr. 9.
 Wall construction. M. T. Straight. 2,411,477; Nov. 19.
 Wall construction, Coke-oven. W. C. Rueckel. 2,393,658; Jan. 29.
 Wall, Container. W. O. Manor. 2,410,860; Nov. 26.
 Wall covering. W. O. Herbes. 2,394,379; Feb. 5.
 Wall covering and the like. L. W. Staunton, J. W. Close, and R. A. Hess. 2,397,817; Apr. 2.
 Wall for railway hopper cars, Side. G. G. Gilpin. 2,412,807; Dec. 17.

- Wall, Furnace. G. A. Rehm. 2,393,707; Jan. 29.
- Wall hook and socket, Combination. C. P. Young. 2,394,832; Feb. 12.
- Wall plug. M. D. Gibson. 2,396,501; Mar. 12.
- Wall structure for buildings and the like. A. L. Jackson. 2,412,404; Dec. 10.
- Wall unit, Concrete piling. A. L. Hood. 2,400,694; May 21.
- Walls and ceilings of buildings. H. N. Cartwright, J. G. Davies, and R. H. Patterson. 2,403,580; July 9.
- Walls, Constructing. P. J. O'Connor. 2,404,896; July 23.
- Walls, Form for the erection of rammed earth. B. C. Stevenson. 2,400,852; May 21.
- Walls, Residing. A. W. Herbes. 2,394,380; Feb. 5.
- Wallet. E. F. Miller. 2,402,764; June 25.
- Wallet. S. Wetterhahn. 2,397,393; Mar. 26.
- Wallet or purse. N. W. Post. 2,407,964; Sept. 17.
- Wand. J. W. Petrie. 2,407,723; Sept. 17.
- Ward fuel vehicle tank. B. Walker. 2,412,019; Dec. 3.
- Wardrobe, Bed. L. T. Jeary. 2,402,286; June 18.
- Warm air furnace. G. E. Mumma. 2,408,991; Oct. 8.
- Warming pad. K. L. Woodman. 2,392,712; Jan. 8.
- Warning device for typewriters. H. S. Slocum. 2,402,936; June 25.
- Warning device, Stall. R. H. Upson. 2,406,719; Aug. 27.
- Warning signal. W. R. Corey. 2,409,018; Oct. 8.
- Warp beam. S. N. McCaslin. 2,394,463; Feb. 5.
- Warp-knitting machine. A. F. Fiorentino. 2,395,807; Mar. 5.
- Warp-knitting machine. C. A. Hepp. 2,397,663; Apr. 2.
- Warping and beaming machine. F. Lambach. 2,398,232; Apr. 9.
- Warps, Method of and apparatus for use in preparing weaving. J. Bolton. 2,406,988; Sept. 3.
- Washbottle, Foot controlled. H. G. Mullett and E. D. Wachter, Jr. 2,398,149; Apr. 9.
- Wash-over, outside cutter. K. E. Waggener. 2,398,981; Apr. 23.
- Washover overshot. C. K. Brown and F. L. Scott, Jr. 2,398,515; Apr. 16.
- Wash pad manufacture. C. E. Zimmerman. 2,394,419; Feb. 5.
- Washer. See—
Sanitary pipe washer. Vegetable washer.
Tumbler washer.
- Washer and the like, Retaining. W. H. J. Brock. 2,401,656; June 11.
- Washer and the like, Retaining. S. A. Stolberg. 2,411,761; Nov. 26.
- Washer, Home spinach. E. A. Hornberger. 2,399,926; May 7.
- Washer, Lock. L. E. Zerbe. 2,392,714; Jan. 8.
- Washer, Pulp. H. M. Barnett and R. C. Mosher. 2,408,191; Sept. 24.
- Washing apparatus. P. Breckenridge and L. R. Boyd. 2,412,078; Dec. 3.
- Washing apparatus. W. A. Johnston. 2,412,270; Dec. 10.
- Washing device. L. B. Buharin. 2,395,094; Feb. 19.
- Washing machine. A. M. Dinetz. 2,403,348; July 2.
- Washing machine. H. Gaudet. 2,392,911; Jan. 15.
- Washing machine. G. C. Graham. 2,407,660; Sept. 17.
- Washing machine. J. P. Jorgenson and A. G. Kling. 2,397,268; Mar. 26.
- Washing machine. A. L. Kimball. 2,406,226; Aug. 20.
- Washing machine. H. C. A. Meyer. 2,404,450; July 23.
- Washing machine. A. J. Patch. 2,403,233; July 2.
- Washing machine, Clothes. L. J. Gottschalk. 2,411,654; Nov. 26.
- Washing machine, Continuous. A. A. Locke and R. F. Ternes. 2,401,947; June 11.
- Washing machine for window blinds. O. F. French. 2,410,934; Nov. 12.
- Watch. L. H. Brown. 2,395,843; Mar. 5.
- Watch box pad. S. Flier. 2,405,880; Aug. 13.
- Watch bracelet link, Adjustable. L. Karasik. 2,412,812; Dec. 17.
- Watchcase. O. Gruber. 2,398,423; Apr. 16.
- Watchcase. W. Schmitz. 2,399,832; May 7.
- Watchcase tool. L. A. Cormier. 2,408,737; Oct. 8.
- Watch crown, Adjustable watertight and dusttight. W. Feurer. 2,405,928; Aug. 13.
- Watchmaker's tool. F. Seder. 2,400,264; May 14.
- Watch setting and starting device. J. C. Burghbacher. 2,394,746; Feb. 12.
- Watch strap, Anchor. S. Mars. 2,411,446; Nov. 19.
- Watch strap with watch retaining loop. M. E. Westerman. 2,395,771; Feb. 26.
- Water and gas proof separable fastener. J. M. Summers. 2,395,993; Feb. 26.
- Water and other liquids from yeast suspension, Extracting or expelling. S. O. Rosengvist. 2,397,436; Mar. 26.
- Water comprising the steps of passing a variable flow of relatively alkaline water upwardly through a bed of organic hydrogen-zeolite and augmenting said flow by hydrogen-zeolite treated water, Method and apparatus for treating. J. J. Felsecker. 2,412,328; Dec. 10.
- Water, Conditioning boiler feed. H. M. Wall. 2,393,079; Jan. 15.
- Water control for toilet tanks. B. Srivsky. 2,412,760; Dec. 17.
- Water-cooled ammunition rack. J. H. Davis, R. W. Matthews, and N. G. McLean. 2,406,809; Sept. 3.
- Water-cooled furnace door. T. J. Peters. 2,395,757; Feb. 26.
- Water correction devices, Making self-energizing electrolytic. E. M. Butler. 2,397,918; Apr. 9.
- Watercraft. W. A. Randall. 2,400,782; May 21.
- Watercraft and the like, Propulsion and stabilization of. H. M. Dobbins. 2,408,412; Oct. 1.
- Water for boiler feed, Treatment of. C. E. Kaufman. 2,395,331; Feb. 19.
- Water from atmospheric air, Extracting. B. Granville. 2,409,624; Oct. 22.
- Water heater. C. Z. Alexander. 2,411,675; Nov. 26.
- Water heater. F. X. Atzberger. 2,396,810; Mar. 19.
- Water heater. H. B. Babson and C. A. Thomas. 2,408,403; Oct. 1.
- Water heater. A. H. Haberstump. 2,401,151; May 28.
- Water heater. H. W. Miller. 2,404,860; July 30.
- Water heater. W. J. O'Brien. 2,410,694; Nov. 12.
- Water heater and boiler. B. I. J. Stamm. 2,408,820; Oct. 8.
- Water heater control system. C. M. Osterheld. 2,392,177; Jan. 1.
- Water heater control system with thermal retarder. C. M. Osterheld. 2,400,596; May 21.
- Water-heating apparatus. H. Knapp. 2,402,899; June 25.
- Water heating installation. J. L. Bieler. 2,396,634; Mar. 19.
- Water heating system. C. M. Osterheld. 2,397,039; Mar. 19.
- Water jackets for engine cylinders, Treating. W. H. Graves. 2,397,481; Apr. 2.
- Waterproof electric switch. J. C. Stearns. 2,400,849; May 21.
- Waterproofing composition. A. B. Quick. 2,396,342; Mar. 12.
- Water purification. W. W. Durant and W. A. Blann. 2,404,367; July 23.
- Water purification and filtration unit, Portable. J. B. Levy. 2,404,967; July 30.
- Water-repellent materials, Production of. F. J. Norton. 2,412,470; Dec. 10.
- Water resistant watchcase. H. E. Vermont. 2,392,787; Jan. 8.
- Water separator. A. J. Granberg. 2,401,067; May 28.
- Water softening material and preparing same. S. Dahl-Rode. 2,391,951; Jan. 1.
- Water-soluble alkyl lactates, Preparing. S. M. Weisberg, E. G. Stimpson, J. Greenspan, and D. F. Othmer. 2,406,648; Aug. 27.
- Water stop device for electrical cables. E. A. Johnson and R. MacHenry. 2,396,702; Mar. 19.
- Waterstop expansion joint. A. C. Fischer. 2,400,493; May 21.
- Water system for paper wrapping machine. F. D. De Traglia. 2,392,583; Jan. 8.
- Water-treating composition. F. E. Hubbard and C. R. McCullough. 2,396,918; Mar. 19.
- Water-treating device, Automatic. L. G. Daniels. 2,407,538; Sept. 10.
- Water treatment and composition. C. S. King. 2,395,126; Feb. 19.
- Water treatment device. F. W. Whitlock. 2,405,479; Aug. 6.
- Water, Treatment of boiler. H. C. Farmer and S. T. Powell. 2,395,260; Feb. 19.
- Watering device. J. C. Oldfield. 2,413,647; Dec. 31.
- Watering device for fowl. A. P. Ball. 2,407,216; Sept. 10.
- Wave conversion. H. Tunick. 2,406,932; Sept. 3.
- Wave directional, prismatic, and focusing system, Compressional. W. P. Mason. 2,406,391; Aug. 27.
- Wave expansion, Oscilloscope. J. L. Theisen. 2,399,955; May 7.
- Wave filter. F. R. Bies. 2,406,796; Sept. 3.
- Wave generator. G. Hecht and A. A. Lundstrom. 2,391,967; Jan. 1.
- Wave guide structure. L. Tonks. 2,409,913; Oct. 22.
- Wave impulse generator. S. Hansen. 2,394,055; Feb. 5.
- Wave impulse generator. C. V. Litton. 2,410,087; Oct. 29.
- Wave indicator for radio frequency transmission lines, Standing. D. W. Peterson. 2,400,597; May 21.
- Wave length modulation. E. W. Clark and P. J. Somers. 2,394,427; Feb. 5.
- Wavelength modulation. G. L. Usselman. 2,409,457; Oct. 15.
- Wave propagation. L. Tonks and Le R. Apker. 2,407,911; Sept. 17.
- Wave reproducing system, Angle modulated. C. M. Sennett. 2,412,015; Dec. 3.
- Wave shaping circuit. R. C. Sanders, Jr. 2,403,616; July 9.
- Wave-signal receiver, Pulse-modulated. D. B. Hoisington. 2,410,736; Nov. 5.
- Wave signal system, Carrier. A. L. Matte. 2,408,794; Oct. 8.
- Wave stabilizer. B. Dysart. 2,391,954; Jan. 1.
- Wave translating system. R. K. Potter. 2,395,758; Feb. 26.
- Wave translation. L. Y. Lacy. 2,403,986; July 16.

- Wave transmitting and receiving apparatus, Compression. L. Batchelder. 2,408,404; Oct. 1.
- Waxes and curls, Producing. L. B. Andrew. 2,397,397; Mar. 26.
- Wax composition. H. H. Young and D. Rubinstein. 2,394,833; Feb. 12.
- Wax composition and preparing the same. M. Berliney, G. A. Bowden, and J. T. Hohnstine. 2,401,217; May 28.
- Wax composition, Synthetic. M. M. Sprung. 2,408,700; Oct. 1.
- Wax composition, Synthetic. A. F. Winslow. 2,399,085; Apr. 23.
- Wax compositions. W. S. Tyler. 2,399,521; Apr. 30.
- Wax compositions, Polishing. D. Aelony. 2,404,896; July 30.
- Wax-free pyrethrin solutions. J. D. Park and W. W. Rhodes. 2,410,101; Oct. 29.
- Waxlike compounds. L. A. Stegemeyer. 2,393,202; Jan. 15.
- Wax modifying agents, Production of. L. A. Mikeska. 2,393,181; Jan. 15.
- Wax-oil mixtures, Treatment of. A. H. Gebauer. 2,408,977; Oct. 8.
- Wax sweating, Controlling. S. W. Ferris. 2,406,210; Aug. 20.
- Waxer and polisher, Manual floor. A. Corrêa. 2,410,634; Nov. 5.
- Waxes. L. Auer. 2,406,336; Aug. 27.
- Waxes and greases, Artificial. S. L. Scott. 2,407,181; Sept. 3.
- Waxes, Refining. R. A. Macke and H. J. Zoeller. 2,397,969; Apr. 9.
- Waxing machine. S. C. Rieke. 2,408,812; Oct. 8.
- Washing machine, Bag. E. P. Anderson. 2,405,391; Aug. 6.
- Waxy stocks, Treating. B. F. Wingrove. 2,411,492; Nov. 19.
- Weapon. H. B. Freeman. 2,397,958; Apr. 9.
- Weaving compensating brake mechanism. C. A. Sawtelle. 2,411,639; Nov. 26.
- Wear test machine. D. H. Kallas, A. W. Cizek, Jr., and H. Nestlen. 2,412,221; Dec. 10.
- Weaving apparatus. J. E. Arena. 2,411,512; Nov. 26.
- Weaving apparatus. A. Martin. 2,392,489; Jan. 8.
- Weaving apparatus. S. P. Parker. 2,412,353; Dec. 10.
- Web-feeding device. C. E. Wyrick. 2,411,075; Nov. 12.
- Web of stretchable material and bag made therefrom. W. W. Rowe. 2,405,521; Aug. 6.
- Web-registering device. W. H. Wells and J. J. Root. 2,400,447; May 14.
- Web splicing apparatus. O. C. Roosen. 2,413,581; Dec. 31.
- Webbing ladder. G. F. French. 2,408,839; Oct. 8.
- Wedge coating. S. Bergstein. 2,405,504; Oct. 1.
- Wedge, Self-locking. P. A. Jones. 2,407,427; Sept. 10.
- Weed burner. W. C. Prewitt. 2,409,792; Oct. 22.
- Weeder. G. C. Stith. 2,398,474; Apr. 16.
- Weeder, Rotary rod. J. F. Mintken. 2,398,385; Apr. 16.
- Weeds, Killing methods and composition for. F. D. Jones. 2,412,510; Dec. 10.
- Weeds, Methods and compositions for killing. F. D. Jones. 2,394,916; Feb. 12.
- Wet replenishing looms, Geared thread holder for. E. A. Santon. 2,401,968; June 11.
- Wheeler Net and gross. E. W. Vredenburg. 2,402,217; June 18.
- Weighing and dispensing apparatus. R. E. Williams and L. J. Nowak, Jr. 2,406,934; Sept. 3.
- Weighing apparatus. W. Honegger. 2,395,784; Feb. 26.
- Weighing apparatus embodying a totalizing mechanism, Automatic. A. E. Pace. 2,406,897; Sept. 3.
- Weighing device. G. L. Guthrie. 2,396,916; Mar. 19.
- Weighing device, Load. W. H. Bruns. 2,411,023; Nov. 12.
- Weighing machine. F. S. Saunders. 2,392,702; Jan. 8.
- Weighing machine control. J. W. Drinnon. 2,398,887; Apr. 23.
- Weighing mechanism, Multisteelyard. R. T. Bell. 2,400,972; May 28.
- Weight adjustment, Bathroom scale. J. C. Sutton. 2,405,619; Aug. 13.
- Weight and balance indicator. P. A. Piper. 2,409,310; Oct. 15.
- Weight compensating apparatus for weighing scales, Tare. R. T. Pounds. 2,407,513; Sept. 10.
- Weight, Horn. F. Romain. 2,408,956; Oct. 8.
- Weight indicator. D. R. Moore. 2,393,053; Jan. 15.
- Weight measuring device, Length in terms of. L. M. Wilkins. 2,399,528; Apr. 30.
- Weight, Terminal. W. M. Poz. 2,407,682; Sept. 17.
- Weighing apparatus for textile drafting mechanisms. L. M. Cotchett. 2,409,255; Oct. 15.
- Weights for centrifugal governors, Making. H. R. Ricardo. 2,392,266; Jan. 1.
- Welded conductor. M. H. Johnson. 2,395,373; Feb. 19.
- Welder. G. J. Frischmann and C. F. Brunner. 2,396,002; Mar. 5.
- Welder handle. W. C. Anthony. 2,397,519; Apr. 2.
- Welder, High-frequency arc. C. P. Nielson. 2,395,062; Feb. 19.
- Welder, Portable spot. R. E. Adams. 2,402,004; June 11.
- Welder's electrode holder. R. H. Buck. 2,400,285; May 14.
- Welding. P. Field. 2,402,031; June 11.
- Welding. W. G. Martin. 2,399,815; May 7.
- Welding. S. M. Norwood. 2,405,666; Aug. 13.
- Welding and apparatus therefor. I. M. Diller. 2,402,381; June 18.
- Welding apparatus. R. C. Cunningham. 2,412,080; Dec. 3.
- Welding apparatus. C. D. Howard. 2,403,221; July 2.
- Welding apparatus. A. C. McCann and T. E. Walsh. 2,394,024; Feb. 12.
- Welding apparatus. H. I. Morris. 2,395,059; Feb. 19.
- Welding apparatus. J. U. Ridder. 2,400,889; May 28.
- Welding apparatus. G. G. Somerville. 2,393,198-9; Jan. 15.
- Welding apparatus, Electric. D. C. Maytag. 2,405,510; Aug. 6.
- Welding apparatus, Electric resistance. H. H. Hansen. 2,404,632; July 23.
- Welding apparatus, Remote control for. E. S. Hebel. 2,400,992; May 28.
- Welding apparatus, Resistance. F. B. Hunter and J. C. Arnold. 2,397,263; Mar. 26.
- Welding, Arc. R. E. Kinhead. 2,402,165; June 18.
- Welding current, Control of. R. L. Ringer, Jr. 2,392,101; Jan. 1.
- Welding device. G. M. Whitmore. 2,412,022; Dec. 3.
- Welding, Electric. W. C. Heath. 2,401,243; May 28.
- Welding, Electric. E. B. Scherl. 2,405,673; Aug. 13.
- Welding, Electric flash. W. C. Heath. 2,403,076; July 2.
- Welding, Electric flash. J. McG. Sinclair. 2,399,453; Apr. 30.
- Welding electric holder. E. Brazitis. 2,412,492; Dec. 10.
- Welding, Electric resistance. T. E. Murray, G. H. Phelps, and G. Frischmann. 2,403,229; July 2.
- Welding, Electric underwater. P. Feillon. 2,408,175; Sept. 24.
- Welding electrode holder. E. Brazitis. 2,393,742; Jan. 29.
- Welding electrode holder. R. L. Townsend. 2,401,523; June 4.
- Welding electrodes and the like, Actuating system for. M. M. Seeloff. 2,392,296; Jan. 1.
- Welding, Fusion. F. A. Wassell. 2,405,542; Aug. 6.
- Welding head, Multielectrode. E. A. Clapp and L. V. Spanberg. 2,401,722; June 11.
- Welding machine. R. J. Kieffer. 2,406,694; Aug. 27.
- Welding machine. J. B. Little. 2,409,636; Oct. 22.
- Welding machine, Butt. O. G. Lilja. 2,401,359; June 4.
- Welding machine, Flash. J. B. Tiedemann. 2,413,663; Dec. 31.
- Welding machine, Stud. T. Nelson. 2,413,189; Dec. 24.
- Welding material and process. C. A. Cadwell. 2,408,291; Sept. 24.
- Welding mechanism. A. L. Munson. 2,407,676; Sept. 17.
- Welding method. W. G. Dow, H. C. Early and H. J. Gomberg. 2,400,921; May 28.
- Welding method. G. A. Hughes. 2,403,438; July 9.
- Welding method and apparatus. E. A. Chmielewski. 2,395,723; Feb. 26.
- Welding pressure controlling apparatus. H. H. Hansen. 2,412,044; Dec. 3.
- Welding process and apparatus, Pressure. A. R. Lytle and W. Morton. 2,392,824; Jan. 15.
- Welding, Resistance. A. Vang. 2,401,528; June 4.
- Welding ring. R. H. von Ahrens. Re. 22,725; Feb. 19.
- Welding rod. R. L. Morrison. 2,400,249; May 14.
- Welding rod holder. G. A. Combridge. 2,403,406; Aug. 6.
- Welding rod holder. R. K. Morse. 2,395,343; Feb. 19.
- Welding rod holder. L. L. Turner. 2,395,358; Feb. 19.
- Welding, Stud. J. C. Beckett. 2,405,177; Aug. 6.
- Welding, Stud. for. T. Nelson. 2,402,659; June 25.
- Welding system. D. Packard and N. E. Porter. 2,412,745; Dec. 31.
- Welding tool. E. J. Allen. 2,400,903; May 28.
- Welding tool. J. U. Garibay. 2,411,652; Nov. 26.
- Welding tube. R. H. Hobrock. 2,398,937; Apr. 23.
- Well casing. E. C. Wright. 2,402,862; June 25.
- Well check, Oil. E. G. Schick. 2,401,665; June 4.
- Well deflecting tool. F. C. Carpenter. 2,402,238; June 18.
- Well drilling machine. T. H. Berry. 2,398,512; Apr. 16.
- Well explosive device. J. L. Foster. 2,408,419; Oct. 1.
- Well logging apparatus. J. O. Lewis. 2,403,937; July 16.
- Well logging. G. S. Bays. 2,392,357; Jan. 8.
- Well logging. A. Froesch. 2,412,575; Dec. 17.
- Well logging. D. Silverman. 2,412,363; Dec. 10.
- Well logging apparatus. R. L. Doan. 2,404,622; July 23.
- Well pipe screwing device. F. S. Crane. 2,412,876; Dec. 17.
- Well pump. W. T. Smith. 2,404,930; July 30.
- Well screen. S. M. Akeyson and W. L. Stockham. 2,401,035; May 28.
- Well screens, Constructing. C. E. Records. 2,392,263; Jan. 1.
- Well sounding apparatus. A. Wolf and L. G. Cowles. 2,411,311; Nov. 19.
- Well survey apparatus. J. T. Hayward and E. H. Cooley. 2,396,420; Mar. 12.
- Well surveying. B. Pontecorvo. 2,398,324; Apr. 9.
- Well surveying instrument. G. A. Smith. 2,413,005; Dec. 24.
- Well tester. L. E. Brown and O. W. Williams. 2,404,825; July 30.
- Well tool. D. H. Hooser. 2,392,244; Jan. 1.

- Well tool. R. G. Taylor, Jr. 2,401,119; May 28.
 Wells, Completion of. O. D. Harper. 2,407,983; Sept. 24.
 Wells, Flowing. O. E. Dempsey. 2,396,162; Mar. 5.
 Wells, Flowing. H. C. Otis. 2,393,404; Jan. 22.
 Wells, Logging. W. E. Winn and P. F. Dougherty. 2,408,964-5; Oct. 8.
 Wells, Means for flowing. W. E. Halbert. 2,398,527; Apr. 16.
 Wells, Method and apparatus for electrically logging. G. E. Archie. 2,400,678; May 21.
 Wells, Method of and apparatus for determining the formation in. G. H. Ennis. 2,397,255; Mar. 26.
 Wells, System and apparatus for flowing. J. D. Nixon. 2,405,323-4; Aug. 6.
 Welt and making the same. E. R. Ouimet. 2,403,750; July 9.
 Welt, cementing and applying machine. J. R. Oliver. 2,392,941; Jan. 15.
 Welt for use in stitchdown shoes. W. C. Wright. 2,399,086; Apr. 23.
 Welt turning attachment. A. Hofmann, D. G. Trutner, and F. M. Wachtler. 2,396,263; Mar. 12.
 Weltling, Laminated. W. C. Vizard. 2,403,694; July 9.
 Weltling, Preformed. W. C. Vizard. 2,403,773; July 9.
 Wheel: See
 Abrading wheel. Resilient vehicle wheel.
 Aircraft landing wheel. Resilient wheel.
 Antifriction drive wheel. Reversible wheel.
 Balance wheel. Roller skate wheel.
 Cultivator wheel. Self-cooling wheel.
 Curtain traverse wheel. Steering wheel.
 Expandable wheel. This abrasive wheel.
 Fan wheel. Traction and load support-
 Ornamental skate wheel. ing wheel.
 Resilient car wheel. Tractor or traction wheel.
 Resilient mechanical Turbine wheel.
 wheel. Vehicle wheel.
 Wheel. C. S. Ash. 2,397,719; Apr. 2.
 Wheel. F. W. Burger. 2,403,634; July 9.
 Wheel. C. Hollerith. 2,405,954; Aug. 20.
 Wheel. J. M. MacLean. 2,409,052; Oct. 8.
 Wheel. D. W. Voorhees. 2,403,146; July 2.
 Wheel alignment gauge. J. L. Creagmile. 2,410,339; Oct. 29.
 Wheel alignment testing apparatus and testing vehicle wheel alignment. Vehicle. E. D. Wilkerson. 2,401,715; June 4.
 Wheel and cement therefor, Polishing. H. R. Nelson. 2,408,946; Oct. 8.
 Wheel and making same, Laminated wood. D. M. Pope and T. F. Speckman. 2,394,177; Feb. 5.
 Wheel and motor suspension, especially for automobiles. T. Ulrich. 2,403,145; July 2.
 Wheel and rim organization. C. L. Eksergian. 2,410,573; Nov. 5.
 Wheel arrangement, Guide. H. Kornblutt. 2,404,383; July 23.
 Wheel assembly, Dual. C. S. Ash. 2,392,627; Jan. 8.
 Wheel assembly for airplanes, Tail. R. D. Ledwin. 2,396,277; Mar. 12.
 Wheel attachment. B. M. Greenleaf and J. L. Hunt. 2,402,041; June 11.
 Wheel attachment, Tractor. C. A. Breeze. 2,409,246; Oct. 15.
 Wheel barrow. T. J. Pinion and E. A. Hardin. 2,393,807; Jan. 29.
 Wheelbarrow, Ski-equipped. J. Hnat. 2,398,142; Apr. 9.
 Wheel brake. E. S. MacPherson. 2,408,938; Oct. 8.
 Wheel brakes, Self-actuating mechanism for hydraulic. A. G. Taylor. 2,404,326; July 16.
 Wheel construction. F. C. Frank. 2,406,068; Aug. 20.
 Wheel construction. G. A. Lyon. 2,406,590; Aug. 27.
 Wheel dressing attachment, Grinder. F. C. Wallace. 2,401,572; June 4.
 Wheel dressing device, Grinding. G. Holding. 2,392,668; Jan. 8.
 Wheel dressing device, Precision grinding. L. Nachemov. 2,411,223; Nov. 19.
 Wheel drive mechanism, Dual. F. M. Lewis. 2,397,073; Apr. 2.
 Wheel equipment. H. J. Butler. 2,394,290; Feb. 5.
 Wheel for vehicle. G. A. Bennett. 2,404,269; July 9.
 Wheel mechanism for tractors, Fifth. C. E. Pollard. 2,407,447; Sept. 10.
 Wheel mechanism, Motor vehicle. F. M. Lewis. 2,401,488; June 4.
 Wheel mount, Detachable. T. S. Scribner. 2,397,296; Mar. 26.
 Wheel rim and pneumatic tire, Combined. H. M. Godsey. 2,410,209; Oct. 29.
 Wheel spindle reciprocating mechanism, Grinding. H. A. Silven. 2,409,450; Oct. 15.
 Wheel steering means for wagons and the like. R. N. Thorn. 2,412,927; Dec. 17.
 Wheel structure. C. Hollerith. 2,407,423; Sept. 10.
 Wheel structure. G. A. Lyon. 2,397,024; Mar. 19.
 Wheel structure. G. A. Lyon. 2,404,388-9; July 23.
 Wheel structure. G. A. Lyon. 2,405,388-90; Aug. 6.
 Wheel structure. G. A. Lyon. 2,405,585-7; Aug. 13.
 Wheel structure. G. A. Lyon. 2,407,669; Sept. 17.
 Wheel structure. G. A. Lyon. 2,410,174; Oct. 29.
 Wheel structure. G. A. Lyon. 2,411,164; Nov. 19.
 Wheel structure. G. A. Lyon. 2,411,928; Dec. 3.
 Wheel structure. G. A. Lyon. 2,413,328; Dec. 31.
 Wheel suspension for vehicles, Multiple. G. V. Pearson. 2,395,640; Feb. 26.
 Wheeled carrier. S. Sochaczewski. 2,412,697; Dec. 17.
 Wheeled toy vehicle. N. Kingson. 2,401,437; June 11.
 Wheel trim, Making. G. A. Lyon. 2,413,329; Dec. 31.
 Wheel truing mechanism, Grinding. L. M. Davis. 2,406,357; Aug. 27.
 Wheel unit, Automatic dirigible tandem. D. Mettetal, Jr. 2,409,507; Oct. 15.
 Wheeled vehicle. W. J. Hale. 2,403,217; July 2.
 Wheeled vehicle. L. B. Neighbour and F. A. Thomann. 2,397,429; Mar. 26.
 Wheels, apparatus for checking gear. G. Freeman. 2,395,139; Apr. 9.
 Wheels, Bushings for polishing. J. J. Manderscheid. 2,403,813; July 9.
 Wheels, Making abrasive. A. J. Bevilard. 2,405,086; Aug. 20.
 Wheels, Making dished disk. D. R. Cornell. 2,406,062; Aug. 20.
 Wheels, Making rubber. J. B. Bennett and J. J. McCarter. 2,400,973; May 28.
 Wheel, Mounting device for dual. H. G. Mosher. 2,404,520; July 23.
 Whip, Producing. A. S. Miner. 2,412,629; Dec. 17.
 Whip, Wire. T. Jensen. 2,397,011; Mar. 19.
 Whistling toy. H. Zimmerman. 2,393,445; Jan. 22.
 Wicket, Conveyor. G. J. Dawn. 2,406,000; Aug. 20.
 Wide range flow meter. S. Elowson. 2,400,108; May 14.
 Wig. J. B. Robinson. 2,393,064; Jan. 15.
 Wig construction. H. J. Lamoureux. 2,405,791; Aug. 13.
 Winch. G. H. Esch. 2,404,368; July 23.
 Winch. A. A. Johnson. 2,412,776; Dec. 17.
 Winch brake. J. E. Lill. 2,397,186; Mar. 26.
 Winch for towing and the like. A. A. Johnson. 2,411,094; Nov. 12.
 Winch unit, Mobile. J. C. Jaques. 2,411,626; Nov. 26.
 Windmill. C. P. Terhune. 2,406,268; Aug. 20.
 Windmill, Folding tail vane. S. F. Czerner. 2,407,816; Sept. 17.
 Windshield cleaner. E. C. Horton. 2,392,670; Jan. 8.
 Windshield cleaner motor. F. G. and W. M. Folberth. 2,397,599; Apr. 2.
 Windshield for motorcycles and the like. B. G. Hanson. 2,411,131; Nov. 12.
 Windshield, Motorcycle. A. T. Comiskey, Sr. 2,396,493; Mar. 12.
 Windshield wiper. D. Collins. 2,392,230; Jan. 1.
 Windshield wiper, Electric. J. B. Whitted. 2,412,850; Dec. 17.
 Windshield wiper, Motor. T. J. Scofield. 2,399,833; May 7.
 Windshield wiper system. J. W. Anderson. 2,407,215; Sept. 10.
 Winder, Cord. A. H. Beede. 2,393,511; Jan. 22.
 Winder, Cord. L. P. Borkoski. 2,393,138; Jan. 15.
 Winder, Drive. R. Tyler. 2,398,265; Apr. 9.
 Winding apparatus. T. E. Carlson. 2,403,908; July 16.
 Winding apparatus, Coil. E. D. Boyce. 2,406,130; Aug. 20.
 Winding device. W. G. Knapp. 2,409,942; Oct. 22.
 Winding, for electric apparatus and making same, Coil. A. T. Sinks. 2,405,457; Aug. 6.
 Winding machine. E. J. Abbott, W. L. Perry, and J. E. Ring. 2,395,028; Feb. 19.
 Winding machine. H. W. Dougherty, Jr. 2,402,739; June 25.
 Winding machine. W. V. Jacobson. 2,405,215; Aug. 6.
 Winding machine. A. Lodge. 2,395,890; Mar. 5.
 Winding machine. R. G. McCoy. 2,393,548; Jan. 22.
 Winding machine. A. H. Muller. 2,406,846; Sept. 3.
 Winding machine. W. Schweiter. 2,401,516; June 4.
 Winding machine, Automatic. C. C. Westergaard. 2,403,147; July 2.
 Winding machine control. J. L. Hall and A. M. Santolla. 2,404,838; July 30.
 Winding machine, Plate. H. W. Seher. 2,406,968; Sept. 3.
 Winding machine, Wire. D. B. Parkinson. 2,406,397; Aug. 27.
 Winding machine, Yarn. L. M. Cotchett. 2,408,135; Sept. 24.
 Winding machine, Yarn. L. M. Cotchett, L. Campbell, and F. F. Stange. 2,407,366; Sept. 10.
 Winding mechanism. R. T. McCarthy. 2,403,538; July 9.
 Winding mechanism for timepieces, Automatic. F. Mather. 2,399,131; Apr. 23.
 Winding mechanism, Roll-film. D. G. Hunter. 2,404,291; July 16.
 Winding reel. W. Schroeder. 2,394,504-5; Feb. 5.
 Winding reel. A. B. Wilson. 2,394,503; Feb. 5.
 Window. G. R. Carl. 2,394,982; Feb. 19.
 Window. R. L. Geer and L. A. Melkus. 2,398,109; Apr. 23.
 Window. M. D. Orlin. 2,394,870; Feb. 12.
 Window arrangement and sash lifting mechanism. E. H. Piron. 2,399,940; May 7.
 Window blind fixture. P. O. Perry. 2,392,337; Jan. 8.
 Window blind. E. B. Bledsoe. 2,397,462; Apr. 2.
 Window channel. R. C. Bascom. 2,412,796; Dec. 17.

- Window, Combination storm. C. Rick. 2,397,807; Apr. 2.
- Window, Combination storm and screen. E. W. Backman. 2,398,511; Apr. 16.
- Window construction. S. E. Blessin. 2,397,721; Apr. 2.
- Window construction. R. Dawes. 2,408,739; Oct. 8.
- Window construction. D. T. Downes. 2,403,061; July 2.
- Window construction. C. N. Homan. 2,411,727; Nov. 26.
- Window construction. J. A. Loetscher. 2,392,678; Jan. 8.
- Window construction. L. Schepmoes. 2,395,073; Feb. 19.
- Window construction. J. Sperling. 2,403,246; July 2.
- Window construction. B. J. Triller. 2,403,565; July 9.
- Window construction. Bus or car. J. Schunk. 2,409,709-10; Oct. 22.
- Window construction, especially for rail cars. J. Ledwinka and G. Trautvetter. 2,407,086; Sept. 3.
- Window construction, Storm. O. L. Dautrick. 2,402,242; June 18.
- Window, Double sash. D. Seltzman. 2,406,513; Aug. 27.
- Window fastener. B. A. Quinn. 2,402,772; June 25.
- Window fixture means, Multiple purpose. A. A. Pinto. 2,412,059; Dec. 3.
- Window frame parting stop. H. G. Womack. 2,412,189-30; Dec. 3.
- Window glass. T. S. Gerspacher. 2,398,371; Apr. 16.
- Window installation, Combined storm and screen. J. V. Gee. 2,402,112; June 11.
- Window jack. F. J. Catrell. 2,405,685; Aug. 13.
- Window lock. T. Hannon. 2,392,475; Jan. 8.
- Window or screen, Sliding. J. I. Zittrn. 2,392,715; Jan. 8.
- Window or the like for canvas coverings. A. H. Benson. 2,391,871; Jan. 1.
- Window pivoted on horizontal pivots, Double. S. E. Lidl. 2,398,017; Apr. 9.
- Window regulator. J. H. Roethel. 2,409,068; Oct. 8.
- Window regulator. J. H. Roethel. 2,410,363; Oct. 29.
- Window run. G. T. Balfe. 2,398,400; Apr. 16.
- Window sash, Combination. H. A. Kammerer. 2,395,742; Feb. 26.
- Window stop. W. H. Kissel. 2,407,837; Sept. 17.
- Window, Storm. A. N. Weller. 2,405,213; Aug. 6.
- Window structure. O. L. and S. J. Dautrick. 2,397,090; Mar. 26.
- Window structure. W. Kummerow. 2,404,075; July 16.
- Window, Ventilated. O. Kubatzky. 2,404,807; July 30.
- Window, V. W. Oehler. 2,398,389; Apr. 16.
- Windower. P. R. Schroeppel. 2,410,904; Nov. 12.
- Winery slops, Treatment of. E. C. Pattee. 2,404,398; July 23.
- Wing. E. A. Stalker. 2,406,917-18; Sept. 3.
- Wing. E. A. Stalker. 2,406,927; Sept. 3.
- Wing. E. A. Stalker. 2,406,922; Sept. 3.
- Wing, Airplane rotary. G. A. Geddes. 2,402,957; July 2.
- Wing construction, Airplane. E. F. Zap. 2,405,726; Aug. 13.
- Wing construction, Variable. E. F. Zap. 2,404,895; July 30.
- Wing, Flow. H. Allen and R. N. Bean. 2,407,050; Sept. 3.
- Wing folding means. P. F. Rossmann. 2,392,506; Jan. 8.
- Wing for garment sleeves, Button. C. Solomon. 2,410,188; Oct. 29.
- Wing lift modification. A. Gouge. 2,404,956; July 30.
- Wing or fin with improved airfoil characteristics, Airplane. V. A. Cosler. 2,400,918; May 28.
- Wing, Slotted airplane. G. P. Rogers. 2,406,475; Aug. 27.
- Wing structure, Aircraft. W. J. Cooley. 2,402,733; June 25.
- Wing structure and making the same, Airplane. A. A. Gassner. 2,394,162; Feb. 5.
- Wing, Variable camber. J. Fresco. 2,410,056; Oct. 29.
- Wing with flap enclosing a blower means. E. A. Stalker. 2,407,185; Sept. 3.
- Wing and other aerodynamic bodies. E. A. Stalker. 2,406,916; Sept. 3.
- Wiper, Automatic window. C. H. Bramhall. 2,393,605; Jan. 29.
- Wiper blade connector. T. J. Smulski. 2,399,399; Apr. 30.
- Wiper, Drill pipe. J. E. Hall. 2,392,146; Jan. 1.
- Wiper, Windshield. M. T. Flaxman. 2,392,982; Jan. 15.
- Wiper, Windshield. T. J. Smulski. 2,405,910; Aug. 13.
- Wire and cable, Insulated. G. W. Brown. 2,409,539; Oct. 15.
- Wire and valve attachment, Accordion finger. E. C. Osenberg. 2,402,912; June 25.
- Wire brush holder. F. Fogliasso. 2,392,909; Jan. 15.
- Wire colling machine. H. Nigro. 2,393,804; Jan. 29.
- Wire colling machine. H. V. Welch. 2,398,900; Apr. 23.
- Wire connector. J. Pavelka. 2,398,504; Apr. 16.
- Wire connector. O. H. Wisegarver. 2,393,083; Jan. 15.
- Wire drawing die. D. H. G. Scrantom. 2,394,720; Feb. 12.
- Wire drawing method. F. C. Elder and A. W. Harris. 2,413,220; Dec. 24.
- Wire enameling die. R. M. Kolter. 2,407,337; Sept. 10.
- Wire fastener, Method and apparatus for manufacturing. C. B. Schwartz. 2,411,813; Nov. 26.
- Wire finishing apparatus. J. H. Hoern. 2,394,381; Feb. 5.
- Wire garment hanger making machine. W. A. Scroggs. 2,413,196; Dec. 24.
- Wire hook. I. Del Bagno. 2,411,318; Nov. 19.
- Wire, Improving the ductility of high-carbon-steel tempered. H. J. Elmendorf. 2,394,484; Feb. 5.
- Wire, Method of and apparatus for tensioning. J. M. Crom. Re. 22,762; June 4.
- Wire, Nondeteriorating rubber insulated. D. J. Miller. 2,411,284; Nov. 19.
- Wire of conduit clip. E. M. Morehouse. 2,408,572; Oct. 1.
- Wire passing device, Sweep. K. H. Wilcoxon. 2,409,233; Oct. 15.
- Wire puller for conduits. K. O. Krummel. 2,394,313; Feb. 5.
- Wire reinforced fabric. A. E. Brickman. 2,408,368; Oct. 1.
- Wire rope twister. A. C. Abrahamsen. 2,412,795; Dec. 17.
- Wire stranding machine. A. E. Winslow. 2,400,323; May 14.
- Wire stripping machine. R. Gordon. 2,401,149; May 28.
- Wire structure, Making barbed. A. E. Brickman. 2,392,223; Jan. 1.
- Wire supporting clip. A. Robertson. 2,397,291; Mar. 26.
- Wire-transposing device. R. Case. 2,406,663; Aug. 27.
- Wire twisting tool. M. A. Palola. 2,399,139; Apr. 23.
- Wiring device. G. B. Benander. 2,411,018; Nov. 12.
- Wood and the like, Machine for working. O. Langfelder. 2,401,002; May 28.
- Wood bending apparatus. O. G. Catron. 2,399,427; Apr. 30.
- Wood bleach and making same. G. H. Miller. 2,397,193; Mar. 26.
- Wood filler, Gasoline-resistant. T. M. Finley. 2,410,645; Nov. 5.
- Wood preservatives. B. O. Häger. 2,408,978; Oct. 8.
- Wood, Treatment of. H. M. Kvalnes. 2,398,649; Apr. 16.
- Wood, Treatment of. H. M. Kvalnes. 2,402,331; June 18.
- Wood, Treatment of. J. C. Woodhouse and C. D. Bell. 2,395,311; Feb. 19.
- Wooden articles of circular cross section and varying diameter and the resulting article. C. B. Lundstrom. 2,412,523; Dec. 10.
- Wooden plug. N. T. MacKenzie. 2,392,751; Jan. 8.
- Wool, Chemically modified. D. M. McQueen. 2,406,958; Sept. 3.
- Wool clip. E. M. Kellas. 2,411,657; Nov. 26.
- Wool fibers, Treatment of. J. B. Speakman and T. Barr. 2,406,412; Aug. 27.
- Wool from mixed wool-cellulose acetate textiles, Recovery of. G. W. Seymour and G. C. Ward. 2,393,712; Jan. 29.
- Wool in pellet form, Producing mineral. E. F. Cusick. 2,394,155; Feb. 5.
- Wool scouring process and compositions. S. T. Woodside. 2,395,085; Feb. 19.
- Wool stabilizing. E. C. Pfeffer, Jr., and W. Kitaj. 2,395,791; Feb. 26.
- Wool, Treatment of. A. J. Hall and F. C. Wood. 2,401,479; June 4.
- Workbox. H. M. Segur. 2,401,667; June 4.
- Work carrier. D. Tilton. 2,397,800; Mar. 26.
- Work clamp. O. W. Anderson. 2,395,242; Feb. 19.
- Work driving dog. E. C. Ventres. 2,407,908; Sept. 17.
- Work feeding device. T. E. Mead. 2,398,659; Apr. 16.
- Work gauge and receiver. J. Catagno. 2,392,363; Jan. 8.
- Work gripping device. F. H. Bogart. 2,399,622; May 7.
- Work-guiding mechanism for sewing machines. W. Myers. 2,406,623; Aug. 27.
- Work handling apparatus. H. E. Somes. 2,396,614; Mar. 12.
- Work handling mechanism. F. Gardner and C. M. Bagshaw. 2,395,112; Feb. 19.
- Work handling mechanism. H. C. Pierle. 2,392,186; Jan. 1.
- Work holder. F. S. Grylewicz, J. C. Hannon, and D. V. Vitsman. 2,394,376; Feb. 5.
- Work holder. J. T. Obecnay. 2,400,314; May 14.
- Work holder. F. E. Pilling. 2,393,808; Jan. 29.
- Work holding device. T. E. Mead. 2,398,658; Apr. 16.
- Work-holding unit, Tilttable rotary power-driven. H. A. Skilton. 2,408,231; Feb. 24.
- Work illuminating tool. B. Blauvelt. 2,408,601; Oct. 1.
- Workpieces holder. F. H. Hadley. 2,411,790; Nov. 26.
- Work stand. W. B. Zern. 2,400,862; May 21.
- Work straightening press. O. L. Dubie. 2,396,496; Mar. 12.
- Work support. D. W. Grazier. 2,402,324; June 18.
- Work support. E. Sirp. 2,409,160; Oct. 8.
- Working and cultivating machine, Earth. H. D. May. 2,405,796; Aug. 13.
- Worm adjusting double warp hose clamp. V. E. Srouse. 2,408,347; Sept. 24.
- Worm drive, Antifriction. H. S. Hoffer. 2,404,378; July 23.
- Worsted roving, Manufacture of. R. J. de Lathauwer. 2,410,020; Oct. 29.
- Woven fabric. W. Williamson. 2,398,484; Apr. 16.
- Woven resistance unit. L. Spraggen. 2,412,843; Dec. 17.
- Wrap mechanism. O. Fregeolle. 2,411,719; Nov. 26.

- Wrapper, etc. Antifungus. G. C. Borden, Jr., and K. R. Carlson. 2,405,990; Sept. 3.
- Wrapper, Infant's M. Asher. 2,399,782; May 7.
- Wrapper, Packing. G. W. Boh. 2,408,159; Sept. 24.
- Wrapper preparing mechanism for cigar machines. H. H. Wheeler. 2,405,867; Aug. 13.
- Wrapping and sealing. K. E. Bemis. 2,395,531; Feb. 26.
- Wrapping articles. Method and apparatus for. W. S. Cloud. 2,403,482; July 9.
- Wrapping machine. C. J. Malhot. 2,397,190; Mar. 26.
- Wrapping machine. C. J. Malhot. 2,407,313; Sept. 10.
- Wrapping wire reinforcing retainer lock. J. R. Connelly and S. W. Fish. 2,406,354; Aug. 27.
- Wrench—See—
- Accessory to turnbuckle wrench. Jeweler's wrench.
 - Bloom wrench. Open end ratchet wrench.
 - Drain cock wrench. Pipe wrench.
 - Hydraulic torque wrench. Plier wrench.
 - Impact wrench. Torque wrench.
 - Irrigating valve wrench. Turnbuckle wrench.
- Wrench. O. H. Adams. 2,397,770; Apr. 2.
- Wrench. W. C. Biles. 2,395,988; Mar. 5.
- Wrench. W. H. Boyles. 2,403,258; July 2.
- Wrench. C. W. Brown. 2,397,239; Mar. 26.
- Wrench. J. R. Donahoe. 2,395,805; Mar. 5.
- Wrench. W. E. Drake. 2,397,729; Apr. 2.
- Wrench. W. C. Fagel. 2,395,541; Feb. 26.
- Wrench. R. E. Gearhart. 2,407,546-7; Sept. 10.
- Wrench. S. Helgeson. 2,406,627; Oct. 22.
- Wrench. C. L. Rich. 2,410,392; Oct. 29.
- Wrench. F. H. Rohr. 2,394,808; Feb. 12.
- Wrench. F. A. Snell. 2,399,454; Apr. 30.
- Wrench. C. B. Stair. 2,405,462; Aug. 6.
- Wrench. W. E. Williams. 2,402,477; June 18.
- Wrench holder. W. C. Brooks. 2,409,613; Oct. 22.
- Wringer. D. K. Ferris. 2,407,922; Sept. 17.
- Wringer. G. H. Jantz. 2,406,951; Sept. 3.
- Wringer. O. E. Johnson. 2,405,832; Aug. 13.
- Wringer. R. W. Shield. 2,409,595; Oct. 15.
- Wringer. Clothes. A. P. Barcus. 2,406,788; Sept. 3.
- Wringer, Pivotal frame. N. L. Etten. 2,406,066; Aug. 20.
- Wringer, Rinse. A. Schellenberg. 2,403,126; July 2.
- Wringer, Rinse. A. Schellenberg. 2,406,108-9; Aug. 20.
- Wrinkle finish. W. A. Waldie. 2,392,340; Jan. 8.
- Wrinkle finish composition. W. A. Waldie. 2,394,498; Feb. 5.
- Wrinkle finish, Modified. W. A. Waldie. 2,394,500; Feb. 5.
- Wrinkle finish, Modified linseed oil. W. A. Waldie. 2,407,623; Sept. 10.
- Wrist band, Step adjustable. A. MacLachlan. 2,412,164; Dec. 3.
- Writing device. M. Berliner. 2,404,563; July 23.
- Writing instrument. L. J. Biro. 2,397,229; Mar. 26.
- Writing instrument. G. H. van Spankeren. 2,405,381; Aug. 6.
- Writing machine. W. E. McFarland. 2,399,369; Apr. 30.
- Writing machine. W. E. McFarland. 2,400,764; May 21.
- Writing machine attachment. J. T. Davidson. 2,392,838; Jan. 15.
- Writing outfit. A. S. Ouan. 2,395,760; Feb. 26.
- Writing pad. E. Schaller. 2,403,197; July 2.
- X-ray apparatus. W. Watson. 2,412,662; Dec. 17.
- X-ray film packet holder and angle indicator. M. Vlock. 2,392,109; Jan. 1.
- X-ray inspection of bodies. F. M. Zapp. 2,396,069; Mar. 5.
- X-ray tube. A. Verboeff. 2,407,857; Sept. 17.
- Xanthates of hydrolyzed interpolymers. W. H. Sharkey. 2,396,210; Mar. 6.
- X-Y-recorder. G. Keinath. 2,400,828; May 21.
- Xylene and toluene and other light coal tar oils, Production of. S. A. Ashmore and E. E. Penny. 2,395,161; Feb. 19.
- Xylenes, Recovery of. R. B. Greenburg. 2,405,300; Aug. 6.
- Xylenes, Separation of. P. J. Cole. 2,393,888; Jan. 29.
- Yard refuse collector. C. L. McCaffrey. 2,409,778; Oct. 22.
- Yarn and producing same, Artificial. B. L. Hathorne and R. W. Seem. 2,411,132; Nov. 12.
- Yarn, Asbestos. J. A. Pruitt. 2,401,389; June 4.
- Yarn carrier with replaceable yarn guide eyelet. H. Staub. 2,403,310; July 2.
- Yarn control. A. N. Cloutier. 2,400,628; May 21.
- Yarn feeding device. E. St. Pierre. 2,399,403; Apr. 30.
- Yarn, Forming fur filled. F. Souin and M. H. Siegel. 2,411,559; Nov. 26.
- Yarn, Manufacture of. M. Hain. 2,398,000; Apr. 9.
- Yarn, Manufacture of synthetic. H. O. Naumann. 2,410,673; Nov. 5.
- Yarn. Paper. K. Hamilton. 2,407,926; Sept. 17.
- Yarn processing, Method and apparatus for. F. R. Millhiser. 2,395,136; Feb. 19.
- Yarn producing apparatus. M. Ottomano. 2,406,626; Aug. 27.
- Yarn production. A. J. Signoret. 2,406,642; Aug. 27.
- Yarn production, High twist artificial. E. A. Robinson and A. De Castro. 2,403,304; July 2.
- Yarns, Production of high twist artificial. L. E. Rossiter and R. M. Beach. 2,403,305; July 2.
- Yarn, Stretching of artificial. T. G. Finzel. 2,394,540; Feb. 12.
- Yarn tension device, Adjustable. H. O. Naumann. 2,397,153; Mar. 26.
- Yarn, Thermal stretching of cellulose derivative. R. F. Conaway. 2,395,396; Feb. 26.
- Yarn winding apparatus. P. J. Thomas. 2,395,521; Feb. 26.
- Yarn winding machine. L. M. Cotchett. 2,395,462-4; Feb. 26.
- Yarn winding machine. L. M. Cotchett, L. Campbell, F. F. Stange, and A. W. Arterton. 2,395,465; Feb. 26.
- Yarns, Process and apparatus for sizing. J. A. Clark. 2,402,653; June 25.
- Yarns, Sizing warp. D. M. Martin. 2,402,652; June 25.
- Yeast, Culture of. E. W. Eweson. 2,401,819; June 11.
- Yeast to enhance vitamin potency thereof, Treatment of. B. Mizel. 2,411,445; Nov. 19.
- Zen products, Modified. C. D. Evans. 2,402,128; June 18.
- Zinc article and making same, Coated. R. R. Tanner. 2,412,543; Dec. 10.
- Zinc base alloy containing copper and beryllium and heat-treating the same. R. H. Harrington. 2,412,045; Dec. 3.
- Zinc borate, Manufacture of. A. J. Myhren and E. W. Nelson. 2,405,366; Aug. 6.
- Zinc, Electrodeposition of. A. G. Gray. 2,407,489; Sept. 10.
- Zinc, Electrodeposition of bright. J. L. Bray and R. E. Howard. 2,393,741; Jan. 29.
- Zinc, Electroplating. R. H. Burns. 2,393,517; Jan. 22.
- Zinc from chloride solutions, Recovering. N. C. Christensen. 2,402,371; June 18.
- Zinc mercaptide-aminothiazoline reaction product. R. A. Mathes. 2,407,563; Sept. 10.
- Zinc mercaptides with alkylene imines, Addition products of heterocyclic. P. C. Jones and R. A. Mathes. 2,409,685; Oct. 22.
- Zinc salts of aryl mercaptans, Preparing. J. J. Verbanc. 2,413,531; Dec. 31.
- Zinc yellow, Producing. E. A. Wilson and W. D. Newman. 2,410,916; Nov. 12.
- Zincated alkalis, Manufacture of. W. F. West, L. R. Bacon, and R. McNabney. 2,403,157; July 2.
- Zinciferous lead, Refining. W. W. Shropshire. 2,411,940; Dec. 3.
- Zirconium hydride, Production of. L. W. Davis. 2,411,524; Nov. 26.
- Zirconium oxide, Preparing. J. B. Miller. 2,392,605; Jan. 8.

LIST OF DESIGN INVENTIONS

- Actuator for movable parts of an airplane or the like, Motor driven. C. F. Hilgeman. 145,522; Sept. 3.
- Advertising device or similar article. E. H. Gallinagh. 143,869; Nov. 5.
- Aircraft, Rotary wing. J. S. Pecker and A. E. Larsen. 143,504; Jan. 8.
- Aircraft, Rotative winged. P. H. Stanley. 144,081; Mar. 5.
- Alplane. P. Altman. 144,018-20; Mar. 5.
- Alplane. D. A. Beck and E. A. Eddy. 144,021; Mar. 5.
- Alplane. T. C. Bennett, M. Morton, and F. M. Gloeckler. 145,417; Aug. 20.
- Alplane. H. L. Bowers. 143,706-7; Feb. 5.
- Alplane. H. L. Bowers. 146,072; Dec. 17.
- Alplane. H. L. Bowers and H. M. Poyer. 144,024; Mar. 5.
- Alplane. H. L. Bowers and R. A. Wolf. 144,023; Mar. 5.
- Alplane. H. L. Bowers and R. A. Wolf. 144,025-8; Mar. 5.
- Alplane. H. L. Bowers and R. A. Wolf. 144,686; May 14.
- Alplane. E. F. Burton. 143,791; Feb. 12.
- Alplane. E. F. Burton. 145,774; Oct. 22.
- Alplane. B. G. Carlson. 145,880; Nov. 12.
- Alplane. J. J. Dickson and R. W. Huzzard. 145,929; Nov. 19.
- Alplane. B. G. Eaton, Jr. 144,107; Mar. 12.
- Alplane. R. E. Gross. 143,969; Feb. 26.
- Alplane. R. F. Hall and E. P. Rhodes. 143,729-32; Feb. 5.
- Alplane. E. H. Heinemann and L. J. Devlin. 144,713-14; May 14.
- Alplane. H. L. Hibbard and C. L. Johnson. 143,820; Feb. 12.
- Alplane. W. A. Hite, R. E. Harvuot, and D. H. Williams. 144,109-13; Mar. 12.
- Alplane. W. C. Jamouneau. 145,446; Aug. 20.
- Alplane. V. S. Jensen. 145,086; June 25.
- Alplane. C. L. Johnson. 143,822; Feb. 12.
- Alplane. A. Kartvelli. 145,853; Nov. 12.
- Alplane. A. Kartvelli and M. Berkow. 144,058; Mar. 5.
- Alplane. J. A. Kerr and J. A. Mattison. 145,449; Aug. 20.
- Alplane. C. A. Neumann and H. H. Baca. 145,904-7; Nov. 12.
- Alplane. J. K. Northrop. 143,847-64; Feb. 12.
- Alplane. J. K. Northrop. 143,866-74; Feb. 12.
- Alplane. J. K. Northrop, W. J. Cerny, F. J. Baum, and A. M. Schwartz. 144,211; Mar. 19.
- Alplane. J. K. Northrop and W. R. Sears. 143,865; Feb. 12.
- Alplane. N. G. Pappas. 145,226; July 16.
- Alplane. K. Perkins. 144,132; Mar. 12.
- Alplane. H. M. Poyer. 143,933; June 4.
- Alplane. E. P. Rhodes. 145,753; Feb. 5.
- Alplane. E. P. Rhodes and R. F. Hall. 143,759; Feb. 5.
- Alplane. K. R. Riegel. 145,145; July 2.
- Alplane. R. J. Sandstrom. 145,909; Nov. 12.
- Alplane. E. Schmed. 144,936-8; June 4.
- Alplane. C. W. Scott. 144,143-4; Mar. 12.
- Alplane. R. C. Sebold. 145,680; Oct. 1.
- Alplane. H. A. Sutton. 143,511; Jan. 8.
- Alplane. E. R. Thompson. 145,545; Sept. 3.
- Alplane. J. W. Thorpe. 144,006; Feb. 26.
- Alplane. W. Tydon and L. E. Parnely. 144,146; Mar. 12.
- Alplane. O. Whitworth. 144,878; May 28.
- Alplane. R. J. Woods. 146,162; Dec. 31.
- Alplane. D. M. Zabiak. 145,916; Nov. 12.
- Alplane. Amphibian. L. P. Beard. 145,775; May 14.
- Alplane hangar. A. E. Bausenbach. 143,639; Jan. 29.
- Alplane or similar article. J. Paglia. 144,067; Mar. 5.
- Alarm box, Fire. E. A. Brass. 145,472; Aug. 27.
- Alarm device or similar article. C. E. Custard. 144,697; May 14.
- Album. G. A. Dohm. 144,843; May 28.
- Altar or similar article. L. D. Cherneff. 145,995; Dec. 3.
- Amusement apparatus. J. H. C. Motley. 145,099; June 25.
- Animal figure. W. W. Rodgers. 145,701; Oct. 8.
- Animal figure, Fluffed yarn. V. J. and J. M. Kritski. 145,634; Sept. 24.
- Antenna. G. H. Brown. 145,116; July 2.
- Applicator and holder. Combined lipstick. I. B. Kaltenbach. 144,506; Apr. 23.
- Applicator or similar article, Medicine. R. S. Anderson. 144,280; Apr. 2.
- Applique or similar article, Embroidered. H. Kaufman. 144,387-9; Apr. 9.
- Apron. H. Pons. 145,327; July 30.
- Arbor and bookend, Combination. R. Randolph. 145,953; Nov. 19.
- Arm attachment for a gauge. P. P. Polloway. 146,120; Dec. 31.
- Armchair. F. T. Paden. 144,065; Mar. 5.
- Arm for phonographs, Tone. W. Miller. 144,726; May 14.
- Ash tray. L. Lomasney. 145,739; Oct. 15.
- Ash tray. M. Millman. 143,746; Feb. 5.
- Ash tray. F. A. Peden. 144,632; May 7.
- Ash tray and humidior, Combined. H. O. Cornwall. 145,007; June 18.
- Ash tray and incense burner, Combined. C. E. Melnecke. 143,927; Feb. 19.
- Ash tray, Illuminated. K. I. Schouten. 143,761; Feb. 5.
- Ash tray, Luminous. J. Ross. 145,876; Nov. 5.
- Ash tray or like article. F. H. Fisher. 144,361; Apr. 9.
- Ash tray or similar article. H. Cailloux. 144,237; Mar. 26.
- Ash tray or similar article. M. M. Newman. 144,410; Apr. 9.
- Ash tray or the like. E. Leeberg. 143,835; Feb. 12.
- Atomizer. F. A. Vuilleminot. 143,566; Jan. 15.
- Attachment for tractors, Power-lift. W. W. Simmonds. 144,738; May 14.
- Automobile. W. Reed. 145,984; Nov. 26.
- Badge or like article. M. G. Garrett and R. B. J. Biggins. 144,501; Apr. 23.
- Badge or similar article. E. N. Lindblad. 143,605; Jan. 22.
- Bag, Herb. J. E. Vivaudou. 143,773; Feb. 5.
- Bag, Lady's. C. S. Menor. 144,510; Apr. 23.
- Bag unit, Herb. J. E. Vivaudou. 144,746; May 14.
- Bag, Vacuum cleaner. S. Gasner. 143,421; Jan. 1.
- Ball, Rolling clown. L. Z. Piebanek. 145,875; Nov. 5.
- Band or similar article, Watch. J. Evans. 144,293; Apr. 2.
- Bandeau. C. Knudsen. 143,493; Jan. 8.
- Bandeau, Hair. D. Baxter. 143,702; Feb. 5.
- Bank, Coin. M. Glassman. 144,617-18; May 7.
- Bank, Coin. R. V. Moran. 145,097-7; June 25.
- Bar, Oil. F. L. Ayres. 144,829; May 28.
- Bar or similar article, Portable. S. N. Erickson. 143,414; Jan. 1.
- Bar or similar article, Portable. C. H. Hasche. 145,521; Sept. 3.
- Bar, Portable. W. P. Hopkins. 143,491; Jan. 8.
- Bar, Portable. E. T. Johnson. 144,568; Apr. 30.
- Bar, Soft drink. A. A. Paley. 144,931; June 4.
- Barbecue. H. M. Talley. 144,431; Apr. 9.
- Barbecue, Portable. J. H. Moore. 144,673; Apr. 30.
- Barrette, Two-piece hair. S. Behr. 144,264; Apr. 2.
- Base and standard or similar article, Combined lamp. J. H. Steinberg. 144,270; Mar. 26.
- Base for band saws. W. Lasar. 144,394; Apr. 9.
- Base or the like, Radio chassis blank. I. Korrol. 144,858; May 28.
- Bath, Baby. P. W. Douglas. 143,715; Feb. 5.
- Bathroom unit. D. T. Houpt. 144,790; May 21.
- Bathstand and utility cabinet, Combined nursery. R. I. Adolf. 144,671; May 14.
- Bathrub. W. B. Green. 145,211; July 16.
- Bathrub. J. Stanitz. 143,766-8; Feb. 5.
- Bathrub. J. Stanitz. 144,428-9; Apr. 9.
- Bib, Baby. E. C. Weideman. 143,888; Feb. 12.
- Bib, Child's. M. M. Cameron. 143,793-4; Feb. 12.
- Bib, Child's. M. M. Cameron. 145,006; June 18.
- Bib, Child's. M. M. Cameron. 145,461; June 25.
- Bib, Infant's. E. Contrisciani. 143,405-6; Jan. 1.
- Billfold or similar article, Back for. M. Marcus. 143,608; Jan. 22.
- Binooculars. M. N. Fairbank and H. A. Marsh. 143,913; Jan. 22.
- Bird house. C. W. Whitney. 143,455; Jan. 1.
- Blank or similar article, Calendar. C. R. Doherty. 144,842; May 28.
- Block, Plastic. J. Goldberg. 145,936; Nov. 19.
- Blouse or similar article. S. Freilich. 145,888; Nov. 12.
- Blouse or the like. R. Lash. 144,262; Mar. 26.
- Blouse, Reversible. V. McKelvey. 143,925-6; Feb. 19.
- Board, Cribbage. R. T. Rycroft. 144,417; Apr. 9.
- Board, Game. E. E. Kloss. 144,571; Apr. 30.
- Board, Game. L. Ornstein. 143,440; Jan. 1.
- Board, Game. W. J. Rogers. 143,443; Jan. 1.
- Board, Game. J. Searne. 144,589; Apr. 30.
- Board, Game. G. O. Zimmerman. 144,602; Apr. 30.
- Board, Surf. L. S. Howland. 145,083; June 25.
- Boat. L. Consello. 145,884; Nov. 12.
- Body, Automobile. H. P. Post and L. C. McMullen. 145,534; Sept. 3.
- Body or the like, Cab. R. L. Allen. 145,414; Aug. 20.
- Body or the like, Cab. R. L. Allen and J. P. Gardner. 144,672; May 14.
- Body, Trailer. H. E. Weissberg. 144,748; May 14.
- Boller. W. B. Green. 145,078; June 25.

- Boller. P. Schladermunt. 145,106; June 25.
 Boiler or furnace, Jacket for. P. Schladermunt. 145,107; June 25.
Bomb sight. R. M. Lynn. 144,508; Apr. 23.
 Bookcase and desk, Combination. W. V. Rogers. 145,104; June 25.
 Bookcase or similar article. M. S. Karp. 143,427; Jan. 1.
 Book end. A. Bach. 144,347; Apr. 9.
 Book end. F. H. Fisher. 144,366-70; Apr. 9.
 Book end. V. F. Le Verne. 145,900; Nov. 12.
 Bookmark. W. W. Heil. 144,564; Apr. 30.
 Bookmark, Clip. E. J. Woodley. 145,705-6; Oct. 8.
 Boot. C. J. Roos. 145,637; Sept. 24.
 Boot or similar article. S. J. Jarrell. 143,425; Jan. 1.
 Booth and photo studio, Combination recording. D. B. Phillips. 144,256; Mar. 26.
 Border or similar article. Wallpaper. A. Westrate. 145,547-54; Sept. 3.
 Bottle. F. E. Ansell. 144,884; June 4.
 Bottle. F. Fredericks. 144,500; Apr. 23.
 Bottle. E. N. Graham. 143,656-7; Jan. 29.
 Bottle. E. N. Graham. 144,247; Mar. 26.
 Bottle. E. N. Graham. 144,619; May 7.
 Bottle. B. Lewis. 143,837; Feb. 12.
 Bottle. G. D. Rannels. 145,644; Sept. 24.
 Bottle. M. E. Scott. 145,275; July 23.
 Bottle. A. Sussman. 144,430; Apr. 9.
 Bottle. A. Sussman. 145,470; Aug. 20.
 Bottle and closure. R. B. Karoff. 144,569; Apr. 30.
 Bottle and container, Combined. C. H. Burger. 144,691; May 14.
 Bottle closure. L. M. Mallick. 145,980; Nov. 26.
 Bottle or similar article. J. O. Billups. 146,127; Dec. 31.
 Bottle or similar article. G. F. Claypool. 143,576-7; Jan. 22.
 Bottle or similar article. E. N. Graham. 144,246; Mar. 26.
 Bottle or similar article. S. Schwartz. 144,810; May 21.
 Bottle or the like, Penumbra. A. Levy. 145,175; July 9.
 Bowl. A. Bach. 144,152; Mar. 19.
 Bowl. F. H. Fisher. 144,775; May 21.
 Bowl, Electric light. A. J. D. Ohm. 144,869; May 28.
 Bowl or article of similar nature, Glass. A. J. Dreitzer. 146,019; Dec. 10.
 Bowl or similar article, Covered. L. M. Smith. 145,911; Nov. 12.
 Bowl or similar article, Tobacco. E. Burtis. 144,757; May 21.
 Bowl, Shaving. J. B. Montenier. 143,437; Jan. 1.
 Box. A. Bach. 144,885; June 4.
 Box. F. H. Fisher. 144,171; Mar. 19.
 Box. K. Quon. 143,505; Jan. 8.
 Box. Richard Sussman. 144,743; May 14.
 Box and ash tray unit, Cigarette. W. C. McCartney. 144,509; Apr. 23.
 Box and magazine and newspaper rack, Combination. C. W. Bierig. 145,002; June 18.
 Box, Dice. M. M. Kastner. 144,115; Mar. 12.
 Box, Gift. W. B. Petzold. 145,698; Oct. 8.
 Box, Jewelry display. H. Ropp. 144,219; Mar. 19.
 Box or similar article, Cigarette. M. J. Lewis. 144,623; May 7.
 Box or similar article, Mail. R. E. Burt. 145,832; Oct. 29.
 Box or similar article, Wind control weatherproof feed. C. Fenton. 145,124; July 2.
 Box or the like. L. E. Elliott. 146,020; Dec. 10.
 Box, Police signal. E. A. Brass. 144,235; Mar. 26.
 Box, Ring. F. H. Lewis. 145,738; Oct. 15.
 Box, Sand. P. A. Cosme. 145,391; Aug. 13.
 Box, Shoe shine. J. T. Pearson, Jr. 145,143; July 2.
 Box, Utility. L. Szakacs. 144,744; May 14.
 Brace for a saxophone, Bell. E. J. Gillespie. 145,890; Nov. 12.
 Bracelet. C. F. Carter. 145,775-6; Oct. 22.
 Bracelet. J. Felski. 143,721; Feb. 5.
 Bracelet. O. Grun. 143,588; Jan. 22.
 Bracelet. A. Katz. 146,043-5; Dec. 10.
 Bracelet. A. Katz. 146,053-4; Dec. 10.
 Bracelet. A. Katz. 146,112; Dec. 24.
 Bracelet. T. Kelliher. 145,356; Aug. 6.
 Bracelet and ring, Combined. T. Lowenstein. 145,318; July 30.
 Bracelet link or similar article. J. Dubinsky and A. Insko. 145,855; Aug. 6.
 Bracelet or similar article. J. Bernas. 145,783; Oct. 22.
 Bracelet or similar article. A. S. Bowen. 143,790; Feb. 12.
 Bracelet or similar article. J. H. Hazard. 144,561-3; Apr. 30.
 Bracelet or similar article. H. A. Malinowski. 144,794; May 21.
 Bracelet or similar article. H. A. Malinowski. 146,115; Dec. 24.
 Bracelet or similar article. C. J. Mann. 144,061-2; Mar. 5.
 Bracelet or similar article. A. Philippe. 143,752; Feb. 5.
 Bracelet or the like. M. Chernow. 144,759; May 21.
 Bracelet or the like. M. Chernow. 145,881; Nov. 12.
 Bracelet, Watch. J. G. Platau. 143,816; Feb. 12.
 Bracelet, Watch. R. Lambert. 145,357; Aug. 6.
 Bracket, Shelf. H. Van Doren. 144,085; Mar. 5.
 Bracket, Towel bar. H. Van Doren. 144,011; Feb. 26.
 Bracket, Wall. A. Bach. 145,194; July 16.
 Bracket, Wall. F. H. Fisher. 144,359-60; Apr. 9.
 Bracket, Wall. F. H. Fisher. 144,362-5; Apr. 9.
 Bracket, Wall. F. H. Fisher. 144,371; Apr. 9.
 Bracket, Wall. F. H. Fisher. 144,915-16; June 4.
 Bracket, Wall. J. Gerity, Jr. 146,078; Dec. 17.
 Braid. L. Beer. 144,349; Apr. 9.
 Braid. L. Beer and H. Stern. 143,523; Jan. 15.
 Broiler or the like. W. R. Hathaway. 145,897; Nov. 12.
 Brooch. M. Andreoli. 144,444; Apr. 16.
 Brooch. A. Aquilino. 145,707-8; Oct. 15.
 Brooch. F. J. Gargano. 145,475-6; Aug. 27.
 Brooch. F. J. Gargano. 145,842; Oct. 29.
 Brooch and compact, Combination. R. L. Fisk and A. Abicht. 143,966-7; Feb. 26.
 Brooch and cosmetic container, Combined. N. Linduska. 145,811; Oct. 22.
 Brooch mounted watchbase or similar article. E. Deutsch. 145,614; Sept. 24.
 Brooch or similar article. R. J. Acosta. 144,883; June 4.
 Brooch or similar article. E. Darvie. 145,511; Sept. 3.
 Brooch or similar article. S. Darvie. 146,013; Dec. 10.
 Brooch or similar article. W. Dreil. 143,803-6; Feb. 12.
 Brooch or similar article. W. Dreil. 143,960-3; Feb. 26.
 Brooch or similar article. W. Dreil. 144,700; Mar. 14.
 Brooch or similar article. S. Finkelstein. 144,773; May 21.
 Brooch or similar article. L. H. Goldstein and H. Lustig. 144,951-5; Mar. 5.
 Brooch or similar article. O. Grun. 143,591; Jan. 22.
 Brooch or similar article. J. H. Hazard. 144,711; May 14.
 Brooch or similar article. A. Katz. 143,974-5; Feb. 26.
 Brooch or similar article. A. Katz. 144,117-18; Mar. 12.
 Brooch or similar article. A. Katz. 144,194; Mar. 19.
 Brooch or similar article. A. Katz. 144,926-7; June 4.
 Brooch or similar article. A. Katz. 144,972; June 11.
 Brooch or similar article. A. Katz. 145,250-3; July 23.
 Brooch or similar article. A. Katz. 145,301-2; July 30.
 Brooch or similar article. A. Katz. 145,525-6; Sept. 3.
 Brooch or similar article. A. Katz. 145,628-33; Sept. 3.
 Brooch or similar article. A. Katz. 145,665-7; Oct. 1.
 Brooch or similar article. A. Katz. 145,733; Oct. 15.
 Brooch or similar article. A. Katz. 145,847; Oct. 29.
 Brooch or similar article. A. Katz. 146,040; Dec. 10.
 Brooch or similar article. A. Katz. 146,046-7; Dec. 10.
 Brooch or similar article. A. Katz. 146,049-50; Dec. 10.
 Brooch or similar article. A. Katz. 146,052; Dec. 10.
 Brooch or similar article. A. Katz. 146,111; Dec. 24.
 Brooch or similar article. F. J. Pearsall. 144,575-9; May 21.
 Brooch or similar article. A. Philippe. 143,751; Feb. 5.
 Brooch or similar article. A. Philippe. 145,258-61; July 23.
 Brooch or similar article. A. Philippe. 145,268-9; July 23.
 Brooch or similar article. A. Philippe. 145,272; July 23.
 Brooch or similar article. A. Philippe. 145,325; July 30.
 Brooch or similar article. A. Philippe. 145,533; Sept. 3.
 Brooch or similar article. A. Philippe. 145,585; Sept. 10.
 Brooch or similar article. A. Philippe. 145,876; Oct. 1.
 Brooch or similar article. A. Verrecchia. 145,189; July 9.
 Brooch or similar article. G. Verrecchia. 144,950; June 4.
 Brooch or similar article. W. B. Weinstock. 144,951-2; June 4.
 Brooch or similar article. W. B. Weinstock. 145,762; Oct. 15.
 Brooch or similar article of jewelry. M. Tanzi. 143,564; Jan. 15.
 Brooch or similar article, Separable. A. Katz. 144,116; Mar. 12.
 Brooch or similar article, Separable. A. Katz. 144,195-7; Mar. 19.
 Brooch or similar article, Separable. A. Katz. 146,141; Dec. 31.
 Brooch pin or similar article. W. W. Hobé. 143,486-90; Jan. 8.
 Brooch, Separable. A. Katz. 146,031-9; Dec. 10.
 Brooch, Separable. A. Katz. 146,048; Dec. 10.
 Brooch, Separable. A. Katz. 146,051; Dec. 10.
 Broom, Doll. D. Ruthenberg. 145,105; June 25.
 Brush and pan assembly or the like. H. V. Fox. 145,887; Nov. 12.
 Brush, Floor. A. L. Le Feuvre. 143,537; Jan. 15.
 Brush, Lip. W. B. Crane. 145,286; July 30.
 Brush or the like, Fountain. W. C. Marsh. 144,203; Mar. 19.
 Brush, H. Pomerantz. 146,153; Dec. 31.
 Building. W. A. Fennell. 145,837; Oct. 15.
 Building. H. P. Hummel. 145,801; Oct. 22.
 Bulb, Electric light. N. Shaeffer. 144,636; May 7.
 Bureau for jewelry, Miniature. N. E. Morton. 146,118; Dec. 31.
 Butler, Silent. W. E. Ballard. 145,987; Nov. 26.
 Button, Conical. C. H. Frank. 144,547; Apr. 30.

- Button, Rim. C. H. Frank. 145,663; Oct. 1.
 Button or similar article. M. Ballot. 145,558; Sept. 10.
 Button or similar article. W. Drell. 144,486-95; Apr. 23.
 Button or similar article. W. Drell. 144,960-6; June 11.
 Button or similar article. W. Drell. 145,012-18; June 18.
 Button or similar article. W. Drell. 145,905-71; Sept. 10.
 Button or similar article. D. Kasen. 145,173; July 9.
 Button or similar article. M. N. Lidz. 145,176; July 9.
 Button, Service insignia label. S. D. Howell. 143,594; July 22.
 Cab Power shovel. H. E. Swanson. 144,083; Mar. 5.
 Cabinet. R. V. Parks. 143,441; Jan. 1.
 Cabinet, Carbonator. P. H. Thompson. 143,887; Feb. 12.
 Cabinet, Combination ash and garbage. J. Detoro. 145,071; June 25.
 Cabinet, Combination radio and phonograph. C. B. Thorne. 145,237; July 16.
 Cabinet, Combined coin storage and display. A. E. Eckert. 145,515; Sept. 3.
 Cabinet, Dispensing and article display. A. E. Aldridge. 144,476; Apr. 23.
 Cabinet, Display. M. M. Drogin. 144,496; Apr. 23.
 Cabinet, Food dispensing. A. Bach. 145,609; Sept. 24.
 Cabinet for a beverage dispenser. R. A. Nicholson. 145,903; Nov. 12.
 Cabinet for a combination stove and refrigerator unit. W. L. Goodman, Jr. 145,939; Dec. 3.
 Cabinet for a combining machine or similar article. M. Garbell. 144,778; May 21.
 Cabinet for a disk dictating machine. R. L. Stone. 144,947; June 4.
 Cabinet for a heater or the like. L. H. Wilson. 143,778-9; Feb. 5.
 Cabinet for a heater or the like. L. H. Wilson. 144,654; May 7.
 Cabinet for a heater or the like. L. H. Wilson. 144,881; May 28.
 Cabinet for a sewing machine. W. A. Davidson. 145,998; Dec. 3.
 Cabinet for high-frequency electrical heating apparatus. V. W. Sherman, L. Knipe, and W. H. Rothaug. 143,629; Jan. 22.
 Cabinet for outdoor use at filling stations and the like. T. J. Tomel. P. C. Peacock and J. B. Engel. 144,729; May 14.
 Cabinet for picture and sound projection machine. E. B. Eckland. 144,702; May 14.
 Cabinet, Kitchen. F. A. Broadbent. 144,029-33; Mar. 5.
 Cabinet, Kitchen. E. J. Spence. 144,989-90; June 11.
 Cabinet, Lectern. J. M. Loge. 144,202; Apr. 19.
 Cabinet, Lubricating equipment. F. L. Ayres. 145,963; Nov. 26.
 Cabinet, Lubricating equipment. A. M. Fitzpatrick, Jr. 145,690-2; Oct. 8.
 Cabinet, Lubricating equipment. J. Tjaarda. 145,990-1; Nov. 26.
 Cabinet, Medicine. P. F. Simpson. 144,594-5; Apr. 30.
 Cabinet, Merchandise display. C. T. Smith. 145,958; Nov. 19.
 Cabinet or similar article. T. M. Dunham. 144,844; May 28.
 Cabinet or similar article, Display. S. Kassovic. 145,027; June 18.
 Cabinet or similar article, Merchandising display. G. A. Petremont, A. K. Benjamin, and E. C. Brown. 145,952; Nov. 19.
 Cabinet or similar article, Radio. R. C. Scull and J. Martial. 144,076; Mar. 5.
 Cabinet or the like, Radio. T. C. Flanagan. 144,545; Apr. 30.
 Cabinet or the like, Radio. R. C. Scull and J. Martial. 144,075; Mar. 5.
 Cabinet or the like, Radio receiver. R. C. Scull and J. Martial. 144,073-4; Mar. 5.
 Cabinet or the like, Toilet. Pietro and Peter Maniscalco. 143,469; Jan. 8.
 Cabinet, Radio. L. B. Blazey. 144,887; June 4.
 Cabinet, Radio. R. D. Budding. 145,507; Sept. 3.
 Cabinet, Radio. R. E. Gordonier. 145,076; June 25.
 Cabinet, Radio. R. Jenkins. 145,977; Nov. 26.
 Cabinet, Radio. J. Kaiser, Jr. 144,717; May 14.
 Cabinet, Radio. L. G. Stone. 144,082; Mar. 5.
 Cabinet, Refrigerator. D. E. Dalley. 143,713; Feb. 5.
 Cabinet, Refrigerator. A. Pinelli. 143,753; Feb. 5.
 Cabinet, Shower. T. F. Anderson. 145,374; Aug. 13.
 Cabinet, Water heater. G. W. Walker. 143,775; Feb. 5.
 Cage, Bird. A. Zaba and J. Monicatti. 144,089; Mar. 5.
 Calculator for radio signaling. W. Carduner and L. LeKashman. 144,355; Apr. 9.
 Calendar. J. D. Maclean. 144,721; Mar. 12.
 Caliper, Balance truing. R. P. White. 143,691; Jan. 29.
 Camera. F. H. Owens. 145,744; Oct. 15.
 Camera. V. E. Pratt and G. F. Gray. 144,136; Mar. 12.
 Camera casing, Medico-surgical. F. K. Storm. 145,412; Aug. 13.
 Can, Milk. L. B. Green. 143,586; Jan. 22.
 Can opener. J. H. Chandler. 143,846-7; Jan. 29.
 Can opener. J. H. Chandler and M. J. Zimmer. 144,099-100; Mar. 12.
 Candlestick. M. R. Bellin. 146,097; Dec. 24.
 Candlestick. F. H. Fisher. 144,244; Mar. 26.
 Candy containing toy cruiser. J. H. Millstein. 143,614; Jan. 22.
 Canister, Food. A. J. Gerber. 145,617; Sept. 24.
 Cap and dispenser for jars and the like, Combined. S. A. de Valtort. 143,581; Jan. 22.
 Cap, Container. P. A. Derham. 144,041; Mar. 5.
 Cap, Container. P. A. Derham. 144,104; Mar. 12.
 Cap, Container. P. A. Derham. 144,483-4; Apr. 23.
 Cap, Container. P. A. Derham. 144,612; May 7.
 Cap, Container. P. A. Derham. 144,912; June 4.
 Cap, Container. P. A. Derham. 145,009-11; June 18.
 Cap, Container. P. A. Derham. 145,158; July 9.
 Cap, Container. P. A. Derham. 145,512; Sept. 3.
 Cap, Container. P. A. Derham. 145,661; Oct. 7.
 Cap, Container. P. A. Derham. 145,928; Nov. 19.
 Cap, Container. P. A. Derham. 145,975; Nov. 19.
 Cap for brooms, Shoulder. J. H. Hofmann. 144,971; June 11.
 Cap, Jet motor. H. W. Morgan. 144,128-9; Mar. 12.
 Cap or similar article, Combined automatic wheel cover and hub. G. A. Lyon. 143,497; Jan. 8.
 Card punching machine. H. E. Hooe. 146,028; Dec. 10.
 Card punching machine and stand, Combined. H. E. Hooe. 146,027; Dec. 10.
 Cards, Deck of playing. B. L. Goldwater. 145,075; June 25.
 Cards, Deck of playing. M. C. Meyer. 143,669; Jan. 29.
 Cards or the like, Deck of playing. A. F. Von Soden. 145,913; Jan. 18.
 Cards, Set of playing. D. Fillson and D. B. Crollard. 145,885; Nov. 12.
 Carpet or the like. E. C. Schmidt. 145,230; July 16.
 Carpet or the like. A. C. C. Wildgust. 145,241-2; July 16.
 Carrier, Bottle. A. H. Edgerton. 143,808; Feb. 12.
 Carrier, Bottle. A. M. Jacobson. 144,382; Apr. 9.
 Carrier, Combination baby and grocery. G. Silveira. 143,510; Jan. 8.
 Carrier or similar article, Baby. C. A. De Piro. 144,040; Mar. 5.
 Carrier, Tool. F. L. Ayres. 145,770; Oct. 22.
 Carousel. L. M. Glasco. 145,518; Sept. 3.
 Cart, Chair. L. P. Brantz. 145,655; Oct. 1.
 Case and cribbage board, Combined. V. D. Canfield. 144,692; May 14.
 Case, Cigarette. G. H. Bugenhagen. 144,479; Apr. 23.
 Case, Cigarette. G. Goldman. 144,855; May 28.
 Case, Clock. W. P. Gallagher. 143,915; Feb. 19.
 Case, Combination cigarette and vanity. E. L. Warner. 145,191; July 9.
 Case, Combined cigarette and match. E. S. Tupper. 144,528; Apr. 23.
 Case, Combined cigarette and vanity. W. T. Korn. 143,663; Jan. 29.
 Case for a camera. B. Mayer. 145,981-2; Nov. 26.
 Case for an ophthalmic mounting. H. F. Huttemeyer. 144,620; May 7.
 Case for cigarette and cigar lighter. G. C. Beckstein. 143,761; Jan. 22.
 Case, Jewelry. J. G. Lippincott. 144,403; Apr. 9.
 Case or similar article, Combination vanity and incidental. S. Katopodis. 144,193; Mar. 19.
 Case or similar article, Lipstick. E. N. Graham. 145,620; Sept. 24.
 Case or similar article, Show. C. J. Christopher. 145,197; July 16.
 Case or the like, Cigarette. D. Wohl. 144,278; Mar. 26.
 Case, or the like, Lipstick. M. de Boteho. 144,101; Mar. 12.
 Case, Pen and pencil. J. A. Commander. 145,778; Oct. 22.
 Case, Piano. J. Dembicki. 144,039; Mar. 5.
 Case, Self-service display. C. F. Hoffman. 144,380; Apr. 9.
 Case, Spectacle. A. and E. Barrett. 144,445; Apr. 16.
 Case, Vanity. W. B. Crane. 145,008; June 18.
 Case, Watch. M. B. Peckin. 144,932; June 18.
 Casing, Carpet sweeper. P. Dale. 145,563; Sept. 10.
 Casing for a piano or similar article. J. Barofsky. 145,416; Aug. 20.
 Casing for a sound head for a motion picture projector. H. H. Leuder. 143,665; Jan. 29.
 Casing for a space heater. A. W. Becker. 143,893-6; Feb. 19.
 Casing for a water heater or the like. L. H. Wilson. 144,277; Mar. 26.
 Casing for an electric heater with fan. W. E. Maxson, Jr. 143,541; Jan. 15.
 Casing for pressing or punching machines or the like. G. O. Conner. 143,712; Feb. 5.
 Casing for wringing machines, drying machines, or the like. C. W. Sundberg. 145,640; Sept. 24.
 Casing or body for lighter or the like. L. Soklaski. 145,590; Sept. 10.
 Casing or similar article, Vacuum cleaner. T. H. Morgan. 144,627-8; May 7.
 Casing, Sandblast. O. Bogert and W. B. Hewitt. 143,704; Feb. 5.
 Casing, Stereoscope. C. S. McClellan. 144,572; Apr. 30.
 Casing, Suction cleaner. G. W. Walker. 144,147; Mar. 12.
 Casing, Suction cleaner. G. W. Walker. 144,529; Apr. 23.

- Casing, Vacuum cleaner. T. A. Grohs. 144,558; Apr. 30.
 Casing, Vacuum cleaner. C. Karstadt. 145,215-16; July 18.
 Casing, Vacuum cleaner. H. J. McAllister. 144,063; Mar. 5.
 Casing, Vacuum cleaner. C. B. Stevens. 145,276; July 23.
 Casing, Vacuum cleaner. G. W. Walker. 144,600; Apr. 30.
 Casing, Vacuum cleaner. G. W. Walker. 145,761; Oct. 15.
 Chain, for a bracket or similar article, Link. J. Braunstein. 144,351-3; Apr. 9.
 Chain for a bracket or similar article, Link. J. Braunstein. 145,418-26; Aug. 20.
 Chain for a bracket or similar article, Link. G. E. Fournier. 145,292; July 30.
 Chain for watch bracelet or the like, Expandable Link. E. F. M. Speidel. 145,467; Aug. 20.
 Chair. T. B. Bond. 143,462; Jan. 8.
 Chair. L. A. Cutrow. 145,927; Nov. 19.
 Chair. W. S. Gass. 145,788; Oct. 22.
 Chair. L. Guild. 146,080; Dec. 17.
 Chair. M. S. Karp. 143,492; Jan. 8.
 Chair. R. P. Halston. 145,535; Sept. 3.
 Chair. A. Roth. 144,678; July 18.
 Chair. C. D. Spangler. 145,959; Nov. 19.
 Chair. E. J. Spence. 144,991-2; June 11.
 Chair, All metal. A. B. King and C. L. Martino. 144,719; May 14.
 Chair and furniture base, Combination. C. V. Cowan. 143,466; Jan. 8.
 Chair and magazine rack, Combined. C. R. Schutes. 144,592; Apr. 30.
 Chair and table, Combination. L. S. Harsany. 145,443; Aug. 20.
 Chair and table or like article, Combination. J. W. Mabry. 144,404; Apr. 9.
 Chair, Barber's. F. J. Piotreschke. 144,068; Mar. 5.
 Chair, Child's. F. L. Duer. 145,781; Oct. 22.
 Chair, Child's. E. N. Perrault. 144,730; May 14.
 Chair or similar article. H. Gleitsman. 144,853; May 28.
 Chair or similar article. H. Gleitsman. 145,074; June 25.
 Chair standard. W. H. Bond, Jr. 145,971-4; Nov. 26.
 Chamber, Child's. M. A. Boyes. 145,003; June 18.
 Charm, Jewelry. D. Gordon. 143,422; Jan. 1.
 Chessmen, Set of. A. R. Scott. 145,335; July 30.
 Chessmen, Set of. M. Fuch. 145,992; Nov. 26.
 Chest. E. L. Bechtold. 145,191; July 18.
 Chest or similar article. S. N. Erickson. 143,413; Jan. 1.
 Chest or similar article. Cedar. E. E. Abbott. 144,017; Mar. 5.
 Chimney-cowl. T. V. Early. 143,965; Feb. 26.
 Chopper and grinder, Combination food. C. P. Hornung. 143,533; Jan. 15.
 Chopper or similar article. Food. J. Teague. 144,225; Mar. 19.
 Chopper, peeler, and slicer, Combined vegetable. M. J. Zimmer. 143,694; Jan. 29.
 Cigarette butt snuffer or similar article. R. C. Kulling. 144,793; May 21.
 Cigarette rest. E. A. Lefebvre. 143,836; Feb. 12.
 Clamp. H. Tomassini. 144,597; Apr. 30.
 Clamp, Clothesline. R. L. Odiorne and J. S. Monroe. 145,256; July 23.
 Clasp, Tie. M. P. Cates. 143,399; Jan. 1.
 Cleaner attachment, Vacuum. C. B. Stevens. 145,681; Oct. 1.
 Cleaner, Vacuum. G. W. Walker. 144,227; Mar. 19.
 Cleaver and meat tenderizer, Combined. H. O. Browne and W. J. Klassen. 145,004; June 18.
 Clip. M. Boucher. 145,151-2; July 9.
 Clip. M. Boucher. 145,501; Sept. 10.
 Clip and bottle cap remover, Combined money. R. Coles. 144,899; May 28.
 Clip for fountain pen or similar article. W. Green and P. Schladermuntz. 145,171; July 9.
 Clip, Hairwave. W. Huppert. 143,734; Feb. 5.
 Clip, Money. W. J. Kent. 146,147; Dec. 31.
 Clip, Money. C. E. Mills. 145,697; Oct. 8.
 Clip or similar article. S. Pinkelstein. 144,772; May 21.
 Clip or similar article. S. Pinkelstein. 144,774; May 21.
 Clip or similar article. A. Katz. 143,976; Feb. 26.
 Clip or similar article. Pin. A. Katz. 146,140; Dec. 31.
 Clock. S. A. Gardner. 146,101-2; Dec. 24.
 Clock. H. Graeter. 143,478; Jan. 8.
 Clock. M. Hallward. 145,578; Sept. 10.
 Clock. D. Klay. 144,720; May 14.
 Clock. A. E. Lamberg. 145,872; Nov. 5.
 Clock. B. Lerman. 143,538; Jan. 15.
 Clock. B. Lerman. 146,083-4; Dec. 17.
 Clock. R. J. Moffatt. 144,867; May 28.
 Clock, Alarm. F. Collura. 145,351-3; Aug. 6.
 Clock, Alarm. J. A. Hill. 145,298; July 30.
 Clock, Alarm. F. Lux. 145,672; Oct. 1.
 Clock and kiddie schedule, Combined. L. Cookston. 145,121; July 2.
 Clock and map, Combined. A. Tellier. 145,961; Nov. 19.
 Clock and radio, Combination. J. F. Barnes. 146,066; Dec. 17.
 Clock, Desk. H. Levitan. 145,316; July 30.
 Clock housing. M. Murray. 144,210; Mar. 19.
 Clock, Mantel. H. Levitan. 145,314-15; July 30.
 Clock, Mantel. H. Levitan. 145,317; July 30.
 Clock, Mantle. H. Levitan. 144,398-9; Apr. 9.
 Clock, money bank and calendar, Combined wall. L. D. Cherneff. 145,350; Aug. 6.
 Clock or similar article. A. K. Simons. 145,757; Oct. 15.
 Clog. Shoe. J. H. Davis and G. McAllister. 144,038; Mar. 5.
 Clothespin. J. E. Cronan. 145,287; July 30.
 Clothespin. A. M. Jacobson. 145,602; Sept. 17.
 Clothespin. L. M. G. Olivier. 145,439; Jan. 1.
 Clothespin. H. E. Rhodes. 143,769; Feb. 5.
 Clothespin. C. E. Seale and L. W. Stinne. 145,679; Oct. 1.
 Clothespin. R. D. Smith. 144,079; Mar. 5.
 Clothespin. A. F. Sulak. 144,269; Mar. 21.
 Clothespin. T. Taylor. 144,820; May 21.
 Clothespin. F. Trogstad and M. O. Berg. 144,226; Mar. 19.
 Clothespin. W. J. Ward. 144,472; Apr. 16.
 Clothespin or the like. H. M. Broadwell. 145,377; Aug. 13.
 Club head, Golf. W. Hardy. 145,080; June 25.
 Coaster and ash tray holder, Combined. L. J. Binder. 145,693; Oct. 1.
 Coast. I. Feingold. G. Wortman. 143,946; Feb. 19.
 Coat. I. Feingold. 143,583; Jan. 22.
 Coat. I. Feingold. 143,650-1; Jan. 29.
 Coat. M. Frascino. 144,455; Apr. 16.
 Coat. M. Frascino. 145,374; Sept. 10.
 Coat. M. Frascino. 145,597; Sept. 17.
 Coat. J. Freedman. 143,472; Jan. 8.
 Coat. J. Freedman. 144,546; Apr. 30.
 Coat. J. Freedman. 144,613-14; May 7.
 Coat. J. Freedman. 145,023; June 18.
 Coat. J. Freedman. 145,438; Aug. 20.
 Coat. J. Freedman. 145,616; Sept. 24.
 Coat. J. Freedman. 145,717; Oct. 15.
 Coat. J. Freedman. 146,021; Dec. 10.
 Coat. Goldberg. 145,598-9; Sept. 17.
 Coat. H. Goldberg. 145,618; Sept. 24.
 Coat. H. Goldberg. 145,719-20; Oct. 15.
 Coat. H. Goldberg. 145,935; Nov. 19.
 Coat. A. Gruber. 143,480-2; Jan. 8.
 Coat. N. A. Rauch. 143,506-7; Jan. 8.
 Coat. H. Redman. 145,537; Sept. 3.
 Coat. S. Zimmerman. 143,519-22; Jan. 8.
 Coat. S. Zimmerman. 143,696; Jan. 29.
 Coat. S. Zimmerman. 144,333-43; Apr. 2.
 Coat. S. Zimmerman. 144,442-3; Apr. 9.
 Coat. S. Zimmerman. 144,657-68; May 7.
 Coat. S. Zimmerman. 144,999-145,001; June 11.
 Coat. S. Zimmerman. 145,112; June 25.
 Coat, Child's. E. Fischer. 145,598; Sept. 17.
 Coat, Fur. G. Kiam. 143,823-4; Feb. 12.
 Coat or similar article, Lady's. J. Miller. 144,466; Apr. 16.
 Coffee maker. J. Parelka. Jr. 144,728; May 14.
 Coffee maker, Electric. G. W. Florian. 145,838-9; Oct. 29.
 Coffee maker or similar article. L. H. Snyder. 144,945; June 4.
 Coffee pot. V. E. Cadie. 144,354; Apr. 9.
 Colorizer. W. H. Harris. 146,137; Dec. 31.
 Comb and comb cleaning brush, Combined. H. M. Pernini. 144,133; Mar. 12.
 Comb, Hair. D. E. Gumb. 145,079; June 25.
 Comb, Hair. G. J. Staab. 144,471; Apr. 16.
 Comb or similar article. J. Brunetti. 143,949; Feb. 26.
 Comb or similar article. L. Kahn. 143,972-3; Feb. 26.
 Comb or similar article. Transparent. J. Brunetti. 143,573; Jan. 22.
 Compact. W. B. Crane. 144,357; Apr. 9.
 Compact. J. S. Dougherty. 144,042; Mar. 5.
 Compact. E. Edson. 145,430; Aug. 20.
 Compact. E. Foret. 145,073; June 25.
 Compact. E. Foret and H. Graeter. 144,372; Apr. 9.
 Compact. E. Foret and H. Graeter. 145,716; Oct. 15.
 Compact. N. K. Morris. 145,255; July 23.
 Compact. K. F. Schick. 143,554; Jan. 15.
 Compact. J. L. Stack, Jr. 145,491; Aug. 27.
 Compact. J. W. Thomsen. 143,682; Jan. 29.
 Compact. J. W. Thomsen. 143,367; Aug. 6.
 Compact, match holder, and lipstick holder, Combined. E. P. Conzilio. P. 145,156; July 9.
 Compact or similar article. P. di Verdura. 145,239; July 16.
 Compact or similar article. D. L. Elliott. 145,198-209; July 16.
 Compact or similar article. E. N. Graham. 145,621; Sept. 24.
 Container and music box, Combined figured cigarette. W. T. Korn. 143,602; Jan. 22.
 Container and support, Combined plant. A. Ames. 145,917; Nov. 19.
 Container, Cigarette. G. L. Kearney. 145,668; Oct. 1.
 Container, Cigarette. R. and C. H. Webber. 144,087-8; Mar. 5.
 Container, Combined lipstick and brush applicator. V. Silson. 144,145; Mar. 12.
 Container, Combined shipping and display. B. V. Dubiner. 143,717; Feb. 5.

- Container, Cosmetic. M. H. Ramsey. 145,819; Oct. 22.
 Container, Flower. R. I. McLellan and W. J. Field. 145,930; Sept. 3.
 Container for candy, perfume, flowers, and the like. K. Harrington. 145,845; Oct. 29.
 Container for cigarettes or similar articles. E. G. Engel, J. F. Scott, and G. V. Korda. 145,815; Feb. 12.
 Container for toys and the like. T. B. Hodge. 145,481; Aug. 27.
 Container, Glass cigarette or like. H. Lowitz. 144,507; Apr. 23.
 Container, Lipstick. J. Zonenstein. 144,603; Apr. 30.
 Container or the like, Lipstick. L. Renaud. 145,048; June 18.
 Container set and holder therefor, Combined condiment. T. J. Conrad. 143,465; Jan. 8.
 Control unit, Flame failure. J. C. Hamilton. 145,442; Aug. 20.
 Controller, Arc welding and heat-treating. C. C. Kenlan. 143,601; Jan. 22.
 Cooker. K. Groetchen. 143,726; Feb. 5.
 Cooker, Pressure. S. W. Farber. 144,498; Apr. 23.
 Cooker, Pressure. R. T. Watis and F. C. Rudolph. 145,546; Sept. 3.
 Cooker, Pressure. M. J. Zimmer. 143,693; Jan. 29.
 Cooking stove or similar article. M. J. Woods. 143,518; Jan. 8.
 Cooky, J. B. Carr. 146,073-5; Dec. 17.
 Cooler and newspaper stand or the like, Combined bottled beverage. A. F. Immoor. 144,924; June 4.
 Cooler of the window type, Room. H. Dreyfuss. 144,452; Apr. 16.
 Costumer. G. H. Amt. 143,698; Feb. 5.
 Costumer. J. P. Culpepper and K. C. May. 143,407; Jan. 1.
 Costumer. A. D. Silverman. 143,630; Jan. 22.
 Costumer. C. E. Stephenson. 144,996; June 11.
 Costumer, Youth's. J. W. Floyd. 145,693; Oct. 8.
 Cotton harvesting machine. W. N. Smith. 145,411; Aug. 13.
 Couch or the like. P. Billet and I. Levy. 144,677; May 14.
 Counter, Display. F. G. Welke. 145,148-9; July 2.
 Cover, Book. C. von Baumann. 143,943; Feb. 19.
 Cover, Cap. F. M. Maxwell, and W. J. Russey. 143,610; Jan. 22.
 Cover for a suture jar. R. L. Eddy. 144,497; Apr. 23.
 Cover for beverage brewer bowl. J. O. Reinecke. 143,757; Feb. 5.
 Cover for food receptacles. D. C. Severance. 145,646; Sept. 24.
 Cover or similar article of manufacture, Table. L. G. Rohner. 144,801-2; May 21.
 Crawler, Child's. E. C. Bauser. 143,461; Jan. 8.
 Cream maker. H. L. Saylor. 144,418; Apr. 9.
 Creche. F. G. Kramer. 143,430; Jan. 1.
 Crib and utility cabinet, Combined. R. L. Adolf. 144,670; May 14.
 Crusher or the like, Ice. J. E. Walsh. 145,240; July 16.
 Cultivator, Garden. M. J. Amendola. 143,787; Feb. 12.
 Cup, Cosmetic. C. Martucci. 145,360; Aug. 6.
 Cup-dispenser and toothbrush holder, Combined. T. F. Saffady. 144,139; Mar. 12.
 Cup, Drinking. E. J. Stumpf. 144,223; Mar. 19.
 Cup, Tea. M. P. Cameron. 144,905; June 4.
 Curler, Eyelash. J. P. Wolf. 143,945; Feb. 19.
 Curler, Hair. H. Bonat. 143,705; Feb. 5.
 Curler, Hair. H. Natkeli. 145,456; Aug. 20.
 Curler, Hair. M. M. Newman. 145,908; Nov. 12.
 Curler, Hair. A. E. Vaughn. 143,772; Feb. 5.
 Cutter, Cookie. M. M. Meyers. 145,812; Oct. 22.
 Cutter, Stalk. A. H. Stockmar. 144,639; May 7.
 Darner. D. V. Ellis. 143,411; Jan. 1.
 Davenport. F. T. Padon. 144,068; Feb. 12.
 Desk. F. P. Fletcher. 144,045; Mar. 5.
 Desk. K. O. Larson. 145,948; Nov. 19.
 Desk. M. Livon. 144,120; Mar. 12.
 Desk and seat, Combination. J. D. Covington. 145,659; Oct. 1.
 Desk or similar article. M. Danziger. 143,469; Jan. 8.
 Desk or similar article. M. S. Karp. 143,426; Jan. 1.
 Desk unit, Combination. L. W. Kendrick. 145,734; Oct. 15.
 Desk unit, Combination. M. J. Lewis. 145,486; Aug. 27.
 Desk unit, Combination. M. J. Lewis. 145,809; Oct. 22.
 Desk unit, Combination. T. Roffey. 145,821; Oct. 22.
 Desk unit or the like. F. S. Ajero. 145,878; Nov. 12.
 Desk writing unit. H. K. Adams. 146,064; Dec. 17.
 Developer, Plate. J. T. Campbell. 144,540; Apr. 30.
 Device for holding fruit, cake, and the like, Display. E. E. Hornung. 145,024; June 18.
 Dial or similar article, Clock. A. E. Freel. 143,419; Jan. 1.
 Diamond or similar article. G. Fine. 143,470-1; Jan. 8.
 Dilator, Electric. W. J. McFadden. 143,924; Feb. 19.
 Dish. S. L. Gerson. 144,781; May 21.
 Dish. L. K. Ling. 144,296; Apr. 2.
 Dish and grab rail, Combined soap. J. Gerity, Jr. 145,934; Nov. 19.
 Dish, Child's. E. C. Weldman. 144,016; Feb. 26.
 Dish or similar article, Candy. A. L. Jack. 144,856; May 28.
 Dish or similar article, Serving. J. Davis. 145,711; Oct. 15.
 Dish, Soap. H. Van Doren. 144,326; Apr. 2.
 Dish, Soap. P. L. Wood. 143,889; Feb. 12.
 Dispenser, Adhesive tape. B. Bronfman. 145,773; Oct. 22.
 Dispenser, Adhesive tape. B. Bronfman. 146,130; Dec. 31.
 Dispenser, Adhesive tape. T. H. Krueger. 144,391-2; Apr. 9.
 Dispenser, Adhesive tape. E. W. Mason. 144,865; May 28.
 Dispenser and match holder, Combined cigarette. W. T. Korn. 144,622; May 7.
 Dispenser, Beverage. L. Gottlieb. 144,555; Apr. 30.
 Dispenser for powdered malted milk. J. O. Reinecke. 143,750; Feb. 5.
 Dispenser, Soap. C. W. Hoppe. 144,567; Apr. 30.
 Dispenser, Soda straw. H. A. Gosling. 144,710; May 14.
 Dispenser, Tape. H. Preble, Jr. 144,213-5; Mar. 19.
 Dispenser, Tape. H. Preble, Jr. 145,699; Oct. 8.
 Dispensing device, Cigarette. M. Schwartz. 146,156; Dec. 31.
 Dispensing unit for filling stations. W. H. Adams. 144,752; May 21.
 Display counter, Sectional. N. S. Irwin. 143,660; Jan. 29.
 Display device. C. T. Andrews. 145,768; Oct. 22.
 Display device for twine and the like, Sample. E. H. Jackson, Jr. 145,802; Oct. 22.
 Display rack, Cloth. E. P. Bixer. 144,755; May 21.
 Display stand, Merchandise. S. Malkin. 145,814; Oct. 22.
 Dolly or similar article. K. C. Hamilton. 146,135; Dec. 31.
 Doll. R. M. Brennan. 144,756; May 21.
 Doll. B. Chalk. 144,693-4; May 14.
 Doll. D. J. Curran. 146,132; Dec. 31.
 Doll. I. A. Edenburn. 144,907; June 11.
 Doll. A. Lorenzen. 144,724; May 14.
 Doll. A. D. Norcross. 145,101-2; June 25.
 Doll. C. E. Stewart. 144,742; May 14.
 Doll. L. Thompson. 143,631; Jan. 22.
 Doll and parachute, Combined. M. Hoyle. 145,732; Oct. 15.
 Doll, Double-headed. F. B. Salter. 146,062; Dec. 10.
 Doll head. E. Aleshin. 145,865-6; Nov. 5.
 Doll head. W. Seidler and O. Feuer. 145,232-3; July 16.
 Doll or similar article. M. Berkowitz. 143,703; Feb. 5.
 Doll's head. R. C. Finkelstein. 145,022; June 18.
 Door or similar article. M. Lettman. 143,429; Jan. 1.
 Drainboard for a sink. G. E. Whitlock. 143,516-17; Jan. 8.
 Drawer pull. L. L. Rosenthal. 143,936-7; Feb. 19.
 Dress. H. Alpern. 143,891; Feb. 19.
 Dress. E. Cutler. 143,468; Jan. 8.
 Dress. C. A. Donahue. 143,801-2; Feb. 12.
 Dress. J. Frazita. 144,968; June 11.
 Dress. Z. Golden. 143,476-7; Jan. 8.
 Dress. Z. Golden. 143,818; Feb. 12.
 Dress. Z. Golden. 144,173-85; Mar. 19.
 Dress. Z. Golden. 144,245; Mar. 26.
 Dress. Z. Golden. 144,294; Apr. 2.
 Dress. Z. Golden. 144,457; Apr. 16.
 Dress. Z. Golden. 144,550; Apr. 30.
 Dress. Z. Golden. 145,160-70; July 9.
 Dress. Z. Golden. 145,789-97; Oct. 22.
 Dress. Z. Golden. 146,079; Dec. 17.
 Dress. D. M. Goodstein. 145,798-9; Oct. 22.
 Dress. D. M. Goodstein. 145,843; Oct. 29.
 Dress. A. S. Gross. 143,587; Jan. 22.
 Dress. L. Hoshafan. 145,623; Sept. 24.
 Dress. B. Hurwitz. 145,247-9; July 23.
 Dress. B. Hurwitz. 146,000-2; Dec. 3.
 Dress. S. Kramer. 143,832; Feb. 12.
 Dress. S. Kramer. 144,461; Apr. 16.
 Dress. H. T. Langbert. 145,807; Oct. 22.
 Dress. W. Minzer. 143,845; Feb. 12.
 Dress. W. Minzer. 144,512; Apr. 23.
 Dress. D. Monica. 145,741; Oct. 15.
 Dress. M. Richter. 143,879; Feb. 12.
 Dress. K. Rost. 143,880-2; Feb. 12.
 Dress. K. Rost. 143,929-34; July 30.
 Dress. K. Rost. 145,750; Oct. 15.
 Dress. K. Rost. 145,879; Oct. 22.
 Dress. M. Schneek. 145,703-4; Oct. 8.
 Dress. N. Shatz. 145,956-7; Nov. 19.
 Dress. N. Shatz. 146,157; Dec. 31.
 Dress. H. H. Stahl. 143,884; Feb. 12.
 Dress. J. Walker. 143,513-14; Jan. 8.
 Dress. J. Walker. 144,530; Apr. 23.
 Dress. J. Walker. 145,190; July 9.
 Dress. J. Walker. 145,827; Oct. 22.
 Dress. E. Wilkens. 144,473; Apr. 16.
 Dress or similar article. J. Frandsen. 145,293; July 30.
 Dress or similar article, Collote. T. Leser. 143,978; Feb. 26.
 Drilling machine, Upright. L. L. Schauer and J. H. McKewen. 144,141; Mar. 12.
 Drying machine, Blueprint. R. G. Beck. 143,892; Feb. 19.
 Duplicating machine. L. R. Randall. 146,121; Dec. 31.
 Duplicator. J. Palma. 143,875; Feb. 12.

- Dynamo-electric machine. G. R. Anderson. 144,231; Mar. 26.
- Earring. M. Boucher. 145,054; June 25.
- Earring. O. Grun. 143,589; Jan. 22.
- Earring. C. W. Hardy. 145,314; July 2.
- Earring. J. J. Marsella. 145,321; July 30.
- Earring. F. Morrow. 144,209; Mar. 19.
- Earring. F. Morrow. 145,140; July 2.
- Earring. F. Morrow. 145,742; Oct. 15.
- Earring. A. Philippe. 143,750; Feb. 5.
- Earring. A. Schein. 144,804; May 21.
- Earring. C. Schrayshuhen. 144,419-21; Apr. 9.
- Earring or similar article. A. Brody. 144,606; May 7.
- Earring or similar article. M. Chermow. 144,763-7; May 21.
- Earring or similar article. J. H. Hazard. 144,712; May 14.
- Earring or similar article. A. Katz. 146,041-2; Dec. 10.
- Earring or similar article. P. Kaufman. 146,142-6; Dec. 31.
- Earring or similar article. A. Philippe. 143,989; Feb. 26.
- Earring or similar article. A. Philippe. 145,262-5; July 23.
- Earring or similar article. A. Philippe. 145,326; July 30.
- Earring or similar article. B. Rest. 145,546; Jan. 15.
- Earring or the like. M. Chermow. 144,660-2; May 21.
- Electric heater. E. C. Mathis and J. L. Dronet. 143,609; Jan. 22.
- Electric heater. M. V. Van Fleet. 143,684; Jan. 29.
- Electric record player or similar article. I. Strauss and M. O. Kaye. 144,948-9; June 4.
- Electron discharge tube. N. E. Krim. 143,603; Jan. 22.
- Emblem or similar article, Applique. W. A. Giraldi. 143,530; Jan. 15.
- Engine power unit and housing assembly, Portable. P. Altman. 143,754; Feb. 12.
- Engine power unit housing, Portable. P. Altman. 143,785; Feb. 12.
- Engine power unit housing, Portable. W. S. Tandler and P. A. de Weils. 143,453; Jan. 1.
- Engine unit, internal-combustion. H. Forster. 144,047; Mar. 5.
- Enlarger, Photographic. K. Racine and V. P. Shelton. 145,855; Oct. 29.
- Enlarger, Antistated eve. A. R. Leech. 143,433; Jan. 1.
- Exhibitor, Insignia. R. E. Tilford. 145,825; Oct. 22.
- Extraction machine, Rug and upholstery. T. W. Doyle. 145,564; Sept. 10.
- Extractor, Juice. R. C. Cassano. 144,481; Apr. 23.
- Extractor, Juice. H. C. Johnson. 145,978; Nov. 26.
- Extractor, Juice. J. M. Majewski and H. J. Talge. 143,666; Jan. 29.
- Extractor, Juice. B. Roseman. 144,586; Apr. 30.
- Eyeshield or similar article. C. A. Barattelli. 144,604; May 7.
- Eyeshield or similar article. C. P. Fuller. 144,615; May 7.
- Eyeshield or similar article. C. W. Williams. 144,652-3; May 7.
- Fabric. R. S. Caplin. 145,119; July 2.
- Fabric. M. R. Hamre. 144,921; June 4.
- Fabric. L. Langer. 145,671; Oct. 1.
- Fabric. A. Y. Park. 143,503; Jan. 8.
- Fabric. A. Y. Park. 143,617-22; Jan. 22.
- Fabric. A. Y. Park. 145,032-44; June 18.
- Fabric. A. Y. Park. 145,745-9; Oct. 15.
- Fabric. M. Sebald. 143,674; Jan. 29.
- Fabric, Embroidered. L. H. Hollander. 146,107; Dec. 24.
- Fabric, Embroidered. A. Walter. 144,014-15; Feb. 26.
- Fabric, Embroidered. A. Walter. 144,330; Apr. 2.
- Fabric, Embroidered. A. Walter. 145,682; Oct. 1.
- Fabric, Embroidered. A. Walter. 146,090; Dec. 17.
- Fabric, Narrow woven. A. Gelb. 145,246; July 23.
- Fabric or similar article. F. G. Ullmann. 145,826; Oct. 22.
- Fabric or similar article, Liturgical. A. Baumgartner. 145,347; Aug. 6.
- Fabric or similar article, Liturgical. A. Baumgartner. 146,067-71; Dec. 17.
- Fabric or similar article, Textile. V. Hamill. 144,559; Apr. 30.
- Fabric or similar article, Textile. S. Meyer. 144,465; Apr. 16.
- Fabric or similar article, Textile. A. Samstag. 143,673; Jan. 29.
- Fabric, Printed. E. S. Kales. 145,300; July 30.
- Fabric, Printed. E. S. Kales. 145,846; Oct. 29.
- Fabric, Textile. C. J. Busch. 155,448; Apr. 16.
- Fabric, Textile. G. J. Feinberg. 143,582; Jan. 22.
- Fabric, Textile. S. Salsky. 143,627; Jan. 22.
- Fabric, Textile. S. Salsky. 144,220; Mar. 19.
- Fabric, Textile. F. J. Smith. 143,675; Jan. 29.
- Fabric, Textile. M. White. 146,091-4; Dec. 17.
- Facepiece for breathing apparatus. W. F. Yant. 143,781-2; Feb. 5.
- Fan, Blow. R. Pryne. 145,227; July 16.
- Fan, Electric. R. D. Budlong. 144,034; Mar. 5.
- Fastener, Baby blanket. H. Siegel. 144,470; Apr. 16.
- Fastener, Clothesline. A. W. Gross. 143,727; Feb. 5.
- Feeder, Bird. F. J. Stollsteimer. 144,271; Mar. 26.
- Feeder for grain or the like, Box. W. E. Foster. 145,159; July 9.
- Field glass, Collapsible, folding. R. Morbee. 146,008; Dec. 3.
- Figure, Articulated. K. R. Eames. 143,964; Feb. 26.
- Figure, Bird. L. Garcia. 145,474; Aug. 27.
- Figure or the like, Advertising display. C. D. Holmes. 144,381; Apr. 9.
- Figure, Article holding. V. I. Mora and E. Heinecke. 145,458; Jan. 1.
- Figurine or similar article. F. Keeney. 144,570; Apr. 30.
- File and polish receptacle, Combination nail. H. Troya. 144,907; Feb. 26.
- File, Desk. J. Burger. 143,643; Jan. 29.
- File, Side viewer. W. A. Lieberman and J. W. Thomsen. 146,057; Dec. 10.
- Filter and pumping apparatus. J. V. Davis and J. S. Hoffman. 144,482; Apr. 23.
- Filter unit or similar article. W. B. Pond. 143,545; Jan. 15.
- Fish lure. F. V. Camp. 145,879; Nov. 12.
- Fish lure body. K. D. Richards. 144,071; Mar. 5.
- Fishing lure. J. M. Supulver. 145,109; June 25.
- Fishing reel. H. I. Mandolf. 145,529; Sept. 3.
- Fixture and brush container, Combined display. C. S. Plasket. 145,045; June 15.
- Fixture, Bar rail. G. Bassett. 145,771; Oct. 22.
- Fixture, Fluorescent lighting. N. M. Robboy. 145,700; Oct. 8.
- Fixture, Light. C. D. McCann. 145,696; Oct. 8.
- Fixture, Self-service frosted food. C. F. Hoffman. 145,136; July 2.
- Flask. C. R. Perry. 144,412; Apr. 9.
- Flashlight. E. L. Schofield. 144,522; Apr. 23.
- Flashlight. L. E. Stegman. 144,946; June 4.
- Flashlight. L. E. Stegman. 145,469; Aug. 20.
- Flashlight or like article, Pocket. P. Copeland. 145,427; Aug. 20.
- Flask. A. d'Anselme. 146,098; Dec. 24.
- Flatiron, Electric. T. W. Kennedy. 143,736; Feb. 5.
- Flatiron, Electric. T. W. Kennedy. 144,857; May 28.
- Floor covering, Hard surfaced. R. V. Garner and A. P. Macchi. 144,375; Apr. 9.
- Flooding or similar article, Liturgical. O. Frei. 145,528-9; Jan. 15.
- Fob and telescopic picture wallet, Combination. G. A. Frank. 143,968; Feb. 26.
- Folder, Discharge. M. Schwartz. 144,142; Mar. 12.
- Font of numerals. L. Bernhard. 144,536; Apr. 30.
- Font of sign panel letters. H. R. Owen. 144,978-9; June 11.
- Font of type. O. Gerstl. 144,548; Apr. 30.
- Font of type. M. B. Rapp. 144,580-1; Apr. 30.
- Font of type. C. E. Riddiford. 143,994-6; Feb. 26.
- Footstool or similar article. E. Katzman. 144,386; Apr. 9.
- Footstool. M. M. Armstrong. 145,415; Aug. 20.
- Fork or analogous article. H. E. Nock. 144,868; May 28.
- Fork or other article of flatware. J. R. Price. 143,624; Jan. 22.
- Fork or other article of flatware. J. R. Price. 145,144; July 2.
- Fork or other article of flatware. F. R. Woodward. 143,890; Feb. 12.
- Fork or similar article. J. Brunetti. 145,349; Aug. 6.
- Fork or similar article. H. E. Nock. 144,630; May 7.
- Fork or the like. E. S. Tupper. 144,598; Apr. 30.
- Fountain, Portable soda. J. R. Lewis. 145,452; Aug. 20.
- Fountain, Poultry. C. L. Kubista. 143,604; Jan. 22.
- Fountain unit, Drinking. S. A. Whitf. 145,499; Aug. 27.
- Frame and illuminable mirror, Combination picture. V. H. T. McFarland. 145,487; Aug. 27.
- Frame, Chair. L. M. Nicholson. 143,982; Feb. 26.
- Frame for bicycles. C. E. Bruce. 143,572; Jan. 22.
- Frame for eyeglasses. M. Schwartz. 146,155; Dec. 31.
- Frame for mirrors, pictures, and the like. L. M. Tolpo. 145,593; Sept. 10.
- Frame for portable conveyer. E. H. Ensinger. 143,718; Feb. 5.
- Frame, Hand mirror. J. Casolino. 145,709; Oct. 15.
- Frame, Handbag. C. W. Hardy. 145,664; Oct. 1.
- Frame, Handbag. P. W. Leifer and P. A. Katz. 144,060; Mar. 5.
- Frame, Handbag. H. Morris. 144,798; May 21.
- Frame, Hand mirror. J. Casolino. 144,287; Apr. 2.
- Frame, Lapel watch. D. Taylor. 145,185-7; July 9.
- Frame, Lapel watch. D. Taylor. 145,492-5; Aug. 27.
- Frame, Lapel watch. D. Taylor. 146,013; Dec. 3.
- Frame or similar article, Folding picture. R. Kraus. 145,669; Oct. 1.
- Frame or similar article, Picture. A. Caramadre. 144,957; June 11.
- Frame or similar article, Picture. R. W. Mandl. 143,558; Aug. 6.
- Frame or similar article, Spectacle. A. Blum. 144,678; May 14.
- Frame or the like, Mirror. A. Bach. 144,282-3; Apr. 2.
- Frame or the like, Mirror. F. Diamond. 144,291-2; Apr. 2.
- Frame or the like, Mirror. F. Diamond. 145,429; Aug. 20.
- Frame or the like, Mirror. F. Diamond. 145,662; Oct. 1.
- Frame or the like, Mirror. F. H. Fisher. 144,302-4; Apr. 2.

- Frame or the like, Mirror. F. H. Fisher. 144,544; Apr. 30.
- Frame or the like, Picture. F. H. Fisher. 144,305; Apr. 2.
- Frame, Picture. N. Barbieri. 143,388-90; Jan. 1.
- Frame, Picture. N. Barbieri. 143,699; Feb. 5.
- Frame, Picture. E. H. Goff. 143,918; Feb. 19.
- Frame, Picture. H. Hellbroner and G. R. Arons. 144,922; June 4.
- Frame, Picture. D. S. Miller. 143,745; Feb. 5.
- Frame, Picture. E. E. Moore. 145,902; Nov. 12.
- Frame, Picture. E. Olsewski. 145,257; July 23.
- Frame, Picture. H. G. Romberg. 143,672; Jan. 29.
- Frame, Picture. U. A. Ylitalo. 144,436-7; Apr. 9.
- Frame, Spectacle. W. Bassler. 143,700; Feb. 5.
- Frame, Spectacle. L. Jacobson. 146,008-4; Dec. 3.
- Frame, Vulcanizer machine. L. Steiner. 144,003; Feb. 26.
- Front piece for eyeglasses. L. L. Adolf. 145,282; July 30.
- Funnel. W. C. P. Zabel and R. C. Helfenbein. 143,458; Jan. 1.
- Fuselage for grounded aviation trainers. K. A. Kail. 144,508; Apr. 2.
- Game apparatus. B. W. Kleinberg. 144,201; Mar. 19.
- Game board. I. Altman. 145,501; Sept. 3.
- Game board. C. G. Anderson and L. G. Livesay. 144,149; Mar. 19.
- Game board. E. J. Anselman. 144,281; Apr. 2.
- Game board. A. W. Bedwin. 143,393; Jan. 1.
- Game board. J. U. Bihl. 145,559; Sept. 10.
- Game board. W. J. Burnett. 144,285; Apr. 2.
- Game board. R. W. Burt. 145,304; Aug. 6.
- Game board. L. E. Christie. 145,067; June 25.
- Game board. W. M. Enfield. 143,412; Jan. 1.
- Game board. D. Fillson and D. B. Crollard. 145,840; Oct. 29.
- Game board. C. A. Fuschino. 144,374; Apr. 9.
- Game board. R. R. Hart. 146,105; Dec. 24.
- Game board. B. F. Hirsch. 144,307; Apr. 2.
- Game board. J. Magro. 146,114; Dec. 24.
- Game board. J. F. Martin and A. B. Van Hee. 143,668; Jan. 29.
- Game board. H. M. Muncheryan. 146,060; Dec. 10.
- Game board. A. C. Spatz. 144,526; Apr. 23.
- Game board. E. J. Reiff. 143,625; Jan. 22.
- Game board. M. R. Rice. 145,362; Aug. 6.
- Game board. R. F. Shepherd. 143,556; Jan. 15.
- Game board. C. M. Swarr. 143,681; Jan. 29.
- Game board. D. Vincelle. 145,914; Nov. 12.
- Game board. T. J. Willett. 143,456; Jan. 1.
- Game board. W. C. Wyner. 145,044; Sept. 24.
- Game board. S. D. Yohanan. 144,656; May 7.
- Game board, Educational. J. J. Faberman. 143,527; Jan. 15.
- Game board, Educational. J. J. Faberman. 143,649; Jan. 29.
- Game, Casing for coin operated. E. B. Eckland. 144,701; May 14.
- Game device. L. D. Davidson. 143,526; Jan. 15.
- Game device, Educational. V. H. Rhines. 143,935; Feb. 19.
- Game device, Golf putting. R. A. Marr. 143,838; Feb. 12.
- Game device or other similar article, Bowling. L. Sharps. 143,555; Jan. 15.
- Game enclosure, Marble. F. H. King. 146,005; Dec. 3.
- Game pieces, Set of picture. G. Mysels. 145,408; Aug. 13.
- Garment for outer wear, Slipover. G. Waugh. 143,776; Feb. 5.
- Garment hanger. J. Bolten. 145,053; June 25.
- Gate. P. L. Rafe. 145,059; June 25.
- Gauge, Height. P. Alken. 144,475; Apr. 23.
- Generator, Bicycle. M. Katcher. 143,919; Feb. 19.
- Generator, Optical curve. J. Desenberg. 144,103; Mar. 12.
- Glasses, Jewel studded sun. L. Colwell. 144,289; Apr. 2.
- Glider. P. V. Armstrong. 145,719; Oct. 22.
- Globe, Lighting fixture. J. J. Kredler. 144,251; Mar. 26.
- Goblet. C. H. Burger. 144,447; Apr. 16.
- Goblet. C. H. Burger. 144,478; Apr. 23.
- Goggles. O. W. Hein. 144,782; May 21.
- Golf bag cart. W. Quiring. 144,069; Mar. 5.
- Grill. M. J. Lewis. 145,810; Oct. 22.
- Grille or similar article, Radio speaker. L. G. Stone. 145,912; Nov. 12.
- Grinding fixture, Spiral. A. A. Tobias. 143,683; Jan. 29.
- Grip for sanitary belts. I. S. De Woeikin. 144,290; Apr. 2.
- Guard and license plate holder, Combination bumper. W. P. Wagner and E. T. Gregorie. 145,915; Nov. 12.
- Guns and wing attachment for bicycles, Mock machine. W. J. Ward. 144,013; Feb. 26.
- Hair waving device. V. S. Graham. 145,893; Nov. 12.
- Hairpin or similar article. L. T. Sawyer. 143,997; Feb. 26.
- Hammer head. J. E. Lytle. 143,979; Feb. 26.
- Hammer head. B. L. McClure. 145,815; Oct. 22.
- Hammer head, Chipping. B. L. McClure. 145,636; Sept. 24.
- Hammer, Staple. R. E. Barclay. 144,673; May 14.
- Hammock body or the like. A. J. Kolonics. 145,303-6; July 30.
- Hamper, Clothes. J. J. Kohen. 144,791-2; May 21.
- Hand. B. Calen. 145,905; Jan. 15.
- Handbag. B. Calen. 145,473; Aug. 27.
- Handbag. M. C. Demerer. 145,070; June 25.
- Handbag. M. M. Deutz. 144,451; Apr. 16.
- Handbag. M. M. Deutz. 144,813-14; June 4.
- Handbag. E. A. Farley. 146,077; Dec. 17.
- Handbag. E. N. Graham. 144,557; Apr. 30.
- Handbag. F. X. Hiltbrand. 144,458; Apr. 16.
- Handbag. F. X. Hiltbrand. 146,081; Dec. 17.
- Handbag. B. Kalisher. 145,088; June 25.
- Handbag. L. Kaplan. 144,114; Mar. 12.
- Handbag. L. Kaufman. 143,600; Jan. 22.
- Handbag. L. Kaufman. 145,254; July 23.
- Handbag. B. Kellsher. 144,925; June 4.
- Handbag. M. J. Kruger. 143,920; Feb. 19.
- Handbag. L. C. Levine. 143,539; Jan. 15.
- Handbag. I. Pichel. 144,731; May 14.
- Handbag. F. H. Rath. 143,932-4; Feb. 19.
- Handbag. F. H. Rath. 144,137; Mar. 12.
- Handbag. F. H. Rath. 144,514; Apr. 23.
- Handbag. F. H. Rath. 144,733; May 13.
- Handbag and belt, Combined. A. B. Deutsch. 143,900; Feb. 19.
- Handbag or similar article. C. A. Furst. 144,456; Apr. 20.
- Handbag or similar article. J. W. Meadow. 143,611; Jan. 22.
- Handbag or similar article. F. G. Unger. 144,008; Feb. 26.
- Handbag or the like. M. J. Cohen. 143,578-80; Jan. 22.
- Handbag or the like. M. J. Cohen. 143,950; Feb. 26.
- Handle. F. C. Wallace. 145,343; July 30.
- Handle for cooking utensils. R. B. Wemyss. 143,568-70; Jan. 15.
- Handle for cooking utensils. R. B. Wemyss. 145,643; Sept. 24.
- Handle for cooking utensils, Rigid side. R. B. Wemyss. 143,567; Jan. 15.
- Handle for kitchen utensils or similar article. J. H. Chandler. 145,687; Oct. 8.
- Handle for tray or the like. F. Abelson. 145,280-1; July 30.
- Handle for valves or the like. M. J. Rausch. 145,604; Sept. 17.
- Handle. Gauge. R. E. Snyder. 144,423; Apr. 9.
- Handle grip, Cyclist. D. R. Black. 144,446; Apr. 16.
- Handle, Kitchen utensil. F. K. Storm. 143,563; Jan. 15.
- Handle or similar article, Drawer. C. E. Lindberg. 145,177; July 9.
- Handle or similar article, Drawer. J. White. 145,606; Sept. 17.
- Handle or the like, Faucet. R. H. Zinkil. 145,607; Sept. 17.
- Handle, Stove. D. E. Stewart. 144,698; May 7.
- Handle, Tool. W. H. Odium. 143,931; Feb. 19.
- Hand-piece or the like, Dental apparatus. A. Hunan. 146,082; Dec. 17.
- Hand-truck or similar article, Industrial. F. E. Gaines. 143,420; Jan. 1.
- Hand tool unit, Portable power-driven. F. E. Anderson. 145,848; Aug. 6.
- Hanger, Automobile hat and coat. O. W. Kinsey. 143,825; Feb. 12.
- Hanger, Clothes. L. Kirsch. 143,826-31; Feb. 12.
- Hanger, Cup. W. Katz. 143,977; Feb. 26.
- Hanger for ladders, Bucket. K. S. Ewer. 143,720; Feb. 5.
- Hanger, Garment. J. Bolten. 144,679-80; May 14.
- Hanger, Garment. J. Bolten and H. Spitz. 144,681; May 14.
- Hanger, Garment. L. Levin. 146,056; Dec. 10.
- Hanger, Garment. L. Levin. 146,085; Dec. 17.
- Hanger, Garment. H. C. Riemann. 143,626; Jan. 22.
- Hanger or similar article. J. Read. 144,871; May 28.
- Hanger or similar article. J. Read. 145,856-7; Oct. 29.
- Hanger, Suit. F. P. Crowder. 144,696; May 14.
- Hat. F. Le Bouedec. 143,395; Apr. 9.
- Hat. F. Le Bouedec. 143,739; Feb. 5.
- Hat. F. Le Bouedec. 143,833-4; Feb. 12.
- Hat. A. L. McCann. 144,405; Apr. 9.
- Hat or similar article. H. C. Arple. 144,151; Mar. 19.
- Hat or similar article. H. Bonn. 145,560; Sept. 10.
- Hat or similar article. H. Lazarus. 144,119; Mar. 12.
- Head for a hobby horse or similar article. D. C. Stanley. 144,427; Apr. 9.
- Head, Tripod. B. R. Sparks. 145,466; Aug. 20.
- Heat circulating unit. P. N. Hobbs and C. C. Merchant. 144,502; Apr. 23.
- Heater. K. H. Brown and L. L. Harle. 144,097; Mar. 12.
- Heater, Electric. H. G. Landia. 144,722; May 14.
- Heater, Electric. H. C. Robinette. 144,583-4; Apr. 30.
- Heater, Electric. J. P. Smith. 144,637; May 7.
- Heater, Electric. J. B. Swartzbaugh. 145,544; Sept. 3.
- Heater, Electric. J. B. Swartzbaugh. 145,913; Nov. 12.
- Heater, Electric space. G. Steingruber. 144,004; Feb. 26.
- Heater, Portable. J. H. Leslie. 114,928; June 4.
- Heater, Portable electric. H. C. Robinette. 144,585; Apr. 30.
- Heater, Portable space. R. R. Hutcheson. 145,025; June 18.
- Heater, Unit. J. B. Koch. 144,721; May 14.

- Heel and counter unit for a shoe or similar article, Combined. E. S. Payne. 145,871; Oct. 22.
- Heel and platform for a shoe or similar article, Combined. J. Koval. 144,460; Apr. 16.
- Heel or similar article, Rubber. S. G. Wager. 143,944; Feb. 19.
- Heel, Rubber. E. Bunting. 145,378; Aug. 13.
- Helicopter. A. Gazda. 144,705-9; May 14.
- Helicopter. A. Gazda. 145,932; Nov. 19.
- Helicopter. F. M. Lewis. 144,400-1; Apr. 9.
- Helicopter. R. H. Prewitt. 144,986; June 11.
- Helicopter. R. A. Wolf. 146,161; Dec. 31.
- Hitch, Tractor. R. Heath. 143,970; Feb. 26.
- Hobby horse. B. Rosenberg. 144,521; Apr. 23.
- Holst. V. L. Darnall. 145,525; Jan. 15.
- Holder and ash tray, Combined chip. H. L. Canova. 144,541; Apr. 30.
- Holder and cigarette lighter, Combined lipstick. A. Monturo. 144,125; Mar. 12.
- Holder, Bottle. E. M. Butterfield. 145,611; Sept. 24.
- Holder, Brush. H. Van Doren. 144,328; Apr. 2.
- Holder, Candle. A. Bach. 144,232; Mar. 26.
- Holder, Cigarette. G. Goldman. 144,854; May 28.
- Holder, Cigarette. M. R. Grandon. 143,725; Feb. 5.
- Holder, Collar. O. V. Andersson. 145,293-4; July 30.
- Holder, Cup and saucer. C. Richards. 144,735; May 14.
- Holder, Electric shaver. A. E. Hutt. 145,084; June 25.
- Holder, Fish pole. G. L. Curtis. 143,952; Feb. 26.
- Holder, Flowerpot. E. P. Hanson. 144,248; Mar. 26.
- Holder for cocktail or soda stirrers, pencils, or the like. M. Rosenblatt. 145,146; July 2.
- Holder for flowers or other slender articles. F. P. Fletcher. 145,867-8; Nov. 5.
- Holder for napkins and condiment sets, Combination. R. E. Dye. 144,105; Mar. 12.
- Holder for paper towels or the like. T. O. Smith. 143,676; Jan. 29.
- Holder for rolled paper products or the like. T. O. Smith. 143,677; Jan. 29.
- Holder for tooth paste tubes and the like, Dispensing. W. J. Buchele. 144,690; May 14.
- Holder, Hand line. C. H. Badgley. 145,503; Sept. 3.
- Holder, Knife. J. L. Hysale. 145,172; Mar. 5.
- Holder, Lipstick. J. D. Buckingham. 145,506; Sept. 3.
- Holder, Magazine and paper. R. Newman. 145,225; July 16.
- Holder, Napkin. R. E. Dye. 144,106; Mar. 12.
- Holder, Necktie. J. J. Meindl. 143,743; Feb. 5.
- Holder, Nursing bottle. C. Tubolo. 143,771; Feb. 5.
- Holder or similar article, Lipstick. M. Graboi. 145,077; June 25.
- Holder or similar article, Pipe. E. J. Rich. 144,138; Mar. 12.
- Holder or similar article, Soap cake. H. H. Gray. 145,729; Oct. 15.
- Holder or the like, Display card. L. P. Woodward. 143,780; Feb. 5.
- Holder or the like, Utility. Pietro and Peter Maniscalco, Jr. 143,436; Jan. 1.
- Holder, Pen and pencil. E. C. Moe. 144,866; May 28.
- Holder, Pencil lead. J. C. Winslow. 144,474; Apr. 16.
- Holder, Pipe. E. E. Sabin. 144,072; Mar. 5.
- Holder, Plate. C. Richards. 144,736; May 14.
- Holder, Rouge. L. H. Pfohl. 144,413; Apr. 9.
- Holder, Score pad. G. Tucker. 145,877; Nov. 5.
- Holder, Spool. L. P. Neats. 146,009; Dec. 3.
- Holder, Toothbrush. S. L. Barna. 144,233; Mar. 26.
- Holder, Toothbrush. D. Bellock. 144,535; Apr. 30.
- Holder, Toothbrush. G. J. Evellch. 145,291; July 30.
- Holder, Toothbrush. A. F. Sulak. 144,997; June 11.
- Holder, Tumbler and brush. H. Van Doren. 144,327; Apr. 2.
- Hone, Scissors. E. Todd. 144,878; May 28.
- Hood, Flight trainer. R. C. Dehmel. 146,076; Dec. 17.
- Hood or similar article, Make-up. M. Schaefer. 144,221; Mar. 19.
- Hook, Double roller. J. Gerity, Jr. 145,933; Nov. 19.
- Hook, Garment. H. A. Marsh. 145,813; Oct. 22.
- Hourglass unit. P. Artzt. 145,375; Aug. 13.
- House, Deck. C. M. Leavitt. 144,059; Mar. 5.
- House for a ship, Deck. C. M. Leavitt. 145,451; Aug. 20.
- Housing for a power lawn mower. J. O. Smith. 144,596; Apr. 30.
- Housing for cathode ray apparatus. T. G. Clement. 143,796; Feb. 12.
- Housing for dispensing apparatus. C. W. Sundberg. 144,812-19; May 21.
- Housing for petroleum dispensing apparatus. R. J. Kirby. 144,250; Mar. 26.
- Housing or similar article, Carpet sweeper. L. H. Snyder and K. D. Yost. 144,222; Mar. 19.
- Housing, Rotary mower. J. G. Doyle. 145,836; Oct. 29.
- Humidor, Cigar counter. R. B. Wemyss. 144,276; Mar. 26.
- Humidor or similar article. G. E. Nettleton, Jr. 143,615; Jan. 22.
- Hydrant. E. M. Deters. 144,160; Mar. 19.
- Hygrometer. B. E. Lawrence. 143,432; Jan. 1.
- Index or similar article, Telephone-address. G. L. Beckstrom. 145,968; Nov. 26.
- Indicator for processing dental plastics, Timing. E. D. Stiles. 145,824; Oct. 22.
- Infusion unit for a coffee maker. R. L. Smith. 143,557-8; Jan. 15.
- Inkwell. N. A. Reinhardt. 144,216; Mar. 19.
- Iron, Electric. R. Opperman. 143,502; Jan. 8.
- Iron or similar article, Electric. L. H. Snyder. 143,884; Feb. 12.
- Iron or similar article, Electric. L. H. Snyder. 145,465; Aug. 20.
- Iron, Pressing. F. A. Miller. 143,984; Feb. 26.
- Ironing machine. C. J. Godfrey. 146,023; Dec. 10.
- Jack, Boot. T. L. Lauret. 143,819; Feb. 12.
- Jacket. S. Etkin. 144,168; Mar. 19.
- Jacket. S. Etkin. 144,845-6; May 28.
- Jacket. S. Etkin. 145,715; Oct. 15.
- Jacket. N. Finkelstein. 145,017; Sept. 3.
- Jacket. Z. Golden. 143,473-5; Jan. 8.
- Jacket. Z. Golden. 144,189-90; Mar. 19.
- Jacket. Z. Golden. 144,551; Apr. 30.
- Jacket. Z. Golden. 145,721-8; Oct. 15.
- Jacket or similar article. M. Sices. 145,336-8; July 30.
- Jacket or similar article. M. Sices. 145,986-8; Nov. 26.
- Jar and bottle cap remover. B. H. Stewart. 145,647; Sept. 24.
- Jar or similar article. C. R. Havens. 145,212; July 16.
- Jar or similar article. Z. Radow. 144,732; May 14.
- Jar or similar article. J. L. Snyder, Jr. 145,758; Oct. 15.
- Jewelry display box or the like. L. A. Carrière. 143,711; Feb. 5.
- Jewelry finding. H. Rubin. 145,751; Oct. 15.
- Jewelry finding. C. Schrayssshuen. 144,523-4; Apr. 23.
- Jewelry finding. C. Schrayssshuen. 145,752-5; Oct. 15.
- Jewelry finding. J. E. Sutherland. 145,236; July 16.
- Jigger and bottle opener, Combination. J. G. de Lemos. 145,245; July 29.
- Key for musical instruments, Valve. M. S. Brockman. 143,708; Feb. 5.
- Key guard for a saxophone, Demountable. E. J. Gillespie. 145,880; Nov. 12.
- Kit, Toilet. N. R. Worley. 144,533; Apr. 23.
- Knife and gripping tool, Combined. I. H. Palmer and R. F. Williamson. 143,670; Jan. 29.
- Knife, Kitchen utility. C. L. Kahler. 144,192; Mar. 19.
- Knife, Pocket. H. J. Smoleroff. 145,234; July 16.
- Knob for stoves and the like, Gas control. D. E. Stewart. 145,188; July 9.
- Knob or similar article, Control. M. Eastham. 143,807; Feb. 12.
- Knob, Tap. C. C. Merritt. 144,408; Apr. 9.
- Knob, Tap. C. C. Merritt. 146,117; Dec. 31.
- Knocker, Door. E. J. Fairbank. 143,914; Feb. 19.
- Knocker, Door. J. Stephens. 145,365; Aug. 6.
- Lace fabric, Knitted. S. Saftlas. 144,633-4; May 7.
- Lace or similar article. O. A. Scheurmann. 143,551-2; Jan. 15.
- Lace or similar article. J. D. Wiener. 144,531; Apr. 23.
- Ladle. R. H. Abel. 145,830; Oct. 29.
- Lamp. W. F. Masterson. 146,116; Dec. 24.
- Lamp. D. J. McGinnis. 146,116; Dec. 24.
- Lamp. H. Rubin. 144,257; Mar. 26.
- Lamp. H. Rubin. 145,588; Sept. 10.
- Lamp and display case, Combined desk. L. W. Terry. 144,745; May 14.
- Lamp base. N. R. Schwartz. 144,940; June 4.
- Lamp, Clearance. W. Trautner. 145,277; July 23.
- Lamp, Electric. J. Lolli. 145,137-8; July 2.
- Lamp, Electric. J. Lolli. 145,583; Sept. 10.
- Lamp for a range. J. D. Coleman. 144,695; May 14.
- Lamp or similar article. H. Asch. 144,828; May 28.
- Lamp or similar article. H. Asch. 146,063; Dec. 10.
- Lamp or similar article. W. H. Miller. 144,626; May 7.
- Lamp or similar article. E. V. Sundt. 144,877; May 28.
- Lamp, Portable desk. A. L. Miller. 143,844; Feb. 12.
- Lamp, Shade with luminous figures. J. Ross. 145,274; July 23.
- Lamp, Side marker. W. Trautner. 145,278; July 23.
- Lampstand and clock, Combined electric. D. W. A. Cameron. 144,539; Apr. 30.
- Lamp, Table. A. I. Alter. 145,557; Sept. 10.
- Lamp, Table. M. S. Karp. 145,026; June 18.
- Lamp, Table. C. O. Larson. 145,946; Nov. 19.
- Lanter. J. P. Borowski. 144,022; Mar. 5.
- Latch, Refrigerator door. M. A. Blackwood. 144,234; Mar. 26.
- Latch, Screen door. F. T. Goughnour. 144,556; Apr. 30.
- Latch unit. W. G. Dieter. 144,488; Apr. 23.
- Latching device. J. Innes. L. Cohen, and L. Spatz. 143,918; Feb. 19.
- Lavatory, Combination portable. W. L. Smith. 144,811; May 21.
- Lawn trimmer, Power driven. L. B. Goodall. 145,438; Aug. 20.
- Leather, Embossed. L. I. Freedman. 145,294; July 30.
- Leather fabric or the like, Plaited-embossed artificial. J. Frischer. 143,723; Feb. 5.
- Leather or similar article. S. Galper. 144,616; May 7.
- Leather or similar article, Embossed. L. I. Freedman. 144,704; May 14.
- Lens, Magnifying. M. Rosenberg. 145,638; Sept. 24.
- Lifter or similar article, Egg. A. J. Zeleski. 144,441; Apr. 23.
- Light and tongue depressor, Combined medical hand. J. A. Korengold. 143,662; Jan. 29.

- Light bowl, Electric. A. J. D. Ohm. 144,131; Mar. 12.
 Light, Bus marker. W. Trautner. 144,527; Apr. 23.
 Light, Corner marker. W. Trautner. 145,279; July 23.
 Light, Night. J. P. Endsley. 145,782; Oct. 22.
 Lighter, Cigar. P. Mesberg. 145,183; July 9.
 Lighter, Cigar and cigarette. J. Galtier. 145,130; July 2.
 Lighter, Cigar and cigarette. B. H. Gostkowski. 143,585; Jan. 22.
 Lighter, Cigar and cigarette. L. H. Kirkell. 145,484; Aug. 27.
 Lighter, Cigar and cigarette. H. J. Small. 144,078; Mar. 5.
 Lighter, Cigarette. R. Feurer. 145,125; July 2.
 Lighter, Cigarette. C. M. Fox. 145,886; Nov. 12.
 Lighter, Cigarette. H. A. Specht. 144,876; May 28.
 Lighter for cigarettes or the like. L. J. Strauss. 145,235; July 16.
 Lighter or similar article, Cigar. F. Kaupmann. 145,217-18; July 16.
 Lighter or similar article, Cigarette. N. M. Robboy. 145,328; July 30.
 Lighter or the like, Cigarette. I. Florman. 143,417; Jan. 1.
 Lighting fixture, Electric. A. E. Wiedenhoft. 145,471; Aug. 20.
 Lighting fixture, Fluorescent. A. W. and L. M. Kirchmer. 145,219; July 16.
 Lighting fixture, Fluorescent. C. Nitardy. 145,323; July 30.
 Lighting fixture, Louvered fluorescent. D. J. Biller and B. A. Kaeppl. 143,641; Jan. 29.
 Link meter, Hooded. R. B. Thomas. 145,413; Aug. 13.
 Link, Cartridge belt. A. W. Roe. 143,089; Dec. 17.
 Link chain for a bracelet or similar article. J. Braunstein. 144,901-4; June 4.
 Link chain for a bracelet or similar article. M. Chernow. 144,906; June 4.
 Link for bracelets and the like. N. D. Wyckoff. 144,655; May 7.
 Lock, Combination keyless and key. E. F. Bouhall. 144,685; May 14.
 Lock, Keyless. E. F. Bouhall. 144,682-4; May 14.
 Lounge, Chair. J. F. Laskowitz. 145,092; June 25.
 Lubrication unit, Portable. W. C. Bauer. 144,538; Apr. 30.
 Lubricator, Mechanical. B. E. Folke and R. H. Shepard. 145,393; Aug. 13.
 Machine for beverages and ice cream, Dispensing. J. A. Chambers. 146,131; Dec. 31.
 Machine, Stapler. H. Ruskin. 143,500; Jan. 8.
 Magazine or similar article, Magnetic record. M. Camras. 145,576; Jan. 8.
 Magnifier, Table. J. R. Miles. 143,744; Feb. 5.
 Mailbox. V. Aleks. 145,608; Sept. 24.
 Mailbox. A. V. Ocone. 144,631; May 7.
 Marking instrument and stand, Combined. S. A. Harris. 146,025; Dec. 10.
 Marking machine, Casing for a. T. B. Messick. 145,095; June 25.
 Mask, Airplane. E. M. Wilson. 144,750; May 14.
 Mask or similar article. A. Frohman. 144,851-2; May 28.
 Mask, Swim. J. Browne. 143,948; Feb. 26.
 Mask, Under-water. H. L. Messenger. 144,624-5; May 7.
 Massager, Scalp. J. K. Kahn. 145,626; Sept. 24.
 Massaging device or similar article. L. H. Snyder and W. L. Wiser. 143,678; Jan. 29.
 Mat, Bathtub. C. E. Wakefield. 146,159; Dec. 31.
 Mat or similar article, Place. K. C. Hamilton. 145,133; July 2.
 Mat or similar article, Table. H. J. Muller. 145,322; July 30.
 Mat, Stove. E. G. Plursch. 143,623; Jan. 22.
 Material for fragile articles, Packing. E. L. Shepard. 145,985; Nov. 26.
 Medal. H. M. Kelper. 143,735; Feb. 5.
 Medal. H. M. Kelper. 145,089; June 25.
 Medallion, Embroidered monogrammed. E. P. Holdsmith. 144,554; Apr. 30.
 Medallion or similar article, Liturgical. O. A. Scheurmann. 143,548-50; Jan. 15.
 Megaphone, Electric. H. C. Dairymple. 144,698; May 14.
 Microscope. O. C. Blomgren. 143,396; Jan. 1.
 Mirror. T. Friedman. 143,653-5; Jan. 29.
 Mirror. W. B. Ligorne. 146,058; Dec. 10.
 Mirror and stand or similar article, Combination hand. D. D. Blake. 145,051; June 25.
 Mirror, and towel bar, Combined wall shelf. E. M. Johnson. 143,595; Jan. 22.
 Mirror, Hand. L. Farber. 145,392; Aug. 13.
 Mirror, Hand. F. J. Troy and P. Silver. 144,084; Mar. 5.
 Mirror or similar article. H. H. Lessler. 145,312; July 30.
 Mirror or similar article, Hand. P. A. Derham. 143,954; Feb. 26.
 Mirror or similar article, Side view. L. F. Sarnes. 145,910; Nov. 12.
 Mirror, Rear view. E. B. Somers. 144,740; May 14.
 Mirror, Rear view automobile. B. Puttman. 145,459; Aug. 20.
 Mitt, Powder. J. S. Fulkerson and G. C. McCoy. 143,817; Feb. 12.
 Mixer, Drink. L. Myers. 143,929; Feb. 19.
 Mixer, Drink. E. S. Prince and J. Broderidge. 144,934; June 4.
 Mixer, Food. J. B. Kessel. 145,940; Nov. 19.
 Mixer, Food. W. E. Maxson, Jr., and F. Rodwick. 143,981; Feb. 26.
 Motorcycle. F. Brogan. 145,772; Oct. 22.
 Motorcycle, Armored. S. T. Alexander. 144,344; Apr. 9.
 Motor for an electrically driven mixer. L. Myers. 143,930; Feb. 19.
 Motor, Jet. H. W. Morgan. 144,574; Apr. 30.
 Motor, Rocket. J. C. Baker. 144,095; Mar. 12.
 Motor, Rocket. H. W. Morgan. 143,546; Feb. 12.
 Mounting, Faucet. R. H. Zinkl and H. Dreyfuss. 143,783; Feb. 5.
 Mounting, Photographic. R. Wolfe. 144,954; June 4.
 Mouthpiece, Musical instrument. J. Thompson. 143,770; Feb. 5.
 Mower, Lawn. F. W. Wells. 144,953; June 4.
 Muffler, H. P. Bye. 143,524; Jan. 15.
 Music sheet. F. G. Thannhauser. 143,942; Feb. 19.
 Napkin or similar article. K. C. Hamilton. 145,132; July 2.
 Necklace. H. Sheer. 144,525; Apr. 23.
 Necklace or similar article. J. Rubel. 143,444; Jan. 1.
 Necklace or similar article. N. Wolf. 144,532; Apr. 23.
 Negligee. V. Giovagnoni. 144,870; June 11.
 Net, Fishing. M. J. Meek and B. C. Hagquist. 145,405; Aug. 13.
 Nightgown or similar article. C. Zinaman. 144,148; Mar. 12.
 Nipple for nursing bottle. R. Wagner. 143,774; Feb. 5.
 Nozzle and brush for a vacuum cleaner or similar article, Combined. K. H. Wittke. 144,229; Mar. 19.
 Nozzle, Rocket motor. J. C. Baker. 143,947; Feb. 26.
 Nozzle, Spray. H. Richards. 145,538; Sept. 3.
 Nutcracker. R. Rohm. 145,955; Nov. 19.
 Occlusion apparatus, Dental. E. O'Donnell. 143,987; Feb. 26.
 Oil island. F. L. Ayres. 145,243; July 23.
 Opener and paperweight, Combination letter. L. F. Johnson. 146,108; Dec. 24.
 Opener, Bottle. F. O. Labiche. 145,635; Sept. 24.
 Opener, Container. H. J. Talse. 144,224; Mar. 19.
 Opener, Letter. J. J. Calichio. 145,656; Oct. 1.
 Opener, letter opener, and nail file, Combination bottle. R. H. Winslow, W. E. Bloom, and H. F. Aldrich. 144,228 Mar. 19.
 Optical unit. R. H. Wager. 145,993; Nov. 26.
 Ornament for cosmetic receptacles and other articles. W. J. 144,415-6; Apr. 23.
 Ornament, Hair. J. C. Roberts. 144,218; Mar. 19.
 Ornament or similar article, Ear. A. Boutemy. 145,196; July 16.
 Ornament or similar article, Lapel. C. Wandt. 144,086; Mar. 5.
 Ornament or similar article, Shoe. R. O. Green. 143,424; Jan. 1.
 Ornament, Two-piece hair. J. C. Roberts. 144,217; Mar. 19.
 Orphrey or similar article. O. A. Scheurmann. 143,553; Jan. 15.
 Overboot or similar article. L. H. L'Hollier. 145,453; Aug. 20.
 Overshoe, Rubber. E. Gottschalk. 145,439; Aug. 20.
 Package, Bottle display. A. Altman. 143,386; Jan. 1.
 Package for curtains, Display. R. S. MacCallum. 146,086; Dec. 17.
 Package in the form of a boat. T. B. Hodge. 144,504; Apr. 23.
 Pad and bridge bid indicator, Combined. S. T. Moreland. 143,925; Feb. 19.
 Palette, Color harmony. E. F. Crane. 144,909-10; June 4.
 Panel, Combined pencil and advertising. J. G. Lipic, Jr. 144,492; Apr. 23.
 Panel of embossed leather. F. O. Merz. 143,839-43; Feb. 12.
 Panel or similar article, Washer control. H. W. Miller. 144,254; Mar. 26.
 Panel or the like, Building siding. M. J. Harris. 144,378; Apr. 9.
 Paper or similar article of stationery, Writing. M. Cohen. 145,068; June 25.
 Paper or the like, Sheet of writing. L. F. Bockmann. 144,888-99; June 4.
 Paper or the like, Wrapping. E. A. Messenger. 144,511; Apr. 23.
 Paper, Wrapping. J. W. Elder. 143,410; Jan. 1.
 Paper, Wrapping. J. W. Elder. 145,019-20; June 18.
 Pastry shell frame or insert. E. H. Abell. 144,093; Mar. 12.
 Peeler, Vegetable. R. P. De Vault. 143,714; Feb. 5.
 Pen, Ball point fountain. L. J. Campbell and M. E. Hirsch. 147,016; Dec. 10.
 Pen barrel or similar article, Fountain. G. L. Beckstrom. 144,534; Apr. 30.
 Pen, Fountain. T. F. Brinson. 145,114-15; July 2.
 Pen, Fountain. D. C. Crain. 144,769; May 21.
 Pen, Fountain. N. D. Fish and L. P. Martin. 144,358; Apr. 9.
 Pen, Fountain. W. Green and P. Schladermundt. 145,870; Nov. 5.

- Pen, Fountain. M. Reynolds. 143,508; Jan. 8.
 Pen, Fountain. M. Reynolds. 145,586-7; Sept. 10.
 Pen or the like, Fountain. T. D. Flanagan. 145,431; Aug. 20.
 Pen, Writing. H. E. Steinberg. 146,012; Dec. 3.
 Pencil. L. R. Christensen. 144,238; Mar. 26.
 Pencil. W. S. Deree and A. L. Coulter. 144,161; Mar. 19.
 Pencil. D. Kahn. 144,621; May 7.
 Pencil and calendar, Combined. L. B. Crain. 145,122; July 2.
 Pencil and eraser, Combined. S. Iwanowicz. 144,459; Apr. 16.
 Pencil ferrule. E. S. Mallard. 145,182; July 9.
 Pencil for telephone dial. O. White. 143,515; Jan. 8.
 Pencil holder and lead dispenser, Combination. J. L. Botkin. 144,350; Apr. 9.
 Pencil, Mechanical. M. Kahn. 145,806; Oct. 22.
 Pencil or similar article. F. G. Meyer. 143,612; Jan. 22.
 Pendant. C. Schrayshuen. 144,809-9; May 21.
 Pendant or the like. F. P. Kinaley. 144,297; Apr. 2.
 Photocopy machine. F. S. Loeter. 143,652; Jan. 29.
 Photographic enlarger. K. N. Swanson. 144,325; Apr. 2.
 Piano. A. Bach. 145,648-9; Oct. 1.
 Piano. C. C. Nields. 143,501; Jan. 8.
 Piano. W. Zaiser. 143,459-60; Jan. 1.
 Piano. W. Zaiser. 143,634-38; Jan. 22.
 Piano. W. Zaiser. 144,090-2; Mar. 5.
 Piano. W. Zaiser. 144,230; Mar. 19.
 Piano. W. Zaiser. 144,338-40; Apr. 9.
 Piano. W. Zaiser. 144,882; May 28.
 Piano. W. Zaiser. 145,994; Nov. 26.
 Piano. W. Zaiser. 146,162-4; Dec. 31.
 Pin. E. D. Bassett. 144,348; Apr. 9.
 Pin. R. Kostler. 145,979; Nov. 26.
 Pin and perfume container, Combined lapel. H. Graeter. 145,394; Aug. 13.
 Pin and perfume container, Combined lapel. H. Graeter. 146,104; Dec. 24.
 Pin. Brooch. H. Strauss and R. Gardel. 143,451-2; Jan. 1.
 Pin, Class. R. W. Bates. 146,096; Dec. 24.
 Pin clip or similar article. A. Philippe. 145,266-7; July 23.
 Pin clip or similar article. A. Philippe. 145,270-1; July 23.
 Pin clip or similar article. A. Philippe. 145,273; July 23.
 Pin, Costume jewelry. J. Caianiello. 143,899; Feb. 19.
 Pin, Costume jewelry. J. Caianiello. 144,480; Apr. 23.
 Pin, Costume jewelry. J. Caianiello. 144,550-1; May 28.
 Pin, Jewelry. M. Horowitz. 144,505; Apr. 23.
 Pin, Jewelry. C. T. Mersereau. 144,253; Mar. 26.
 Pin, Jewelry. G. Stangl. 143,448; Jan. 1.
 Pin or similar article. M. Boucher. 145,055-8; June 25.
 Pin or similar article. W. Crompton and M. J. Laurie. 143,798; Feb. 12.
 Pin or similar article. W. Diehl. 143,956-9; Feb. 26.
 Pin or similar article. W. Diehl. 144,239-43; Mar. 26.
 Pin or similar article. R. H. McNiece and G. Mahoney. 144,977; June 11.
 Pin or similar article. O. Pennino. 143,877-8; Feb. 12.
 Pin or similar article. M. Slater. 145,460-4; Aug. 20.
 Pin or similar article. K. Speck. 143,559-62; Jan. 15.
 Pin or similar article. K. Speck. 143,999-144,002; Feb. 26.
 Pin or similar article. K. Speck. 144,265-8; Mar. 26.
 Pin or similar article. K. Speck. 144,424-8; Apr. 9.
 Pin or similar article. K. Speck. 144,875; May 28.
 Pin or similar article. K. Speck. 145,591; Sept. 10.
 Pin or similar article. S. Vergara. 144,432; Apr. 9.
 Pin or similar article, Brooch. W. W. Hobe. 145,213-14; July 16.
 Pin or similar article, Chatelaine. A. Katz. 144,198; Mar. 19.
 Pin or similar article, Jewelry. A. Casciano. 144,958; June 11.
 Pin or similar article, Jewelry. J. J. Marsella. 145,094; June 25.
 Pin or similar article, Jewelry. J. J. Marsella. 145,319-20; July 30.
 Pin or similar article, Jewelry. F. Morrow. 144,204-8; Mar. 19.
 Pin or similar article, Jewelry. F. Morrow. 144,629; May 7.
 Pin or similar article, Jewelry. F. Morrow. 145,743; Oct. 15.
 Pin or similar article, Jewelry. C. Schrayshuen. 144,258-63; Mar. 26.
 Pin or similar article, Jewelry. C. Schrayshuen. 144,311-24; Apr. 2.
 Pin or similar article, Jewelry finding for a. O. Pennino. 143,988; Feb. 26.
 Pin or similar article, Lapel. L. Palliser. 143,748; Feb. 5.
 Pipe. G. T. Ash. 144,345-6; Apr. 9.
 Pipe for women, Tobacco smoking. W. Arnold. 143,786; Feb. 12.
 Pipe or similar article, Tobacco. F. Snyder. 146,158; Dec. 31.
 Pipe rest. F. H. Fisher. 144,170; Mar. 19.
 Pipe, Smoking. H. A. Bercu. 143,113; July 2.
 Pipe, Smoking. D. Goulston and O. T. Edlund. 143,423; Jan. 1.
 Pipe, Smoking. E. L. Hollenbeck. 143,593; Jan. 22.
 Pitcher. H. T. Homan. 146,026; Dec. 10.
 Plane, Wood. P. J. Zagumny. 145,962; Nov. 19.
 Plaque. A. Paladini. 145,457; Aug. 20.
 Plaque or similar article. J. Russo. 145,860; Oct. 29.
 Plaque or similar article, Display. M. J. Piraino. 144,135; Mar. 12.
 Plaque, Service. M. B. Maxwell. 144,123; Mar. 12.
 Plastic unit for handbags or the like. J. L. Friedman. 144,172; Mar. 19.
 Plate. C. W. Carlson. 145,612-13; Sept. 24.
 Plate, Desk name. A. L. MacRae. 145,178; July 9.
 Plate for a double bath faucet or the like, Cover. E. H. Zinkil. 143,695; Jan. 29.
 Plate for a fluorescent fixture, End. J. H. Steinberg. 145,960; Nov. 19.
 Plate for air conditioners, Face. B. Essick. 146,100; Dec. 24.
 Plate for fluorescent lighting fixtures, End. J. Carulli. 144,758; May 21.
 Plate or article of similar nature, Glass dessert. A. J. Dreitzer. 145,976; Nov. 26.
 Plate or article of similar nature, Snack. A. J. Dreitzer. 144,770; May 21.
 Plate or the like. T. O. Muench. 143,985; Feb. 26.
 Plate or the like, Dinner. H. J. Davis. 144,158; Mar. 19.
 Plate or similar article, Steak. B. H. Adler. 145,500; Sept. 3.
 Play pen, Infant's. E. D. Boisselier. 145,052; June 25.
 Pole tip, Fishing. J. Cariddi. 143,398; Jan. 1.
 Positioner, Work. C. J. Holslag. 143,733; Feb. 5.
 Power take-off and pulley drive unit, Combined. W. F. Benning. 143,394; Jan. 1.
 Power take-off unit. W. F. Benning. 143,395; Jan. 1.
 Press or similar article, Drill. R. H. Andresen. 144,827; May 28.
 Pressing machine, Cabinet. W. F. Gayring. 144,779; May 21.
 Printed fabric. E. S. Kales. 144,383-4; Apr. 9.
 Printing type, Font of. L. J. Wiesner. 144,880; May 28.
 Projecting machine, Motion picture. W. C. De Vry. 144,841; May 28.
 Projector. S. Marcus and E. J. Anton. 143,500; Jan. 8.
 Projector. S. Marcus and E. J. Anton. 145,223; July 16.
 Projector. O. R. Nemeth. 146,151; Dec. 31.
 Projector. J. A. Van den Broek. 145,238; July 16.
 Projector, Combined film and sound. W. W. Ward. 145,498; Aug. 27.
 Projector, Film slide. J. Palma, Jr. 144,727; May 14.
 Projector, Slide. L. J. Rubin. 145,364; Aug. 6.
 Protector and engraving shield, Combined cuff. M. Cohen. 143,464; Jan. 8.
 Puller, Electrode. R. J. Fitzpatrick. 143,415; Jan. 1.
 Puller, Staple. J. A. Yerkes. 144,955; June 4.
 Pump and control unit, Hydraulic. H. W. Rockwell. 143,547; May 15.
 Pump head, Deep well. E. M. Deters. 145,595; Sept. 17.
 Pump, Well. W. J. Conery. 145,997; Dec. 3.
 Punch and sealer, Combination can. H. L. Atkinson. 143,387; Jan. 1.
 Punch, Paper. J. A. Yerkes. 144,601; Apr. 30.
 Pushcart. C. M. Mendelson and J. P. McCarthy. 144,064; Mar. 5.
 Rack and ash tray, Combination magazine. D. H. Schwartz. 144,939; June 4.
 Rack and drawer, Combined tie. R. B. Rubin. 145,822; Oct. 22.
 Rack, Clothes. A. J. Berna. 146,014; Dec. 10.
 Rack, Combined hair brush and comb. P. Ruddick. 146,122; Dec. 31.
 Rack, Combined inkstand and pencil. M. Gren. 143,479; Jan. 8.
 Rack, Egg. S. B. Ernster. 143,719; Feb. 5.
 Rack, Egg boiling. S. Rapport. 143,755; Feb. 5.
 Rack, Folding tie. J. Cooper. 145,069; June 25.
 Rack for packaged commodities, Counter. R. B. Wemyss. 144,331; Apr. 2.
 Rack or trousers and other articles. A. P. Sempers. 144,422; Apr. 9.
 Rack, Merchandise display. W. Wheary. 145,049; June 18.
 Rack, oil saver, and waste can receptacle, Combined display. H. J. Smith. 144,943-4; June 4.
 Rack or similar article, Pen. W. Harwood. 146,138; Dec. 31.
 Rack, Pipe. P. L. Ogden. 145,031; June 18.
 Rack, Shoe. F. P. Case. 143,795; Feb. 12.
 Rack, T. A. and H. E. Bittel. 146,015; Dec. 10.
 Rack, Tie. F. H. Fisher. 145,615; Sept. 24.
 Rack, Tie. L. J. Pauly. 145,874; Nov. 5.
 Rack, Towel. F. J. Whitman. 145,829; Oct. 22.
 Radiator, Electric steam. H. J. Freyman. 146,022; Dec. 10.
 Radio and record player, Combination. J. Martial and R. C. Scull. 144,862; May 28.
 Radio cabinet. W. J. House, Jr. 145,800; Oct. 22.
 Radio control knob. E. J. Fisk. 145,210; July 16.
 Radio loud speaker housing or similar article. A. F. Adams and N. S. Barger. 145,765; Oct. 22.
 Radio receiver. P. Brinkman. 145,508; Sept. 3.

- Radio receiver. J. Martial and R. C. Scull. 144,863-4; May 28.
- Radio receiver. F. D. Schnoor. 146,011; Dec. 3.
- Radio receiver and timer clock case, Combination. F. Collura. 145,996; Dec. 3.
- Radio, Wall supported. W. L. Schrader. 145,231; July 16.
- Rail for truck bodies or the like, Side. G. C. Boepple. 144,900; June 4.
- Railway car body. G. A. Jergenson. 144,057; Mar. 5.
- Raincoat or similar article. E. Bernath. 145,969; Nov. 26.
- Ranger. R. E. Kruck. 145,736; Oct. 15.
- Rattle, Baby. I. Tucker. 145,342; July 30.
- Razor or similar article, Safety. J. Evans. 145,021; June 18.
- Razor, Safety. L. M. Baer. 145,650; Oct. 1.
- Receiver, Ash. J. S. Geremia. 144,780; May 21.
- Receiver, lamp, ash tray, Combined radio. A. P. Brennan. 144,537; Apr. 30.
- Receptacle for cigarettes and other articles. W. J. Reilly. 145,047; June 18.
- Receptacle for cosmetics and other articles. A. F. Reilly. 144,987; June 1.
- Receptacle for cosmetics and other articles. A. F. Reilly. 145,046; June 18.
- Receptacle for cosmetics and other articles. W. J. Reilly. 145,516-19; Apr. 23.
- Receptacle for cosmetics and other articles. W. J. Reilly. 144,935; June 4.
- Receptacle for preparing and serving food, Covered. M. J. Zimmer. 144,856; June 4.
- Receptacle or similar article, Fluid agitating and mixing. G. W. Keny. 143,661; Jan. 29.
- Receptacle, Pipe. F. C. Chambers. 145,562; Sept. 10.
- Receptacle, Washing machine. F. A. Conterman. 144,609; May 7.
- Receptacle, Waste. S. Bloomfield. 145,970; Nov. 26.
- Reel and rod seat. Combined fishing. E. P. Hurd. 145,625; Sept. 24.
- Reel, Fishing. G. J. Sharps. 143,883; Feb. 12.
- Reel for tape cores. H. Preble, Jr. 144,801; Apr. 2.
- Reflector target, Weather observation balloon radar corner. K. E. Shreeve and G. M. Pro. 143,998; Feb. 26.
- Refrigerator. R. Loewy. 145,222; July 16.
- Register or similar article. M. Sanders. 145,702; Oct. 8.
- Rest or similar article, Wheel or tire change. L. E. Bryson. 144,689; May 14.
- Retarder, Descent. P. M. Lewis. 145,527; Sept. 3.
- Ring. O. P. Burch. 143,463; Jan. 8.
- Ring. E. Joseph. 143,596; Jan. 22.
- Ring. I. Krell. 145,001; July 25.
- Ring. I. Lieber. 143,923; Feb. 19.
- Ring, Birth data napkin. O. A. von S. Buckow. 144,155; Mar. 19.
- Ring, Finger. D. Cook. 146,017; Dec. 10.
- Ring, Finger. B. Esh. 145,516; Sept. 3.
- Ring, Finger. B. Esh. 145,572; Sept. 10.
- Ring, Finger. J. G. Platau. 143,722; Feb. 5.
- Ring, Finger. C. Gantwarg. 144,918; June 4.
- Ring, Finger. O. Grun. 143,590; Jan. 22.
- Ring, Finger. C. E. Holmes. 145,299; July 30.
- Ring, Finger. A. Marcus. 144,860-1; May 28.
- Ring, Finger. A. Nallick. 145,029; June 18.
- Ring, or similar article. P. E. Plato. 144,499; Apr. 23.
- Ring or similar article, Finger. A. Nallick. 145,848; Oct. 29.
- Ring or similar article, Scapular. B. F. Carney. 145,921; Nov. 19.
- Robe hook. H. Van Doren. 144,010; Feb. 26.
- Robe hook, Double. H. Van Doren. 144,009; Feb. 26.
- Robe or similar article. G. H. McLaughlin. 145,740; Oct. 15.
- Rocking horse. J. V. Benson and E. F. Felien. 143,640; Jan. 29.
- Rocking horse. O. V. Phillips. 144,513; Apr. 23.
- Rod, Surveyor's. J. W. Maitot. 143,435; Jan. 1.
- Roller, Print. M. C. Miller, Jr., and J. B. Lovick. 144,467; Apr. 16.
- Roofing or similar article, Roll. A. Coburn. 143,400-3; Jan. 1.
- Rotor for a windmill. S. R. Du Brie. 144,166; Mar. 19.
- Rug, Linoleum or similar hard-surfaced. R. V. Garner and A. P. Macchi. 144,969; June 11.
- Rug or similar article of manufacture, Scatter. A. D. Clist. 144,542-3; Apr. 30.
- Rug or similar article of manufacture, Scatter. A. D. Clist. 145,510; Sept. 3.
- Saddlon, Electric. G. W. Florian. 144,847; May 28.
- Safe. J. V. McGunn. 143,969; June 11.
- Sandal. B. Ferrar. 144,454; Apr. 16.
- Sandal. E. S. Payne. 145,818; Oct. 22.
- Sandal or similar article. L. Colwell. 145,883; Nov. 12.
- Sandal or similar article. H. M. Lloyd. 145,901; Nov. 12.
- Saw, Band. W. Lasar. 144,723; May 14.
- Saxophone. E. J. Gillespie. 145,891; Nov. 12.
- Saxophone neck, mouth piece fastening and mouthpiece key, Combined. E. J. Gillespie. 145,892; Nov. 12.
- Scabbard and carving implement set, Combined. E. E. Case. 145,923-4; Nov. 19.
- Scabbard and carving knife or similar article, Combined. E. E. Case. 145,922; Nov. 19.
- Scale. H. Preble, Jr. 146,154; Dec. 31.
- Scale. C. W. Sundberg. 144,273; Mar. 26.
- Scale, Platform. A. C. Haggstrom. 144,191; Mar. 19.
- Scarf. E. Gottschalk. 145,619; Sept. 24.
- Scarf. M. B. Graham. 145,622; Sept. 24.
- Scarf. R. T. Lee. 145,311; July 30.
- Scarf or similar article. H. H. Constant. 144,156; Mar. 19.
- Scarf or similar article. V. Earle. 144,167; Mar. 19.
- Scarf or similar article. J. W. Morrison. 145,098; June 25.
- Scissors. M. D. Aisner. 144,279; Apr. 2.
- Scissors or the like, Electric. J. C. Clark. 144,288; Apr. 2.
- Scoop. E. A. Smith. 144,739; May 14.
- Scoter, Motor. H. A. Shaffer. 144,077; Mar. 5.
- Scoring device for pinch and other games. C. A. De Piro. 143,933; Feb. 26.
- Scrubbing, waxing, and polishing machine. E. J. Newcomer. 145,224; July 16.
- Seat, Child's toilet. K. P. Engman and R. N. Sellon. 144,771; May 21.
- Seat, Child's training toilet. S. Cohen. 143,951; Feb. 26.
- Seat, Swing. M. N. Wagner and J. C. Wagner. 143,632; Jan. 22.
- Seesaw. C. M. King. 144,200; Mar. 19.
- Separator for displaying merchandise. F. A. Hedrick. 143,658; Jan. 29.
- Separator, Meat display. H. H. Hall. 143,728; Feb. 5.
- Server, Cigarette. F. Zimbalist. 145,863; Oct. 29.
- Server, Molite. A. Pinelli. 145,458; Aug. 20.
- Server, Salad. F. A. Moore. 144,310; Apr. 2.
- Service station island or the like. W. H. Adams. 144,669; May 14.
- Settee. B. Sky. 145,541; Sept. 3.
- Settee and telephone cabinet, Combined. F. B. Case. 144,768; May 21.
- Sewing machine housing. N. V. Christensen and N. Leo. 144,768; May 21.
- Shade or similar article, Eye. J. E. Hansen. 144,560; Apr. 30.
- Shaker, Cocktail. H. S. Nash. 143,986; Feb. 26.
- Shaker, Condiment. J. Schilz. 145,228-9; July 16.
- Shaker or article of similar nature, Salt. C. L. Fordyce. 143,594; Jan. 22.
- Shaker or similar article, Combined salt and pepper. F. R. Hale. 145,730; Oct. 15.
- Shaker or similar article, Condiment. K. A. Hodil. 145,523; Sept. 3.
- Shaker or similar article, Salt. E. Smith. 143,764; Feb. 5.
- Sharpeners, Knife. G. M. Jones. 145,803; Oct. 22.
- Sharpeners, Pen. R. B. Fleming. 144,777; May 21.
- Sharpeners, Pencil. G. D. Gullotta. 145,939; Nov. 19.
- Sharpeners, Pencil. J. W. Hauser. 145,477; Aug. 27.
- Sharpeners, Pencil. L. W. Hoffman. 143,532; Jan. 15.
- Sharpeners, Pencil. E. C. Hoffmann. 143,917; Feb. 19.
- Sharpening device. H. J. Tringue. 144,274; Mar. 26.
- Sheet, Decalcomania. E. R. Jones and L. T. Lanier. 146,109; Dec. 24.
- Sheet or the like, Decalcomania. W. E. Mell. 144,464; Apr. 16.
- Shelf unit, Whatnot. P. J. York. 145,555; Sept. 3.
- Shelf, Utility. W. L. Willis. 145,111; June 25.
- Shirt or similar article, Polo. D. Engelman. 145,786; Oct. 22.
- Shoe. J. D. Adams. 143,697; Feb. 5.
- Shoe. T. F. Barlow. 143,391-2; Jan. 1.
- Shoe. J. K. Egan. 145,685; Oct. 8.
- Shoe. P. F. Eberle. 145,390; Nov. 19.
- Shoe. J. Henkel. 145,577; Sept. 10.
- Shoe. J. Hickey. 145,731; Oct. 15.
- Shoe. W. H. Hinson. 146,106; Dec. 24.
- Shoe. S. Huberman. 145,600; Sept. 17.
- Shoe. M. and C. A. Julianelli. 146,110; Dec. 24.
- Shoe. E. S. Payne. 145,816; Oct. 22.
- Shoe. R. Vivier. 143,685-90; Jan. 29.
- Shoe. R. Vivier. 144,329; Apr. 2.
- Shoe. R. Vivier. 144,651; May 7.
- Shoe. R. Vivier. 144,747; May 14.
- Shoe. C. L. Wilcox. 145,110; June 25.
- Shoe. M. Volock. 146,160; Dec. 31.
- Shoe. E. Zintz. 145,193; July 9.
- Shoe, Infant's. M. H. Baudendistel. 143,701; Feb. 5.
- Shoe, Infant's. A. P. Williams. 143,457; Jan. 1.
- Shoelace and fastener, Combined elastic. B. S. Richmond. 144,988; June 11.
- Shoe or similar article. L. Colwell. 144,356; Apr. 9.
- Shoe or similar article. F. J. Diamant. 143,799-800; Feb. 12.
- Shoe or similar article. F. J. Diamant. 143,955; Feb. 26.
- Shoe or similar article. F. J. Diamant. 144,162; Mar. 19.
- Shoe or similar article. M. Eisenberg. 143,800-14; Feb. 12.
- Shoe or similar article. T. R. Ingram. 145,444; Aug. 20.
- Shoe or similar article. H. J. Kroto. 145,670; Oct. 1.
- Shoe or similar article. J. Sandler. 144,140; Mar. 12.
- Shoe or similar article. E. Zintz. 145,586; Sept. 3.
- Shoe or similar article. E. Zintz. 145,684; Oct. 1.
- Shoe ornament. M. M. Cameron. 143,397; Jan. 1.
- Showcase. H. C. Chase. 145,833-5; Oct. 29.

- Shrine. A. S. Powell. 145,983; Nov. 26.
 Sign. E. A. Dwiggins. 143,901-3; Feb. 19.
 Sign, Advertising. S. S. Bair. 144,886; June 4.
 Sign, Theater. R. L. Byrd. 145,117; July 2.
 Signal light, Brake. H. A. Eklind and O. J. Blomberg. 143,648; Jan. 29.
 Signal, Turning. C. E. Edwards. 146,099; Dec. 24.
 Signaling device, Push-button. M. Hallward. 144,306; Apr. 2.
 Sink. C. B. Benedict. 143,897; Feb. 19.
 Sink. H. Dreyfuss. 143,408; Jan. 1.
 Sink and cabinet, Combined. J. Stanitz. 143,679; Jan. 29.
 Sink and cooking stove, Combination. C. C. White. 143,633; Jan. 22.
 Sinker. O. E. Voight. 144,012; Feb. 26.
 Skate, Convertible ice and roller. S. W. Blumm. 144,605; May 7.
 Skate, Roller. A. J. Miller. 143,983; Feb. 26.
 Slicing machine. P. H. Meyer. 143,406; Aug. 13.
 Slipper. G. Cohn. 145,926; Nov. 19.
 Slipper. M. Greenberg. 145,937; Nov. 19.
 Slipper. H. Sobel. 144,080; Mar. 5.
 Slipper. S. F. Thompson. 146,123; Dec. 31.
 Slipper or similar article. G. Cohn. 145,882; Nov. 12.
 Slipper or similar article. T. R. Ingram. 145,445; Aug. 20.
 Slipper or similar article. K. Keyes. 145,482-3; Aug. 27.
 Slipper or similar article. P. D. Ney. 144,255; Mar. 26.
 Slipper or similar article, Wooden. K. Y. Kono. 145,090; June 25.
 Slipper, Shower. D. Schapiro. 143,938; Feb. 19.
 Snap fastener, Clasp-on. H. G. Johnston. 146,030; Dec. 10.
 Sock and slipper, Combined removable. B. Katz. 144,199; Mar. 19.
 Socket and connector for Christmas tree lamps or the like, Combined. H. S. Birby. 143,792; Feb. 12.
 Socket for a hose or similar article. Handle. C. E. Smith. 143,763; Feb. 5.
 Sole, Shoe. N. E. Boyay. 145,153; July 9.
 Sole, Shoe. V. M. Knisely. 145,943-4; Nov. 19.
 Spark plug. G. D. Suter. 143,680; Jan. 29.
 Spooner, Fish bait. R. E. Shubert. 143,762; Feb. 5.
 Spit Barbecue, Rotatable. L. C. Hufford and L. R. Gray. 145,601; Sept. 17.
 Splicer, Base for a film. J. Briskin. 144,688; May 14.
 Splicer, Film. J. Briskin. 144,687; May 14.
 Spoon. F. K. Storm. 143,450; Jan. 1.
 Spoon, Anniversary. A. Stokby. 145,339; July 30.
 Spoon or analogous article. A. J. Flauder. 143,416; Jan. 1.
 Spoon or analogous article. A. J. Flauder. 143,418; Jan. 1.
 Spoon or fork, Combined. S. Lapin. 143,431; Jan. 1.
 Spoon or other article of flatware. E. J. Conroy. 145,120; July 2.
 Spoon or other article of flatware. E. J. Conroy. 145,137; July 9.
 Spoon or other article of flatware. S. C. Friedman. 144,373; Apr. 9.
 Spoon or other article of flatware. A. G. Kintz. 145,580; Sept. 10.
 Spoon or other article of flatware. H. R. Lott. 144,462-3; Apr. 16.
 Spoon or other article of flatware. H. A. Melinowski. 145,179-81; July 9.
 Spoon or similar article. A. Adler. 144,753; May 21.
 Spoon or similar article. G. N. Allen and M. P. Fleming. 145,150; July 9.
 Spoon or similar article. G. N. Allen and M. P. Fleming. 146,125; Dec. 31.
 Spoon or similar article. N. Bowen. 144,154; Mar. 19.
 Spoon or similar article. F. W. Koonz. 144,390; Apr. 9.
 Spoon or similar article. G. E. Sekowski. 144,593; Apr. 30.
 Spoon or similar article. G. E. Sekowski. 144,941; June 4.
 Spoon or similar article of flatware. B. Finley. 144,109; Mar. 19.
 Spoon or the like. E. S. Tupper. 144,599; Apr. 30.
 Spoon, Prescription. J. Orenstein. 144,212; Mar. 19.
 Spout, Wall type swing. G. Hinderer. 144,249; Mar. 26.
 Spray attachment, Faucet. S. Isenberg. 145,086; June 25.
 Spray attachment, Faucet. H. P. Klein. 143,737-8; Feb. 5.
 Spray head. J. Stanitz. 143,765; Feb. 5.
 Sprinkler. M. S. Dunkelberger. 143,408; Jan. 1.
 Sprinkler, Lawn. A. De Mott. 144,102; Mar. 12.
 Sprinkler, Lawn. J. B. Lerch. 145,221; July 16.
 Stamp, Hand. R. K. Duke. 145,514; Sept. 3.
 Stand. E. D. Kissling. 145,735; Oct. 15.
 Stand and appliance support for dressing hair. H. M. McCalla. 146,059; Dec. 10.
 Stand and container for articles of jewelry and the like, Display. M. Weis. 144,821; May 21.
 Stand and horizontal thermometer, Combined calendar. M. E. Trollden. 145,512; Jan. 8.
 Stand and merchandise container unit, Combined display. H. Steinberg. 144,741; May 14.
 Stand, Ash. W. C. Panzer. 143,671; Jan. 29.
 Stand, Book. G. Powers. 145,103; June 25.
 Stand, Cross. R. H. Ischinger. 144,295; Apr. 2.
 Stand, Display. A. S. Weston. 144,749; May 14.
 Stand for a hand telephone. J. Barofsky. 144,674; May 14.
 Stand, for combs and the like, Display. V. J. Dunn. 145,289-90; July 30.
 Stand, Fabric testing device. H. W. Wilkinson, Jr. 145,763; Oct. 15.
 Stand, Jewelry. H. L. Obblein. 144,411; Apr. 9.
 Stand, Lamp. J. E. Thodos. 145,340; July 30.
 Stand or similar article, Display. B. Matuzoff. 145,951; Nov. 19.
 Stand or similar article, Display. B. Matuzoff. 146,087; Dec. 17.
 Stand or the like, Lamp. E. D. Kissling. 145,899; Nov. 12.
 Stand, Pen desk. B. W. Hanle. 145,804; Oct. 22.
 Stand, Reservoir desk. J. O. Reinecke. 145,820; Oct. 22.
 Stand, Serving. J. D. Renard. 146,088; Dec. 17.
 Stand, Smoker's. W. C. Panzer. 143,876; Feb. 12.
 Stand, Smoking. O. Mankli. 143,742; Feb. 5.
 Stand, Telephone desk. G. Deakin. 145,780; Oct. 22.
 Stand unit, Sectional display. N. S. Irwin. 143,659; Jan. 29.
 Standard, Drill press. R. McF. Jones. 145,087; June 25.
 Statuette. F. J. Frechette, Sr. and F. J. Frechette, Jr. 145,841; Oct. 29.
 Statuette or similar article. T. Bergman. 146,126; Dec. 31.
 Statuette or similar article. E. Burtis. 145,154; July 9.
 Stay, Collar. P. S. Premas. 143,754; Feb. 5.
 Steering post, Bicycle. E. F. Pawstat. 146,119; Dec. 31.
 Stereoscope. S. I. Rochwitz. 144,737; May 14.
 Sterilizer, Ultraviolet. G. E. Glatthar and J. Terr. 146,103; Dec. 24.
 Stimulating instrument, Dental. W. J. Charters. 144,607; May 7.
 Stool. L. Guild. 145,938; Nov. 19.
 Stopper and extractor, Combination bottle. J. C. Simpson. 145,184; July 9.
 Stopper, Bottle. F. C. Morgenroth. 145,028; June 18.
 Store front. C. A. Patterson. 143,749; Feb. 5.
 Stove, Cooking. C. C. H. Rasmussen. 144,070; Mar. 5.
 Stove, Cooking. A. E. Smallwood and L. Guild. 145,147; July 2.
 Stove, Electric. R. Heer. 145,695; Oct. 8.
 Stove grid. H. H. Miller. 145,489; Aug. 27.
 Strap, Wrist watch. N. J. Holmsky. 143,821; Feb. 12.
 Strip, Ridge shingle. A. Cohn. 143,401; Jan. 1.
 Stroller. N. B. Spencer. 145,468; Aug. 20.
 Suit. S. Cohen. 144,035-6; Mar. 5.
 Suit. S. Cohen. 144,832-8; May 28.
 Suit. S. Cohen. 145,907-8; June 4.
 Suit. S. Cohen. 145,925; Nov. 19.
 Suit. M. Frascino. 145,432; Aug. 20.
 Suit. J. Freedman. 144,048-50; Mar. 5.
 Suit. J. Freedman. 144,848-50; May 28.
 Suit. J. Freedman. 144,917; June 4.
 Suit. J. Freedman. 145,433-5; Aug. 20.
 Suit. H. Redman. 145,536; Sept. 3.
 Suit, Bathing. R. M. Reid. 144,515; Apr. 23.
 Suit, Bathing. M. Sheldrick. 144,264; Mar. 26.
 Suit, Combined swim and play. M. F. Laszlo. 144,396; Apr. 9.
 Suit, Lady's. S. Kuznetz. 144,298-9; Apr. 2.
 Suit, Lady's. S. Kuznetz. 144,393; Apr. 9.
 Suit, Lady's. S. Kuznetz. 144,973-4; June 11.
 Suit, Lady's. J. Lipman. 145,454; Aug. 20.
 Suit, Lady's. M. Millard. 145,531; Sept. 3.
 Suit or the like, Swimming. M. F. Laszlo. 145,174; July 9.
 Sundial. C. A. Florio. 145,931; Nov. 19.
 Sundial, Portable. L. Goodman. 144,377; Apr. 9.
 Sunglasses. J. Di Cicco. 145,288; July 30.
 Support, Arch. G. N. Bouthillet. 144,648; Jan. 29.
 Support, Camera. N. J. Creedon. 144,840; May 28.
 Support, Camera. C. S. McClellan. 144,406; Apr. 9.
 Support, Car seat end. J. V. Conway. 144,610-11; May 7.
 Support, Car seat end. P. Schladermundt. 144,635; May 7.
 Support, Child's bassinets. E. H. Kautzman. 145,448; Aug. 20.
 Support for hand-held lecture papers or similar article, Illuminating. J. De Jen. 145,244; July 23.
 Support for playing cards. C. B. Woofler. 144,435; Apr. 9.
 Support, Reel. M. M. Clink. 145,509; Sept. 3.
 Support, Telescope. W. Levin. 145,313; July 30.
 Supporter, Athletic. M. B. Biston. 144,648; Apr. 2.
 Suspenders. P. Ginsberg. 144,549; Apr. 30.
 Sweater. D. Engleman. 145,714; Oct. 15.
 Sweater. P. Freund, Jr. 145,787; Oct. 22.
 Sweater. R. Horowitz. 144,056; Mar. 5.
 Sweater. A. Naidish. 145,409; Aug. 13.
 Sweater. B. A. Wiemann. 145,368-73; Aug. 6.
 Sweater. B. A. Wiemann. 146,095; Dec. 17.
 Sweater or similar article. D. Engleman. 145,712-13; Oct. 15.
 Sweater or similar article. A. Naidish. 146,150; Dec. 31.

- Switch, Transcriber floor. R. L. Stone. 144,640; May 7.
- Table. M. Danziger. 144,699; May 14.
- Table. F. Grossi. 145,131; July 2.
- Table. J. B. Hollis. 144,565; Apr. 30.
- Table. M. S. Karp. 143,590; Jan. 22.
- Table. E. D. Kissling. 145,941; Nov. 19.
- Table. C. M. Kolacy. 146,008; Dec. 3.
- Table. K. O. Larson. 145,947; Nov. 19.
- Table. G. C. Rhodes. 144,872; May 28.
- Table. B. Sky. 145,530-40; Sept. 3.
- Table. B. Sky. 145,542; Sept. 3.
- Table. E. J. Spence. 144,993-5; June 11.
- Table and cabinet, Combination. G. R. Schufes. 144,590; Apr. 30.
- Table and cabinet, Combination end. G. R. Schufes. 144,873; May 28.
- Table and chair, Child's combined. E. H. Lamm. 143,494; Jan. 8.
- Table and chair, Combined. C. S. Davis. 145,779; Oct. 22.
- Table base, Drafting. R. M. Bennet. 145,651; Oct. 1.
- Tablecloth, Lace. H. Hooven. 144,583-9; May 21.
- Tablecloth, Lace. H. Hooven. 145,578; Sept. 10.
- Tablecloth, Lace. F. P. Otto. 144,798; May 21.
- Tablecloth, Lace. F. P. Otto. 145,584; Sept. 10.
- Tablecloth, Lace. W. Rogers. 144,799; May 21.
- Tablecloth, Lace. W. Wolf. 144,825-6; May 21.
- Tablecloth or similar article. A. V. Corso. 145,354; Aug. 6.
- Tablecloth or similar article. A. V. Corso. 145,428; Aug. 20.
- Tablecloth or similar article. S. R. Feld. 144,453; Apr. 16.
- Tablecloth or similar article. V. Helsley. 143,483-4; Jan. 8.
- Tablecloth or similar article. V. Helsley. 145,478-80; Aug. 27.
- Tablecloth or similar article. N. F. Mamoulou. 145,488; Aug. 27.
- Tablecloth or similar article. M. C. McGee. 145,404; Aug. 13.
- Tablecloth or similar article. L. G. Rohner. 144,469; Apr. 16.
- Tablecloth or similar article. L. G. Rohner. 144,520; Apr. 23.
- Tablecloth or similar article. L. G. Rohner. 144,800; May 21.
- Tablecloth or similar article. L. G. Rohner. 144,803; May 21.
- Tablecloth or similar article. L. G. Rohner. 145,363; Aug. 6.
- Tablecloth or similar article. L. G. Rohner. 145,677; Oct. 1.
- Tablecloth or the like. E. de Marron. 143,667; Jan. 29.
- Table, Drafting. L. La Pidas. 145,808; Oct. 22.
- Table, Dressing. M. H. McKenzie. 144,859; May 28.
- Table, Extension serving. H. S. Baker. 145,966; Nov. 26.
- Table, Folding serving. H. S. Baker. 145,965; Nov. 26.
- Table, Occasional. M. S. Karp. 143,428; Jan. 1.
- Table or similar article. C. W. and A. O. Hart. 145,519-20; Sept. 3.
- Table or similar article. Coffee. M. S. Karp. 143,598; Jan. 22.
- Table, Overbed. J. S. Clachko. 145,777; Oct. 22.
- Table, Plastic utility. E. D. Kissling. 145,220; July 16.
- Table unit, Nested. P. White. 143,454; Jan. 1.
- Table, Utility. E. D. Kissling. 145,942; Nov. 19.
- Tablet, Mouth preventive. D. Deskey. 144,159; Mar. 19.
- Tape sealer or the like. W. C. Marsh. 144,795; May 21.
- Tea kettle, coffee maker, and double boiler or article of a similar nature, Combination. W. B. Moore. 144,409; Apr. 9.
- Teapot. E. L. Holmes. 144,923; June 4.
- Teapot. E. L. Holmes. 146,139; Dec. 31.
- Telephone instrument, Substation. H. F. Obergfell. 144,130; Mar. 12.
- Telephone jack. C. Lombolt. 143,496; Jan. 8.
- Telephone stand unit. R. G. Bell. 143,789; Feb. 12.
- Template, Symbol. R. W. Anderson. 144,094; Mar. 12.
- Tenderer, Meat. F. E. Graham. 145,024; Dec. 10.
- Testing machine, Spring. J. D. Burke. 145,000; June 25.
- Textile fabric. M. Christen. 144,237; Mar. 26.
- Textile fabric. H. W. Wilde. 144,822-4; May 21.
- Textile fabric, Embroidered. F. J. Keil. 145,871; Nov. 5.
- Textile fabric, Embroidered. A. Walter. 144,434; Apr. 9.
- Textile fabric or similar article. J. Koret. 145,485; Aug. 27.
- Textile fabric or similar article. S. Meyer. 146,149; Dec. 31.
- Thimble. J. L. Lebens. 144,397; Apr. 9.
- Thumb piece for a drawer latch or similar article. H. C. Stahl. 144,157; Mar. 19.
- Timepiece face. S. Banick. 145,610; Sept. 24.
- Tire. J. A. Christie. 145,155; July 9.
- Tire. W. P. MacKusick and J. N. Wyant. 144,122; Mar. 12.
- Tire, Aircraft. C. A. Bigelow. 145,348; Aug. 6.
- Tire, Pneumatic. G. W. Anderson. 145,766-7; Oct. 22.
- Toaster and cooker, Combination. O. E. Stelzer. 145,108; June 25.
- Toaster and cooker or similar article, Combination electric. D. Platin. 144,870; May 28.
- Toaster and hot plate, Combined. T. D. Nierenberg and G. Daelemans. 145,410; Aug. 13.
- Toaster, Electric. B. A. Lorenz. 143,741; Feb. 5.
- Tongs or similar article, Ice. H. Levin. 144,309; Apr. 2.
- Tool and staple puller, Combined fence. F. J. Stiefvater. 143,789; Feb. 5.
- Tool, Combination fence. W. H. Brotherton. 143,709; Feb. 5.
- Tool, Fence. J. Thompson. 145,341; July 30.
- Tool for gardening, Hand. J. J. Getzey. 143,724; Feb. 5.
- Tool for gardening, Hand. J. J. Getzey. 144,376; Apr. 9.
- Tool head, Garden. R. G. Head. 145,082; June 25.
- Tool, Household combination. D. T. Burch. 143,710; Feb. 5.
- Tool, Multipurpose. E. F. Graham. 144,920; June 4.
- Tool or similar article, Kitchen. J. H. Chandler and A. J. Eggleston. 145,685-6; Oct. 8.
- Tool or similar article, Kitchen. A. J. Eggleston. 145,689; Oct. 8.
- Tool unit, Electric. F. Collura. 144,608; May 7.
- Tool, Work-illuminating. R. S. Rains. 145,361; Aug. 6.
- Toothbrush. M. E. Dolnick. 144,163; Mar. 19.
- Toothbrush, Antifurc container and brush sheath, Combined. A. E. Vandevanter. 144,275; Mar. 26.
- Toothbrush, Foldable. S. Katz. 144,385; Apr. 9.
- Toothpick assembly, Detachable. G. E. Millard. 145,603; Sept. 17.
- Top for water coolers. E. A. Steele. 145,759; Oct. 15.
- Torpedo, Director. R. M. Freeman. 144,108; Mar. 12.
- Towel or similar article. L. Carpath. 145,379-89; Aug. 13.
- Towel or similar article. I. H. Hall. 145,297; July 30.
- Towel or similar article. I. H. Hall. 145,575; Sept. 10.
- Towel or similar article. A. Lange. 145,307; July 30.
- Towel or similar article. A. Lange. 145,396-403; Aug. 13.
- Towel or similar article. A. Lange. 145,581-2; Sept. 10.
- Toy. A. Rassnick. 144,582; Apr. 30.
- Toy. H. C. Roberts. 145,954; Nov. 19.
- Toy airplane. J. J. Miller. 145,407; Aug. 13.
- Toy airplane. J. J. Miller. 145,455; Aug. 20.
- Toy airplane engine. B. H. Stewart. 143,449; Jan. 1.
- Toy animal. C. Steiner. 145,760; Oct. 15.
- Toy animal figure or similar article. M. L. Quinby. 145,854; Oct. 29.
- Toy animal figure or the like. W. Lantz. 143,664; Jan. 29.
- Toy animal, Stuffed. M. Shrier. 144,942; June 4.
- Toy animal, Stuffed puppet. M. Shrier. 145,756; Oct. 15.
- Toy automobile. G. E. Elliott. 144,043; Mar. 5.
- Toy block. C. W. Shuman. 143,939; Feb. 19.
- Toy boat. T. B. Dodge. 144,503; Apr. 23.
- Toy boat. S. Orkin. 145,532; Sept. 3.
- Toy boat or similar article. L. J. Nowak, Jr. 145,873; Nov. 5.
- Toy cannon. F. J. Curran. 144,911; June 4.
- Toy cannon. W. E. Kannigesser. 143,597; Jan. 22.
- Toy cat or the like. A. Pelzmann. 144,980; June 11.
- Toy, Dancing. J. H. Fannin. 144,044; Mar. 5.
- Toy dog or similar article. E. R. Hauser. 145,081; June 25.
- Toy, Educational. I. Gold. 144,919; June 4.
- Toy, Educational. G. Lerner. 143,434; Jan. 1.
- Toy ferry boat. G. L. Crawford. 144,959; June 11.
- Toy ferry boat. G. N. Overath. 145,142; July 2.
- Toy, Figure. P. G. Catanzarite. 145,066; June 25.
- Toy, Figure. R. C. Plynt. 145,126-9; July 2.
- Toy figure. H. M. Kass. 145,627; Sept. 24.
- Toy, Figure. J. S. Looney. 146,007; Dec. 3.
- Toy figure. A. G. Promer. 144,410; Apr. 9.
- Toy figure. W. B. Thomas. 144,005; Feb. 26.
- Toy figure. J. H. Wright. 145,894; Sept. 10.
- Toy figure block. F. W. Plummer. 144,982-5; June 11.
- Toy figure or similar article. C. R. White. 145,344; July 30.
- Toy figure, or similar article, Infant's. R. B. Grosvenor. 145,395; Aug. 13.
- Toy figure, or similar article, Infant's teething. R. B. Grosvenor. 145,894-6; Nov. 12.
- Toy frog. P. Boyajian. 144,096; Mar. 12.
- Toy guitar. G. F. Kearney. 145,579; Sept. 10.
- Toy gun. S. I. Berger. 145,665; Oct. 1.
- Toy gun. W. C. Hooper. 145,805; Oct. 22.
- Toy, Hammer. E. D. Geissler. 145,295; July 30.
- Toy helicopter. E. W. Baggett. 146,065; Dec. 17.
- Toy helicopter. P. M. Lewis. 143,495; Jan. 8.
- Toy helicopter. E. Nudelman. 143,616; Jan. 22.
- Toy, Helicopter pull. B. H. Shapiro, I. Thomas, and J. Hohl. 143,628; Jan. 22.
- Toy horse or similar article. K. Perper. 144,134; Mar. 12.
- Toy microphone set. J. L. Metzger. 144,929; June 4.
- Toy mouse or the like. A. Pelzmann. 144,981; June 11.
- Toy, Net. E. D. Geissler. 145,296; July 30.
- Toy or similar article, Beanbag. E. D. Stafford. 143,445-7; Jan. 1.
- Toy or similar article, Clock. C. C. Cohen. 145,390; Aug. 13.
- Toy or similar article, Pull. J. F. Griffith. 145,844; Oct. 29.

- Toy, Pendulum. J. Bunnell. 144,098; Mar. 12.
 Toy, Pistol. E. D. Geissler. 145,437; Aug. 20.
 Toy, Pounding. S. L. Beder. 145,504; Sept. 3.
 Toy, Pull. J. A. Healey. 145,694; Oct. 8.
 Toy, Pull. C. Martin. 143,540; Jan. 15.
 Toy, Push. D. M. Andrus. 145,502; Sept. 3.
 Toy, Rocking horse. B. R. Mandelbaum. 145,093; June 25.
 Toy, Roly-poly. H. G. Arnold. 145,050; June 25.
 Toy shovel. D. G. Samuels, Jr. 144,588; Apr. 30.
 Toy table or similar article. I. Rosenbloom. 145,858; Oct. 29.
 Toy telephone. F. M. Hoover and A. Homer. 144,566; Apr. 30.
 Toy telephone, Candy containing. T. H. Stough. 144,272; Mar. 26.
 Toy, Trundle. E. E. Hansen. 146,136; Dec. 31.
 Toy vehicle. C. Dodge. 145,513; Sept. 3.
 Toy vehicle. R. F. Kuntz. 145,737; Oct. 15.
 Toy vehicle. R. W. Larkin. 145,945; Nov. 19.
 Toy vehicle. I. E. Lipton and L. C. Lochmoeller. 144,976; June 11.
 Toy, Wheeled. E. J. Reiff. 144,468; Apr. 16.
 Toy, Wheeled. E. L. Willenain and W. W. Morris. 144,932; Apr. 22.
 Toy, Wheeled ladder. R. Appel. 144,150; Mar. 19.
 Toy, Whirligig. J. A. Brewer. 145,285; July 30.
 Toy xylophone. A. F. Korman. 146,055; Dec. 10.
 Toy xylophone. D. E. Robinson. 143,442; Jan. 1.
 Traffic line marking stud. A. E. B. Crawford. 144,037; Mar. 6.
 Train, Overhead monorail. C. B. Clark. 145,658; Oct. 1.
 Trainer or similar article, Child's. J. P. Budrakey. 143,574; Jan. 22.
 Trap, Ant. E. C. Hocker. 144,379; Apr. 9.
 Tray. A. Bach. 144,477; Apr. 23.
 Tray. H. S. Scholl. 145,589; Sept. 10.
 Tray. V. I. Zelov. 145,764; Oct. 15.
 Tray and holder, Combined cigarette. G. Dubey. 145,123; July 2.
 Tray, Ash. F. D. Hansley. 143,485; Jan. 8.
 Tray, Ash. W. F. Meyers. 143,613; Jan. 22.
 Tray, Cooking utensil supporting. M. J. Zimmer. 145,192; July 9.
 Tray, Dese. D. Cunningham. 143,467; Jan. 8.
 Tray, Letter. S. Cohen. 144,450; Apr. 16.
 Tray or article of similar nature, Glass ash. C. L. Fordyce. 144,046; Mar. 5.
 Tray or similar article, Ash. A. Bach. 144,754; May 21.
 Tray or similar article, Ash. S. K. Frank. 145,573; Sept. 10.
 Tray or similar article, Ash. M. M. Newman. 146,152; Dec. 31.
 Tray or the like, Ash. F. H. Fisher. 144,776; May 21.
 Tray, Portable bar. N. Bel Geddes. 145,718; Oct. 15.
 Tray, Waiter's. J. Le Graft. 146,134; Dec. 31.
 Trays, mirrors, or the like, Decorative device for. N. Moss. 144,797; May 21.
 Tree, Shoe. L. I. Lesavoy. 143,922; Feb. 19.
 Tricycle. W. H. Culler. 145,660; Oct. 1.
 Tricycle. C. Hair. 145,592; Jan. 22.
 Tricycle. A. Hecht. 145,135; July 2.
 Tricycle. L. R. W. Sly. 143,940; Feb. 19.
 Trimmer, Shrubbery. R. J. Virze. 144,433; Apr. 9.
 Trimming, Embroidered. J. Goldfrank. 144,552-3; Apr. 30.
 Trimming, Embroidered. F. Kaufman. 143,534-5; Jan. 15.
 Trimming, Embroidered. H. Kaufman. 143,536; Jan. 15.
 Trimming for receptacles for cosmetics and other articles. W. J. Reilly. 144,734; May 14.
 Trimming or similar article, Embroidered. H. Tobler. 144,641-50; May 7.
 Trimming or similar article, Embroidered. H. Tobler. 145,496-7; Aug. 27.
 Trimming or similar article, Embroidered. H. Tobler. 145,861-2; Oct. 29.
 Trowel. O. Hoffman. 145,524; Sept. 3.
 Truck. J. J. Powers. 143,990-3; Feb. 26.
 Truck, Golf stick. A. H. Jessen. 143,971; Feb. 26.
 Truck, Hand. A. H. Beideman. Jr. 145,505; Sept. 3.
 Truck, Hand. A. S. Johann. 145,447; Aug. 20.
 Truck, Utility. G. H. Lowerre. 145,139; July 2.
 Tube, Twisted plastic. K. Schick. 146,010; Dec. 3.
 Tube, Vacuum. W. W. Eitel and J. A. McCullough. 143,904-12; Feb. 19.
 Tumbler or article of similar nature, Glass. A. H. Nicholson. 144,300; Apr. 2.
 Turnstile, Twin. H. E. Levene. 143,740; Feb. 5.
 Typewriter. G. H. Kress. 145,450; Aug. 20.
 Typewriting machine. H. Dreyfuss. 144,164-5; Mar. 19.
 Uniform. A. M. Berger. 146,878; Aug. 13.
 Unit, Display fixture. P. V. Martino. 145,950; Nov. 19.
 Unit for electrical wiring systems, Feed section. J. F. O'Brien. 144,930; June 4.
 Unit for handbags or the like, Plastic. A. C. Manovill. 145,359; Aug. 6.
 Unit for oil cooking stoves, Top. H. H. Niemann. 145,440; Jan. 15.
 Utensil closure, Cooking. M. J. Zimmer. 143,692; Jan. 29.
 Utensils or similar articles, Handle for kitchen. J. H. Chandler. 143,644-5; Jan. 29.
 Valve or similar article, Blow. J. E. Becker. 144,153; Mar. 10.
 Vanity and writing desk with clothes hamper seat, Combination. G. R. Schutes. 144,591; Apr. 30.
 Vase, Hanging flower. F. Muller-Munk. 145,100; June 25.
 Vase, Hanging flower. F. J. Stollsteimer. 145,366; Aug. 6.
 Vehicle, Automotive delivery. W. S. Tandler and F. A. de Weiss. 145,592; Sept. 10.
 Vehicle, Child's. W. B. Fagool. 144,703; May 14.
 Vehicle, Child's. M. Leeb. 144,975; June 11.
 Vehicle, Child's. J. N. and S. M. O'Connor. 145,324; July 30.
 Vehicle, Child's wheeled. E. C. Huebner. 145,624; July 30.
 Vehicle, Juvenile. B. T. Johnson. 146,029; Dec. 10.
 Vehicle, Motor. J. V. O'Neill. 145,141; July 2.
 Vehicle, Motor driven. G. F. Doyle. 145,072; June 25.
 Vehicle or similar article, Folding house. N. E. Graven. 145,441; Aug. 20.
 Vending machine. W. Baermann. 145,964; Nov. 26.
 Vending machine. A. R. Constantine and M. H. Boldt. 145,710; Oct. 15.
 Vending machine. C. L. Otto. 143,747; Feb. 5.
 Vending machine. O. V. Wells. 145,605; Sept. 17.
 Ventilator. O. Mankki and F. J. Schultheis. 143,607; Jan. 22.
 Ventilator for airplanes, Adjustable. C. F. Gladen. 146,133; Dec. 31.
 Viewer, Picture. C. E. Kidner. 144,718; May 14.
 Viewer, Picture. C. S. McClellan. 144,407; Apr. 9.
 Violin or similar article. L. G. Klages. 146,143; Dec. 31.
 Vise. D. Ross. 144,597; Apr. 30.
 Vise. J. B. Thomson. 145,641; Sept. 24.
 Wagon and scooter, Combined coaster. S. Patner. 146,061; Dec. 10.
 Wallpaper. M. M. C. Coutts. 143,797; Feb. 12.
 Wallet. C. Panzer. 145,849-53; Oct. 29.
 Wallet and card cases, Combined. G. Markus. 143,980; Feb. 26.
 Wallet or similar article. P. Bank. 143,788; Feb. 12.
 Wash fountain. C. B. Stevens. 145,989; Nov. 26.
 Washing machine. G. W. Walker. 144,998; June 11.
 Washing machine and wringer or similar article, Combined. C. W. Sundberg. 145,543; Sept. 3.
 Washing machine and wringer or similar article, Combined. C. W. Sundberg. 145,639; Sept. 24.
 Washing machine and wringer or similar article, Combined. J. H. Walter. 145,642; Sept. 24.
 Watch and holder strap therefor, Combined wrist. C. Arpels. 145,831; Oct. 29.
 Watchcase. M. Ostier. 145,673-5; Oct. 1.
 Watchcase. J. Shemanski. 145,823; Oct. 22.
 Watch, Ring. B. Hurd. 144,716; May 14.
 Watch, Wrist. M. Ostier. 145,490; Aug. 27.
 Weight, Fish-line. W. J. Harris. 143,531; Jan. 15.
 Weight or similar article, Paper. R. M. Blackhall and M. Kaufman. 146,129; Dec. 31.
 Wheel, Airplane tail. T. F. Young. 144,751; May 14.
 Wheel cover and hub cap or similar article, Combined automobile. G. A. Lyon. 144,725; May 14.
 Wheel trim or similar article. G. A. Lyon. 143,498; Jan. 8.
 Wicket, Croquet. G. T. Meyer. 143,542-4; Jan. 15.
 Winch. O. L. Berby. 144,676; May 14.
 Wind indicating apparatus or similar article. L. E. Wood. 145,345; July 30.
 Workbench, Laboratory. J. Bjorksten. 145,654; Oct. 1.
 Workbench, Laboratory. J. Bjorksten. 145,784-5; Oct. 22.
 Working machine, Single spindle automatic metal. A. E. Driesner. 143,716; Feb. 5.
 Wrap, Blanket. E. R. Higley. 144,715; May 14.
 Wrench. A. C. Brintnall. 143,898; Feb. 19.
 Wrench. A. F. Lewis. 145,949; Nov. 19.
 Wrench. F. A. Snell. 143,941; Feb. 19.
 Wrench. A. Westman. 143,777; Feb. 5.
 Wrench, Jar top. G. Yates. 145,683; Oct. 1.
 Wrench, Pliers. W. A. Laird. 143,921; Feb. 19.
 Writing paper, Sheet of. S. Little. 145,528; Sept. 3.
 Writing or Desk. P. White. 145,828; Oct. 22.
 X-ray machine, Foot. M. B. Adrian. 145,864; Nov. 5.

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Air compressor. Thomas M. Pierce, Jr. No. 2,288,596; date of patent July 7, 1942; disclaimer filed Dec. 27, 1945; v. 583; p. 214.

Application of mud-laden fluids to oil or gas wells. Phillip B. Harth. No. 1,991,637; date of patent Feb. 19, 1935; disclaimer filed Nov. 26, 1946; v. 593; p. 437.

Arc-extinguishing means. George F. McMahon. No. 2,328,825; date of patent Sept. 7, 1943; disclaimer filed Sept. 19, 1946; v. 591; p. 507.

Bubble tray. Hans C. Glitsch. No. 2,341,091; date of patent Feb. 8, 1944; disclaimer filed July 25, 1946; v. 590; p. 196.

Bulldozer. George S. Allin. Re. No. 21,447; date of patent May 7, 1940; disclaimer filed Jan. 24, 1946; v. 584; p. 1.

Capsules, Method for making. Edward C. Merrill James W. Reddie and John A. Aron. No. 2,275,154; date of patent Mar. 3, 1942; disclaimer filed Aug. 19, 1946; v. 590; p. 364.

Car construction. Roland J. Olander. No. 2,252,897; date of patent Aug. 19, 1941; disclaimer filed Mar. 20, 1946; v. 585; p. 407.

Cartridge clip. John D. Pedersen. No. 1,732,949; date of patent Oct. 22, 1929; disclaimer filed Oct. 4, 1946; v. 591; p. 655.

Counting process. Earle C. Pitman. Re. No. 22,301; date of patent Apr. 13, 1943; disclaimer filed May 13, 1946; v. 587; p. 503.

Circuit breaker. Elmer H. Taylor. No. 2,370,206; date of patent Feb. 27, 1945; disclaimer filed Sept. 12, 1946; v. 591; p. 327.

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Combustion chamber in cylinder heads of internal combustion engines. Jean A. H. Barkeij. (Two cases). Nos. 2,145,577 and 2,131,746; date of patents Jan. 31, 1939, and Feb. 27, 1940; disclaimer filed Nov. 12, 1946; v. 593; p. 141.

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Control apparatus. Anthony E. Schveendner. No. 2,383,219; date of patent Aug. 21, 1945; disclaimer filed Nov. 20, 1946; v. 593; p. 438.

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Drawer construction. Frederick C. Shelters. No. 2,255,950; date of patent Sept. 16, 1941; disclaimer filed July 3, 1946; v. 589; p. 491.

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Fastening device. Ouzlella Jules Poupitch. No. 2,324,260; date of patent July 13, 1943; disclaimer filed Oct. 25, 1946; v. 593; p. 1.

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High-twist artificial yarn production. Edwin A. Robinson and Arthur De Castro. No. 2,403,304; date of patent July 2, 1946; disclaimer filed Aug. 13, 1946; v. 590; p. 196.

Hydraulic gear shift mechanism. Victor W. Klierath and Roy S. Sanford. No. 2,212,442; date of patent August 20, 1940; disclaimer filed July 3, 1946; v. 588; p. 678.

Hydrocarbon copolymer composition. Peter J. Wizevich, now by judicial change of name Peter J. Gaylor. No. 2,213,423; date of patent Sept. 3, 1940; disclaimer filed Jan. 29, 1946; v. 583; p. 542.

Ignition unit. Myrie O. Marsh. No. 2,392,171; date of patent Jan. 1, 1946; disclaimer filed Jan. 18, 1946; v. 583; p. 542.

Impregnation of textile fabrics. Albert Edward Battye, John Thompson Marsh, Joseph Tankard, William Harling Watson, and Frederick Charles Wood. No. 2,088,227; date of patent July 27, 1937; disclaimer filed Nov. 25, 1946; v. 593; p. 438.

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Insecticide. Leon C. Heckert. No. 1,808,893; date of patent June 9, 1931; disclaimer filed Oct. 26, 1946; v. 592; p. 13.

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Loom picker check. Gustaf E. Utter. No. 2,354,340; date of patent July 25, 1944; disclaimer filed Dec. 19, 1945; v. 583; p. 542.

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Metalworking apparatus. Raynal W. Andrews, Jr., and Arthur T. Dely. No. 2,331,953; date of patent Oct. 19, 1943; disclaimer filed Feb. 14, 1946; v. 584; p. 311.

Mixture control. Stanley M. Udale. No. 2,367,542; date of patent Jan. 16, 1945; disclaimer filed Mar. 5, 1946; v. 585; p. 173.

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100-Line all relay system. Norman H. Saunders. No. 2,325,151; date of patent July 27, 1943; disclaimer filed Apr. 15, 1946; v. 586; p. 505.

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Permeability tuning system. Chandler Wentworth. No. 2,322,722; date of patent June 22, 1943; disclaimer filed Dec. 13, 1945; v. 582; p. 621.

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Piston. Harry F. Wood. No. 2,341,336; date of patent Feb. 15, 1944; disclaimer filed Sept. 12, 1946; v. 591; p. 147.

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Poly iodized derivatives of the hydroxy diphenyl carboxylic acids and a process for preparing the same. Max Dohrn. No. 2,345,384; date of patent Mar. 28, 1944; disclaimer filed Feb. 15, 1946; v. 584; p. 485.

Presselector. Theodore Obszarny. No. 2,351,451; date of patent June 13, 1944; disclaimer filed Dec. 19, 1945; v. 583; p. 211.

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Printing plate and holding means therefor. William R. Allen and Emmett C. Hartley. No. 1,967,221; date of patent July 24, 1934; disclaimer filed Aug. 17, 1946; v. 590; p. 147.

Push-button tuner for radio receivers. Hubert R. Shaw. No. 2,354,148; date of patent July 18, 1944; disclaimer filed Dec. 13, 1945; v. 582; p. 621.

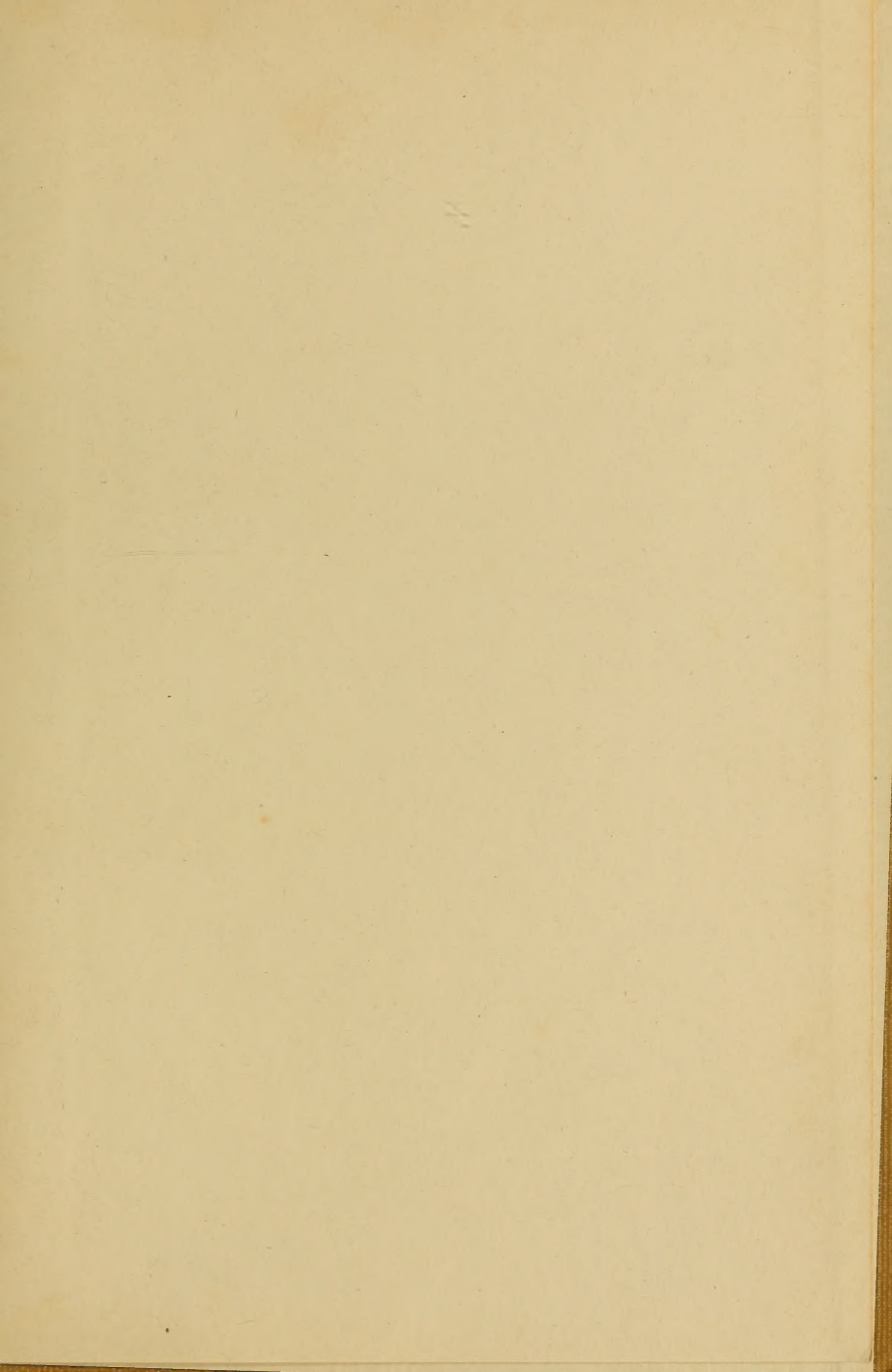
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- Refrigerating apparatus. Richard S. Gaugler. No. 2,350,347; date of patent June 6, 1944; disclaimer filed May 9, 1946; v. 587; p. 177.
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- Resuscitator-aspirator-insufflator. Clarence N. Erickson. No. 2,269,904; date of patent Jan. 13, 1942; disclaimer filed Mar. 1, 1946; v. 585; p. 1.
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- Shoes, Manufacture of. Richard Almy. No. 2,277,941; date of patent Mar. 31, 1942; disclaimer filed Aug. 26, 1946; v. 591; p. 1.
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- Vitamin intermediates and their preparation. Elmer J. Lawson, Hervey C. Parke, and Leon A. Sweet. No. 2,358,337; date of patent Sept. 19, 1944; disclaimer filed Oct. 16, 1946; v. 592; p. 413.
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